

UPSC Daily Current Affairs| One Liners 28-11-2025

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Polity & Governance

Telecommunication Cyber Security (TCS) Rules, 2025

- **Amended by** - Department of Telecommunications (DoT), Ministry of Communications.
- **Aim** - To safeguard India's digital ecosystem against telecom-enabled frauds, strengthen device traceability, and ensure responsible use of telecom identifiers.
- **Key new frameworks**
 - Mobile Number Validation (MNV) platform.
 - Resale Device Scrubbing.
 - Telecom Identifier User Entity (TIUE) Obligations.
- **Significance** - It marks a decisive step toward a resilient, interoperable, and future-ready telecom cyber security framework that balances innovation, privacy, and national security.

3rd edition of District Collectors' Peyjal Samvad

- **Conducted by** - Department of Drinking Water and Sanitation.
- **Theme** - *"From Grassroot to Forefront"*.
- **Focused on** - Real-time service delivery performance, infrastructure functionality, source sustainability, water quality concerns, and last-mile governance, with district presentations providing data-backed insights rather than procedural updates.
- **4 Phase Commissioning Framework** -
 - **Pre-Commissioning Documentation** - As-built drawings, defect assessment, design compliance.
 - **System Testing** - Pressure testing, water quality verification, disinfection, flow and capacity testing.
 - **Trial Operations** - 7-14 days of continuous evaluation under real conditions.
 - **Final Documentation** - Commissioning reports, manuals, certifications, and digital integration into platforms such as *Jal Jeevan Mission Water Quality Management Information System (JJM-WQMIS)* and *PM Gati Shakti*.
- **Aim** - To deepen district-level engagement and strengthen the quality and sustainability of drinking water services.

International Relations and Issues

International IDEA

India to Chair International IDEA - 2026.

- International IDEA is an intergovernmental organization (IGO) with a mandate to support sustainable democracy worldwide.
- **Headquarters in** - Stockholm, Sweden.
- **Member countries** - 35
- **Aim** - To work with local communities, democracy practitioners and partner organizations all over the world.

3rd CEPA Joint Committee Meeting

- **Held in** - New Delhi.
- **Convened between** - India and UAE.
- **Growth rate** - It crossed USD 100.06 billion in FY 2024-25, reflecting a robust increase of 19.6%.
- It reaffirms the UAE's position as one of India's key trading partners.
- **Comprehensive review on** - Market access issues, data sharing, allocation of Gold TRQ, anti-dumping matters, services, Rules of Origin, BIS licensing etc.
- **Aim** - To strengthen trade facilitation, regulatory collaboration, data sharing and convening of Services Subcommittee meeting.

Economy

2nd Non-intrusive Usage of Data to Guide and Enable (NUDGE) Initiative

- **Launched by** - Central Board of Direct Taxes (CBDT).
- **Intimation campaign** - SMSs and emails will be issued from 28th November 2025 to such taxpayers, advising them to review and revise their returns on or before 31st December 2025 to avoid penal consequences.
- **Objectives** - To facilitate correct reporting in Schedule Foreign Assets (FA) and Foreign Source Income (FSI) in ITRs.
- Accurate and complete disclosure of foreign assets and income is a statutory requirement under the *Income-tax Act, 1961, and the Black Money (Undisclosed Foreign Income and Assets) and Imposition of Tax Act, 2015*.
- **Significance** - It aligns with the vision of Viksit Bharat, fostering accountability, transparency and a culture of voluntary compliance.

Textiles Focused Research, Assessment, Monitoring, Planning and Start-up (Tex-RAMPS) Scheme

- **Launched by** - Ministry of Textiles.
- **Aim** - To strengthen research, innovation and competitiveness in textiles sector.
- **Key Components of Tex-RAMPS**
 - Research & Innovation.
 - Data, Analytics & Diagnostics.
 - Integrated Textiles Statistical System (ITSS).
 - Capacity Development & Knowledge Ecosystem.
 - Start-up & Innovation Support.
- **Expected Outcomes**
 - Enhance India's competitiveness in global markets.
 - Strengthen research and innovation ecosystems.
 - Improve data-driven policymaking.
 - Generate employment opportunities.
 - Foster deeper collaboration between States, industry, academia, and government institutions.

Security

3rd Defence Ministers' Dialogue

- **Held between** - India and Indonesia, in New Delhi.
- **Aim** - To reiterate the importance of a free, open, peaceful & prosperous Indo-Pacific, guided by international law & respect for sovereignty.
- **Key Outcomes** -
 - Strategic Outlook on Indo-Pacific Peace and Security.
 - Defence Cooperation and Industry Collaboration.
 - Military-to-Military Engagements.
 - Maritime Security and Multilateral Cooperation.
 - Defence Technology, Submarine Capability, and Medical Cooperation.
 - Support for International Peace and Humanitarian Efforts.

Annual Police Conference

- **Held in** - Raipur, Chhattisgarh.
- **Organised by** - Intelligence Bureau (IB).
- **Theme** - 'Viksit Bharat: Security Dimensions'.
- **Deliberations on key security issues** - Such as left-wing extremism, counter terrorism, disaster management, women's safety, and the use of forensic science and artificial intelligence in policing.
- **Aim** - To review the progress achieved in addressing key policing challenges so far and to outline a forward-looking roadmap for building a '*Surakshit Bharat*', *a safe India*.
- **Significance** - It aligns with the national vision of '*Viksit Bharat*', *or developed India*.

Science

Geranium Waste into Biochar

Geranium leaf waste (both from pre and post oil extraction), which is a mostly discarded byproduct, can be upcycled into a value-added material.

- **Research by** - University of Hyderabad.
- **Designed to** - Transform Geranium plant material into biochar, a carbon-rich product that improves soil and stores carbon.
- Biochar contained about *65% carbon and useful minerals*, giving it strong soil-boosting qualities.
- **Advantages** -
 - The process is *low-cost and energy-efficient*, making it attractive for farmers.
 - Abundant Geranium waste could reduce environmental impact and cut production costs.
 - It promotes a *circular bioeconomy* while improving crop yields across many regions in India.

Biochar

• Biochar is an organic material produced through the pyrolysis of biomass, a process that involves heating organic matter in the absence of oxygen.

• **key steps of production-**

- Feedstock Selection
- Pyrolysis
- Cooling and Collection
- Application

• **Pyrolysis** - It occurs at temperatures ranging from 300 to 700 degrees Celsius (572 to 1292 degrees Fahrenheit), which transforms the biomass into a charred substance that retains its structure and nutrients.

• **Historical Context**

- It uses dates back thousands of years, with its most notable historical application found in the Amazon Basin.
- Indigenous tribes created "terra preta," or "black earth," by adding charcoal to the soil, which significantly improved its fertility.



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