

UPSC Daily Current Affairs| One Liners 04-11-2025

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Government Policies and Interventions

Research, Development and Innovation (RDI) Fund

PM unveiled a Rs.1 trillion RDI fund.

- **Nodal ministry** - Department of Science and Technology.
- **Fund will operate through 2 tiers:**
 - **Level I** - Special-purpose fund under Anusandhan National Research Foundation will be principal custodian.
 - **Level II** - Capital to be deployed via professional managers such as Alternate investment funds (AIFs), development finance institutions (DFIs), non-banking financial companies (NBFCs), and focused research organisations (FROs) such as the Technology Development Board (TDB), Biotechnology Industry Research Assistance Council (BIRAC), and IIT Research Parks.
- **Financing modes** - Long-tenure, low or zero-interest loans, equity infusions for startups, and allocations to the deeptech FoFs
 - No grants or short-term lending
- **Focus areas** - Energy security and transition, quantum computing, robotics, space technology, biotechnology, and AI.
- To know more, click [here](#).

International Relations and Issues

5th India-Bahrain High Joint Commission Meeting

- **Held in** - New Delhi.
- **Key highlights**
 - To enhance future collaboration in the areas of defence and security.
 - India is among the top 5 trading partners of the Kingdom of Bahrain and “noted the progress” made on the commencement of negotiations on a Comprehensive Economic Partnership Agreement (CEPA) between 2 countries.
 - To develop a common understanding to commence Double Taxation Avoidance Agreement (DTAA) negotiations, to eliminate double taxation, provide tax certainty and promote trade and investment.
 - Informal consultation - A dialogue on enhancing partnership between India and the League of Arab States (LAS).
 - It focused on implementing the Executive Programme of the India-Arab Cooperation Forum (IACF) covering areas such as energy, education, media and culture.

Agriculture

National FPO Samagam 2025

- **Organized by** - Ministry of Agriculture and Farmers’ Welfare.
- **Celebration of** - The remarkable achievements under the Formation and Promotion of 10,000 Farmer Producer Organizations (FPOs) Scheme.
- **Aim** - To further strengthen farmer collectives through collaboration, technology, and value addition.
- **Significance** - It underscores the spirit of “One India - One Agriculture”, which shows FPOs from diverse regions are uniting to build a resilient and market-driven agri-economy.

Polity & Governance

FSSAI Ban on ORS Branding

The Delhi High Court upholds the FSSAI's order barring companies from using the label 'ORS', citing serious health risks for consumers.

- **Context** - Food Safety and Standards Authority of India's (FSSAI) decision to ban the use of the word 'ORS' (Oral Rehydration Solution) in the naming of any fruit-based, non-carbonated, or ready-to-drink beverages.
- **Banned due to** - *"Serious public health considerations"* and were regulatory in nature, applicable across the food industry.
- **Malpractice of brands** - By using 'ORS' on food labels as part of a trademark was *"misleading to customers by way of false, deceptive, ambiguous, and erroneous name/label declarations"*.

Security

Trishul

- It is a *Tri-Services Exercise (TSE-2025)* with the Indian Navy leading the large-scale joint drills alongside the Indian Army and Indian Air Force across the creek and desert sectors of *Rajasthan and Gujarat, extending into the northern Arabian Sea.*
- **Coordinated by** - The Headquarters Western Naval Command.
- **Participants from** - Army Southern Command, Western Naval Command, and South Western Air Command, supported by the Indian Coast Guard, Border Security Force, and other central agencies.
- **Aim** - To validate joint operational procedures, enhance interoperability, and strengthen network integration among the Services.
- To underscore the collective resolve of the Indian Armed Forces to operate in a fully integrated, multi-domain environment, and national security preparedness.
- **Extensive maritime operations** - It includes amphibious landings using *INS Jalashwa and Landing Craft Utility vessels*, alongside carrier operations and air-sea coordinated missions with the IAF.
- **Key focus on** - Joint Intelligence, Surveillance and Reconnaissance (ISR), Electronic Warfare (EW), and Cyber Warfare operations.
- **Significance** - It emphasize the use of indigenous systems, reflecting the principles of *Aatmanirbhar Bharat.*

Science

4th Annual General Meeting (AGM)

- **Convened by** - Mobile and Electronic Devices Export Promotion Council (MEDEPC).
- **Key focus on** -
 - India's export performance reflects a remarkable growth.
 - Overall electronics exports increased by 41.9%, (April-September 2025, compared to same period last year).
 - *Smartphone export increased by 58% export growth* (USD 13.38 billion from USD 8.47 billion in 2024).
 - In FY 2024-25, India recorded USD 38.6 billion in electronics exports, *a 32.6% year-on-year increase.*
 - India now ranks as the *3rd-largest smartphone exporter globally.*
- **Significance** - It is firmly establishing its expanding role in global value chains.

MEDEPC

- **Established under** - Ministry of Commerce & Industry.
- **Working closely with** - Directorate General of Foreign Trade (DGFT) and Department of Commerce.
- **Objectives** - To serves as the apex body promoting exports of mobile phones, components, and electronic devices from India.
 - To facilitates exporter support, policy advocacy, and global representation of India's electronics industry.
- **Significance** - India's deepening participation in global value chains (GVCs) underscores its transformation into a resilient and trusted manufacturing hub, offering stability and scale amid global supply chain realignments.

Auditory Fusion vs Fusion threshold vs Masking

Auditory Fusion	Fusion threshold	Masking
when 2 sounds arrive so close together in time that the ear and brain treat them as a single event.	The smallest time gap between 2 sounds that still lets you hear them separately is called the fusion threshold.	Masking is when one sound hides another because it's stronger or very close in time or frequency.

- **Advantages** - Engineers use these facts in audio compression, to process speech, and to build concert halls by spacing out or merging sounds to improve clarity and intelligibility.

Difference between M2M SIM & Normal SIM Card

Government Finalizes Framework for Transfer of M2M Subscriber Identity Module (SIM) Ownership.

Feature	M2M SIM	Regular SIM Card
1.Intended Use	Machine-to-machine, IoT, industrial automation	Phones, tablets, human communication
2.Durability	High endurance, industrial-grade	Standard consumer use
3.Connectivity	Multi-network, global coverage	Single network, limited roaming
4.Data Transmission	Frequent, small packets	Larger, less frequent packets
5.Security	Advanced, IoT-focused	Basic, consumer-focused
6.Remote Management	Extensive OTA diagnostics and control	Limited or none
7.Reliability	Designed for 24/7 uptime	Prone to interruptions, especially roaming
8.Contract Flexibility	Scalable, pooled and flexible plans	Fixed, individual plans

Places in News

Achanakmar Tiger Reserve

The tiger population in this Reserve has witnessed a remarkable increase, rising from 5 in 2022 to 18 in 2025, largely due to the arrival of the tigress Jhumri from Bandhavgarh (MP).

- **Located in** - Bilaspur, Chhattisgarh.
- **Established in** - 1975, as a wildlife sanctuary and became a tiger reserve in 2009.
- **Part of** - Achanakmar-Amarkantak Biosphere Reserve.
- **Corridor linkage** - Kanha and Bandhavgarh Tiger Reserves, which enables tiger movement and maintaining genetic diversity.
- **Tribal Communities** - *Baigas (PVTG), Gond, and Yadav communities.*
- **River & Water Resources** - *Maniyari River* is a life line of the reserve and merges with Seonath River of the Mahanadi Basin.
- **Vegetation & Flora** - Dominated by *tropical moist deciduous forests*, which includes Sal, Saja, Tinsa, Bija, Haldu, Teak, Dhawara, Lendia, Khamar, and Bamboo.
- **Fauna** - Wildlife includes tiger, leopard, wild dog, hyena, bison, chinkara, sambar, chital, flying squirrel etc.