UPSC Daily Current Affairs| One Liners 26-11-2026

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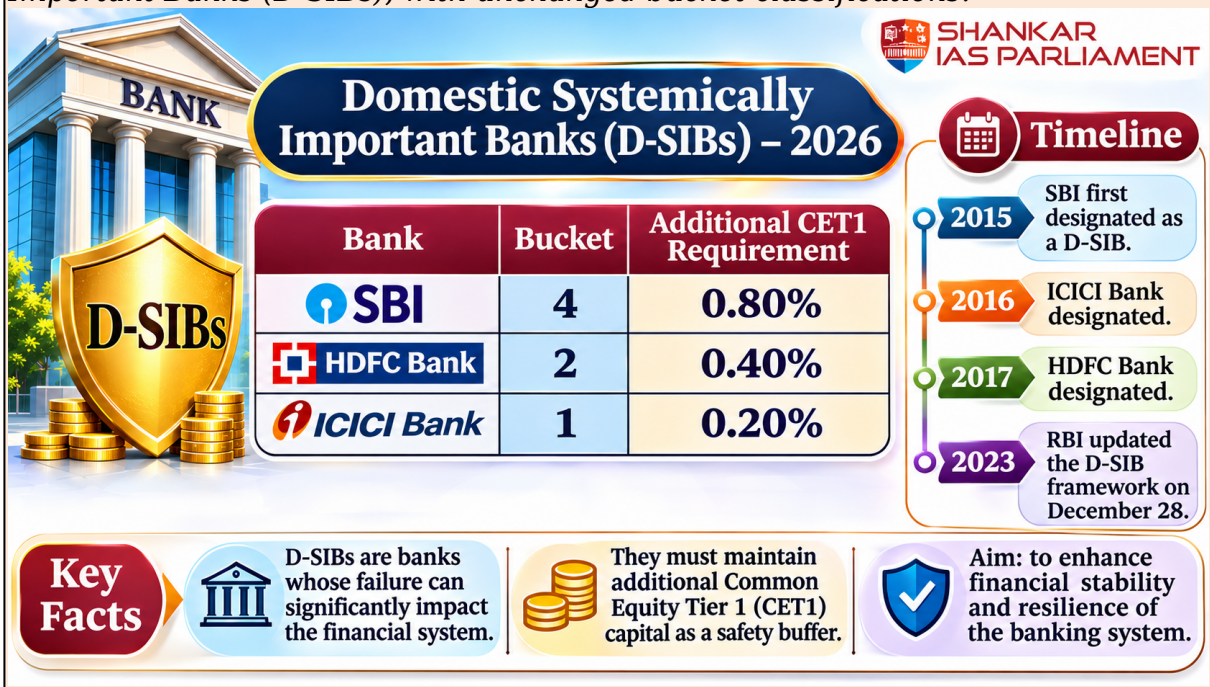
Economy

Domestic Systemically Important Banks (D-SIBs) - 2026

RBI retained SBI, HDFC Bank and ICICI Bank in its 2026 list of Domestic Systemically Important Banks (D-SIBs), with unchanged bucket classifications.



• Requirements are calculated as a percentage of **Risk-Weighted Assets (RWAs)**.
• These requirements are over and above the Capital Conservation Buffer (CCB).
• Classification is based on data as of **March 31, 2026**.

D-SIBs

• D-SIBs are banks whose failure could disrupt the domestic financial system and economy due to their size, interconnectedness, complexity and lack of substitutability.
• RBI introduced the **Framework for Dealing with D-SIBs on July 22, 2014**.
• Banks are classified into buckets based on their **Systemic Importance Scores (SISs)**.
• Higher buckets attract higher additional capital requirements.
• RBI publicly discloses the list annually.

Polity & Governance

Thirupparankundram Deepathoon Row – Supreme Court Review Petition

Tamil Nadu HR&CE Department filed a review petition against the Supreme Court's November 20, 2026, interim order permitting one-time Karthigai Deepam lighting at the Deepathoon (stone pillar) on Thirupparankundram hill, Madurai.

• **Supreme Court Order –** Allowed restricted lamp-lighting on November 24, 2026, clarifying that it would not create a precedent or recognise any vested right.

• **Grounds for Review**

- Claimed an *error apparent on the face of the record*.
- Argued that the traditional lighting location is Deepa Mandapam near Uchi Pillaiyar Temple.
- Alleged violation of the **Tamil Nadu HR&CE Act, 1959**, concerning established temple customs and usages.

• **Review Jurisdiction**

- **Article 137 –** It empowers the Supreme Court to review its judgments/orders.
- Not an appeal in disguise; requires an apparent error or other recognised review ground.
- Generally heard by the same Bench, usually through circulation in chambers.

Space

HE 1153−0518 – Rare Stellar Fossil

*Indian Institute of Astrophysics (IIA), Bengaluru, and Dakshin Kamrup College, Assam, discovered a rare ancient stellar fossil, **HE 1153−0518**, providing clues about the Universe's earliest generations of stars.*

• **Nature –** Identified as a rare subclass of **Carbon-Enhanced Metal-Poor (CEMP-no) stars**.

• **Methodology –** High-resolution spectroscopy using the **Subaru Telescope (Hawaii)**, along with astrometric and photometric data.

• **Institution –** IIA functions under the Department of Science and Technology (DST).

• **Key Characteristics**

- Contains only about **1/1,000th of the Sun's iron abundance**.
- Rich in carbon and sodium but deficient in heavy elements produced through neutron-capture nucleosynthesis.
- Low carbon isotope ratio ($^{12}C/^{13}C$), indicating significant internal mixing.
- Excess infrared emission suggests possible circumstellar dust.

• **Significance –** It acts as a *stellar fossil*, preserving chemical signatures of the earliest stars and helping understand nucleosynthesis and Galactic chemical evolution.

Welopōʻai – Unusual Triple-Star System

*Astronomers from the Trottier Institute for Research on Exoplanets, Université de Montréal, discovered an unusual triple-star system named **Welopōʻai**, located approximately **28 light-years from Earth**.*



• **Composition –** One dim red dwarf and two white dwarfs.
• **Name Meaning –** Welopōʻai refers to a *path of family traits* in Hawaiian.
• **Discovery –** Second white dwarf identified during observations initially aimed at finding exoplanets around the red dwarf.
• **Origin –** The system is believed to have originally contained two Sun-like stars and one red dwarf; the two Sun-like stars evolved into white dwarfs.
• **White Dwarf –** Dense, compact stellar remnant formed when a low- or intermediate-mass star exhausts its nuclear fuel and sheds its outer layers.
• Typically has a size comparable to Earth but a mass comparable to the Sun.
• **Red Dwarf –** Small, cool, low-mass star that consumes hydrogen slowly and therefore has an extremely long lifespan.
• **Significance –** It provides insights into stellar evolution, white dwarf formation and the survival of complex multiple-star systems.

Most Distant Quasar Discovered – Dún Aonghasa

*Astronomers discovered the most distant quasar, **J1504+6252 (Dún Aonghasa)**, with a redshift of **8.13**, making it the first confirmed quasar with redshift above 8.*



• **Discovery –** Identified through the European Space Agency's Euclid Wide Survey.
• **Confirmation –** Observations by Keck Observatory, Hubble Space Telescope, Large Binocular Telescope and James Webb Space Telescope (JWST).
• **Location in cosmic history –** Existed approximately **630 million years after the Big Bang**.
• **Black hole mass –** Several 100 million times the mass of the Sun.
• It existed around **40 million years earlier** than the previous record-holding quasar.

Quasars

• Extremely luminous galactic cores powered by **supermassive black holes**.
• Their brightness results from the heating of gas and dust as matter spirals towards the black hole through **accretion**.
• They are among the most luminous persistent sources in the universe.

Security

Bagheera AT1 – Vehicle-Mounted Anti-Tank Guided Missile (ATGM)

*Adani Defence & Aerospace demonstrated the **Bagheera AT1** at Pokhran Field Firing Ranges, Rajasthan, under a **No Cost No Commitment (NCNC)** evaluation.*



• **Developer –** Adani Defence & Aerospace; developed and integrated over 18 months for Indian operational requirements.
• **Platform –** Missile, automated launcher, day/night sights mounted on a 4×4 high-mobility armoured vehicle.
• **Key Features**
  - **Range –** Up to 8 km against armoured targets.
  - **Guidance –** Laser beam-riding guidance; high resistance to electronic jamming.
  - **Tandem firing –** Two missiles fired sequentially along a single beam to counter Active Protection Systems (APS).
  - **Capacity –** 4 ready-to-fire missiles + 8 reloads (12 total).
  - **Targeting –** Day-vision and thermal-imaging sights with automated target tracking.
  - **Mobility –** Shoot-and-move capability; demonstrated aerial-target engagement.
• **Significance –** It strengthens India's domestic private-sector defence development and anti-armour capability.
• **Status –** It demonstrated for Armed Forces evaluation; demonstration does not imply induction or procurement.

ASHANK (Yard 3036) – Anti-Submarine Warfare Shallow Water Craft

Indian Navy received Ashank, an indigenously built Anti-Submarine Warfare Shallow Water Craft (ASW-SWC), at Visakhapatnam.

• **Builder –** Garden Reach Shipbuilders and Engineers (GRSE), Kolkata.
• **Standards –** Designed and constructed according to *Indian Register of Shipping (IRS) classification rules.*
• **Key Features**
  - Designed for anti-submarine warfare (ASW) and coastal surveillance.
  - Equipped with lightweight torpedoes, indigenous rocket launchers and advanced sonar systems.
  - Supports mine-laying operations.
  - Among the largest Indian naval warships powered by waterjets.
• **Indigenous content –** Over 80%.
• **Significance –** It strengthens coastal anti-submarine warfare, underwater surveillance and indigenous naval shipbuilding under **Aatmanirbhar Bharat**.

Science

Pooja Pal – Low-Cost Dust-Free Thresher



• **Innovator –** Pooja Pal (17), Agehra village, Barabanki district, Uttar Pradesh.
• **Innovation –** Low-cost (approximately Rs.3,000) dust-free threshing device (Bhusa-Dhool separation machine) to reduce airborne chaff and dust during threshing.
• **Working mechanism –** Uses a water-based dust-trapping mechanism, fan and mesh to capture dust particles and reduce air pollution at the source.
• **Recognition –** Selected under ***INSPIRE-MANAK*** *(2023)* among 60 national winners; displayed at the National Science Exhibition (2024).
• **International exposure –** Participated in Japan's Sakura Science High School Programme (June 2025).
• **Patent support –** Ministry of Science and Technology is reportedly supporting patent-related efforts.

India's 1st Human Metabolic Chamber Facility – CMC Vellore

*India's first dedicated **Human Metabolic Chamber Facility** was inaugurated at Christian Medical College (CMC), Vellore.*
• **Established by –** Joint collaboration between *Tata Institute of Fundamental Research (TIFR)* and CMC Vellore.
• **Technology –** A room-sized calorimeter that measures oxygen consumption and carbon dioxide production to determine energy expenditure and utilisation of fats and carbohydrates during sleep, meals and physical activity.
• **Research Focus –** Nutrition, diabetes, obesity, metabolism and metabolic disorders.
• **Funding –** Department of Atomic Energy (DAE) and CSR support from Hindustan Unilever Limited.
• **Significance –** It enables India-specific metabolic research and strengthens evidence-based preventive healthcare.
• **Related Initiatives**
  - **Ayushman Arogya Mandirs –** Over 1.87 lakh centres providing primary healthcare and NCD screening.
  - **Yoga –** Over 7.8 crore cumulative yoga sessions conducted.
  - **Aaj Se Thoda Kam –** Campaign promoting reduced oil consumption.
  - **ARUMDA-TIFR –** Advanced Research Unit on Metabolism, Development & Aging.

Miscellaneous

International Day for the Elimination of Violence against Women

• **Annually observed on –** 25th November.
• **Aim –** To raise awareness of gender-based violence against women and girls.
• **2026 Theme –** *"Ensure Justice, Protect Survivors, End Impunity"* under the UNiTE campaign.
• **16 Days of Activism –** November 25 – December 10 (International Human Rights Day).
• **Campaign Call –** *"Speak Out. Believe Survivors. Demand Justice."* – promotes survivor support, accountability and combating stigma.
• **Origin –** Commemorates the Mirabal sisters (Dominican Republic), assassinated on November 25, 1960, under Rafael Trujillo's regime.
• **History**
  - Women's rights activists began observing November 25 in 1981.
  - Officially designated by the UN General Assembly through **Resolution 54/134 (1999)**.
  - The UN Declaration on the Elimination of Violence against Women was adopted in 1993 through **Resolution 48/104**.



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