

January - 10

TNPSC BITS

- ❖ The model code of conduct is coming into immediate effect in the Erode (East) Assembly constituency, for which polling will be held on February 5.
- ❖ The Tamil Nadu government has named Congress leader K.V. Thangkabalur for receiving the Perunthalaivar Kamarajar Award for 2024.
- ❖ Tamil Nadu's first floating restaurant was opened on the backwaters of Muttukadu near Chennai.
- ❖ The Centre appointed V Narayanan as the new Chairman of the Indian Space Research Organisation (ISRO) and Secretary of the Department of Space.
- ❖ The Pune-based startup Atreya Innovations has developed an AI-based pulse diagnostic tool - Nadi Tarangini for Ayurveda practitioners that can monitor patients' health on 22 parameters and generate report in 10 Indian languages.
- ❖ India's first organic fisheries cluster in Soreng District, Sikkim, under the PMMSY initiative was opened recently.
- ❖ Brazil, the current presiding nation of the BRICS, has officially announced the Indonesia's membership as a full member in the Bloc.
- ❖ India has launched two special category visas for the international students intending to study in India – the 'e-student visa' and the 'e-student-x visa'.
 - The e-student visa is for those who want to pursue education in India, while the e-student-x visa is for the dependents of the e-student visa holders.

NATIONAL

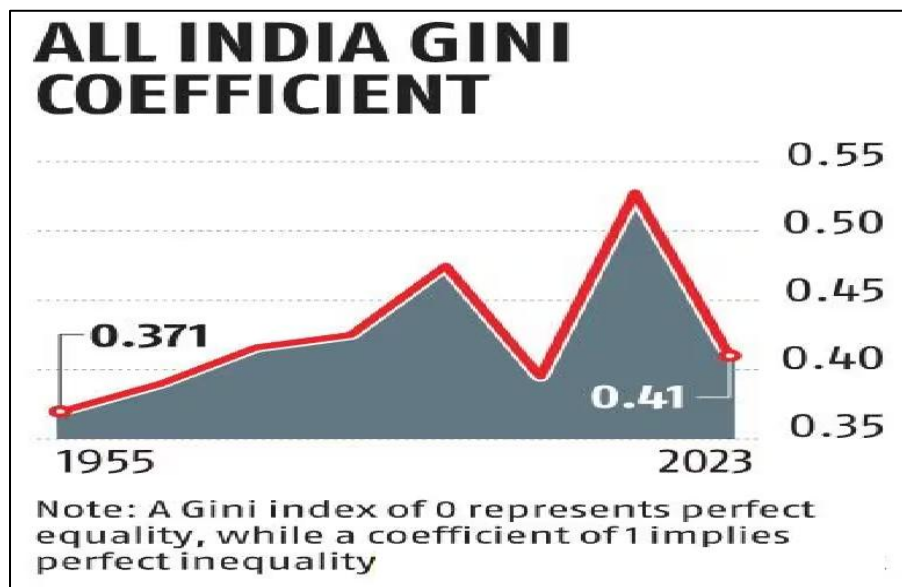
SC Ruling on Non-Cognizable Offences

- ❖ The Supreme Court clarified the parameters for police investigations into serious and non-serious crimes.
- ❖ The Court has distinguished between cognizable and non-cognizable offences, emphasising the importance of safeguards in place for non-cognizable offences.
- ❖ The Section 167 of CrPC empowers a Magistrate to remand an accused person to different forms of custody during the investigation process.
- ❖ The Sub-section (2) of Section 167 is particularly significant as it lays down the procedure for remand and sets a maximum limit of 15 days for police custody.
- ❖ Cognizable offences allow police to initiate investigations without prior approval.
- ❖ Non-cognizable offences require a magistrate's order before police can act.

- ❖ This distinction is crucial for maintaining the balance between individual rights and state authority.

Cognizable Offenses VERSUS Non-Cognizable Offenses	
<p>Cognizable offenses are those under which a police officer can arrest without an arrest warrant.</p>	<p>Non-Cognizable offenses are those under which a police officer cannot arrest without a warrant.</p>
<p>those offenses which are serious in nature. Example- Murder, Rape, Dowry Death,</p>	<p>which are not much serious in nature. Example- Cheating, Forgery, Defamation.</p>
<p>a Police Officer can investigate without the Magistrate's permission.</p>	<p>in order to start the investigation, it is important for the police officer to obtain the permission from the Magistrate.</p>

Income Inequality Trends in India 2023



- ❖ India's income inequality in 2023 remained higher than it was in the 1950s.
- ❖ The Gini coefficient for the country stood at 0.410 in 2023, up from 0.371 in 1955.

- ❖ Earlier, in 2021, due to the adverse impact of the pandemic, the Gini coefficient had risen to 0.528.
- ❖ The share of 'bottom 10 per cent' households income decline to 2.38 per cent in 2023 from 3 per cent in 1955.
- ❖ Meanwhile, the share of 'bottom 50 per cent' households rose slightly to 22.82 per cent from 22 per cent during the corresponding time period.
- ❖ The Gini coefficient measures the extent to which the distribution of income among individuals or households within an economy deviates from a perfectly equal distribution.
- ❖ A Gini index of 0 represents perfect equality, while a coefficient of 1 implies perfect inequality.
- ❖ The higher the value will be the greater the income inequality.
- ❖ As per the World Inequality Database, the 'top 1 per cent' controlled 22.6 per cent of the national income in 2023.

CBI's BHARATPOL Portal

New platform for police assistance

Union home minister Amit Shah on Tuesday launched the Bharatpol portal to facilitate faster international assistance for agencies and speed up investigations

BHARATPOL

Broadcast Hub for Assistance and Real-Time Action against Transnational Crimes via International Police Cooperation

WHAT IS IT?

A platform which integrates CBI (which is the National Central Bureau or nodal agency of Interpol in India) with state law enforcement agencies and the Centre, for sharing information on fugitives, criminal matters and processing requests for Interpol notices

WHAT CHANGES?

Earlier, states/UTs' police used to write to CBI and any queries were replied to through letters. The portal, available on CBI website, will allow frontline police officers to easily and promptly request international assistance from 195 Interpol member countries using standardised templates.

THINGS OF NOTE

- 1 The entire process will become paperless and faster now
- 2 It will enable easy drafting of Red Notice requests and other notices of Interpol
- 3 It will provide access to documents, templates, and training resources, enhancing the capability of frontline officers to conduct probes

FIVE MODULES

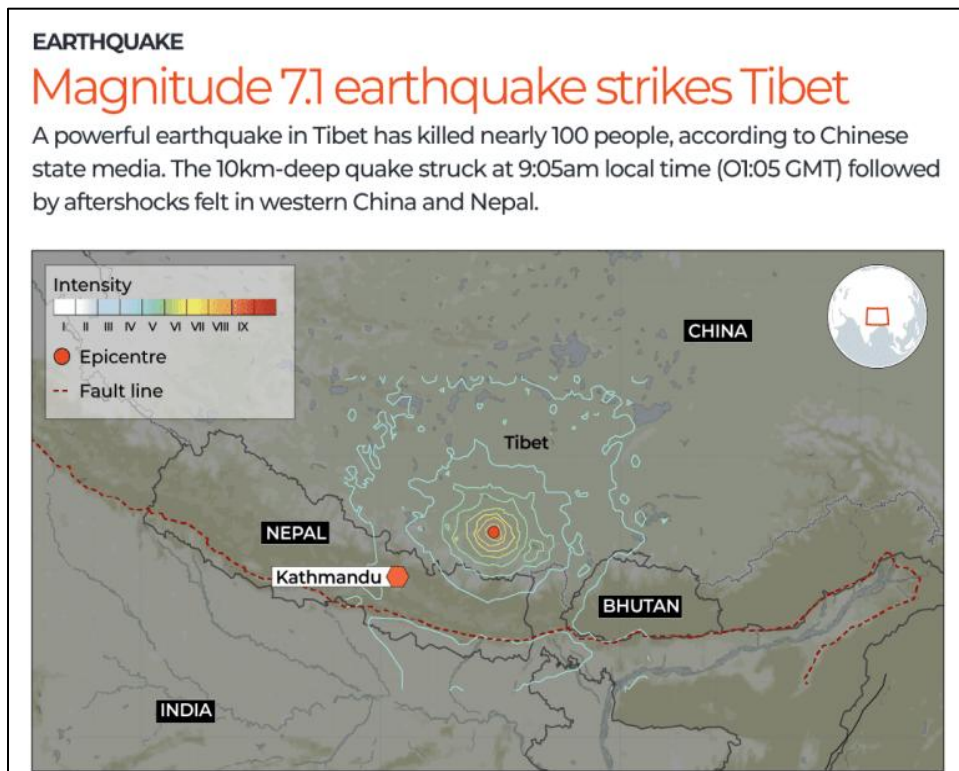
- Connect:** Links CBI with all law enforcement authorities in India by including Interpol Liaison Officers and Unit officers
- Interpol notices:** Rapid, secure and structured transmission of requests for Interpol notices
- Interpol references:** Facilitates assistance to Indian agencies in criminal matters and investigation abroad through Interpol channels
- Broadcast:** Requests from 195 countries for assistance in criminal intelligence shared by them can be transmitted for action to Indian law enforcement agencies
- Resources:** Provides access to relevant documents and capacity building resources

- ❖ Centre inaugurated the 'Bharatpol' portal to streamline international cooperation for law investigating agencies.

- ❖ Bharatpol stands for broadcast hub for assistance and real-time action against transnational crimes via international police cooperation.
- ❖ It was developed by the Central Bureau of Investigation (CBI).
- ❖ It will allow central and state agencies to easily connect with the Interpol and speed up their investigations.
- ❖ This portal integrates the CBI as the Interpol (NCB-New Delhi) with all law enforcement authorities in India, down to Superintendents of Police (SPs) and Commissioners of Police (CPs).
- ❖ Bharatpol has five key modules — Connect, INTERPOL Notices, References, Broadcast, and Resources.

INTERNATIONAL

2025 Tibet-Nepal Earthquake

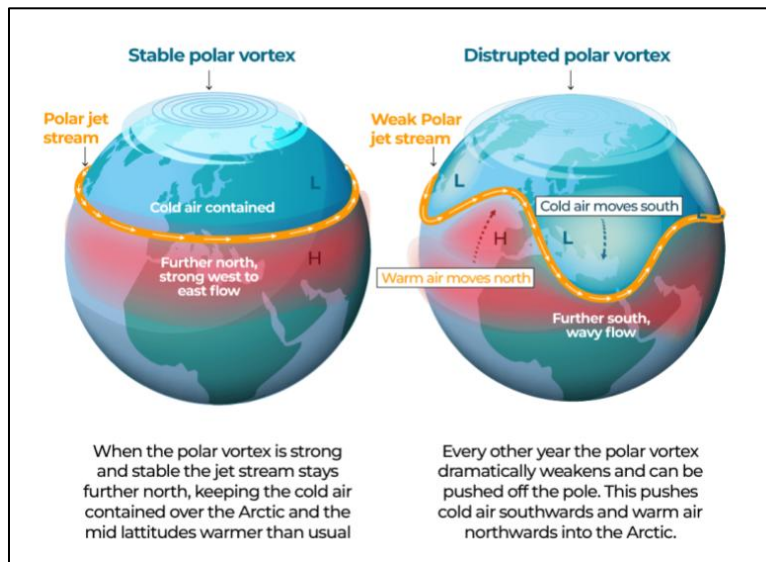


- ❖ An earthquake of 7.1 magnitude hit Tibet near the Nepalese border.
- ❖ The earthquake was triggered by a rupture in the Lhasa block - an area under significant tectonic stress.
- ❖ This area is a hotspot for seismic activity due to the ongoing collision of the Indian and Eurasian tectonic plates.

- ❖ It is a process that's been shaping the Himalayas for the past 60 million years.

Polar Vortex and Winter Storms in US 2025

- ❖ The United States has been experiencing severe winter storms is caused by the expansion of the polar vortex.
- ❖ The polar vortex primarily affects the countries situated in the Northern Hemisphere's mid to high latitudes.
- ❖ The polar vortex spins anticlockwise around the North Pole with wind speeds of about 155mph (250km/h).
- ❖ There are two types of polar vortexes – tropospheric and stratospheric.
- ❖ The tropospheric polar vortex occurs at the lowest layer of the atmosphere where most weather phenomena take place.
- ❖ It extends from the surface up to about 10 km to 15 km
- ❖ The vortex creates milder weather across northern latitudes.
- ❖ The stratospheric polar vortex occurs at around 15 km to 50 km high.
- ❖ Unlike the tropospheric polar vortex, the stratospheric polar vortex disappears during the summer and is the strongest during the autumn.



ECONOMY

RBI's Gold Accumulation

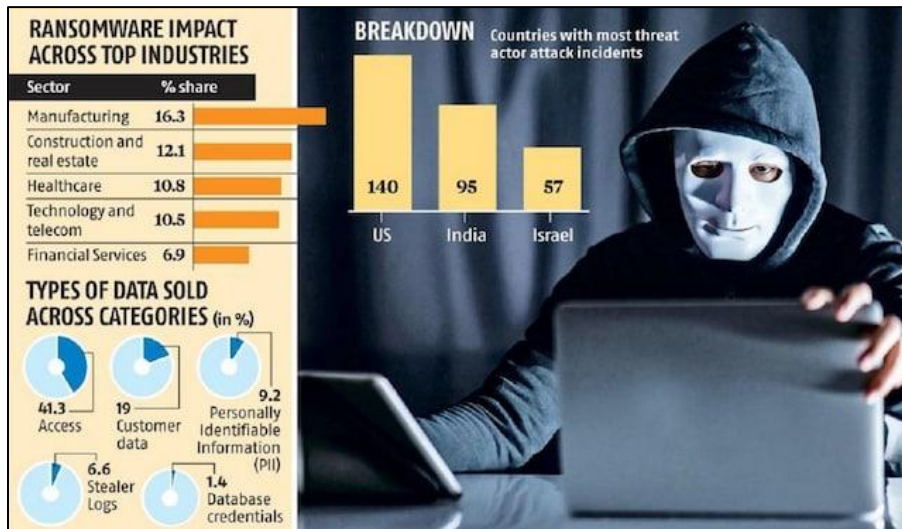
- ❖ The Central banks around the world collectively, in November 2024, added 53 tonnes of gold to their reserves.

- ❖ The Reserve Bank of India's addition was 8 tonnes.
- ❖ This lifted the year-to-date buying to 73 tonnes and total gold holdings to 876 tonnes.
- ❖ RBI is maintaining its position as the second largest buyer in 2024, after Poland.



REPORTS AND INDICES

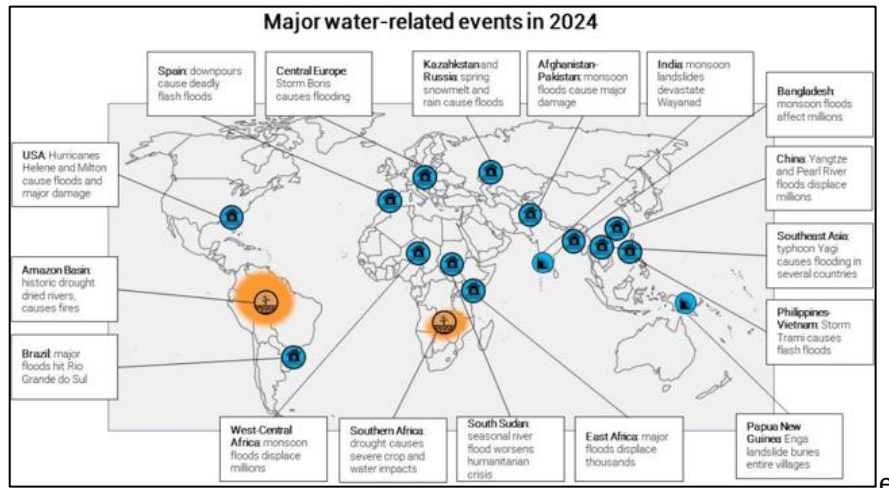
Threat Landscape Report 2024



- ❖ India has emerged as the second most targeted nation for cyber-attacks globally, with 95 entities falling victim to data theft in 2024.

- ❖ The United States in the top spot with 140 attacks.
- ❖ Israel ranks third, with 57 attacks attributed to ongoing geopolitical tensions.
- ❖ Major breaches included the leak of 850 million records of Indian citizen data from Hi-Tek Group, customer data from Star Health and Allied Insurance, and 2TB of sensitive information from Telecommunications Consultants India.

2024 Global Water Monitor Report



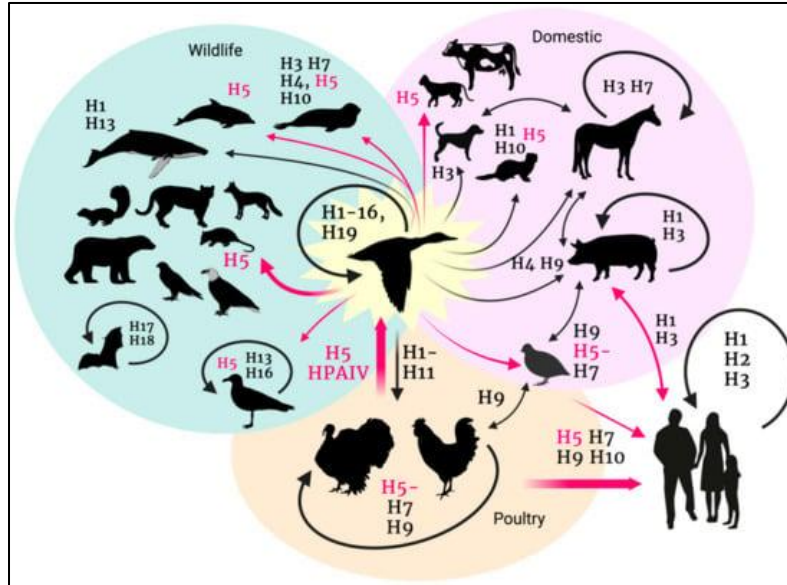
- ❖ The 2024 Global Water Monitor Report was released by the Australian National University (ANU).
- ❖ In 2024 alone, the water-related disasters claimed over 8,700 lives, displaced approximately 40 million people.
- ❖ It inflicted economic losses exceeding \$550 billion.
- ❖ The Significant events included catastrophic flooding in Brazil, Afghanistan and Pakistan.
- ❖ Record-high monthly rainfall totals were achieved 27% more frequently in 2024 compared to the early 2000s.
- ❖ Daily rainfall records increased by 52%.
- ❖ Conversely, record-low precipitation events were also seen more frequently.

MISCELLANEOUS

HPAI H5N1 Outbreak on Indian Wildlife

- ❖ Three tigers and a leopard have died after getting infected from Highly Pathogenic Avian Influenza (HPAI) H5N1 virus, commonly known as 'bird flu', at the Balasaheb Thackeray Gorewada International Zoological Park in Nagpur.

- ❖ The (HPAI) H5N1 virus is commonly known as 'bird flu'.
- ❖ This is the first instance of the disease having caused mortality among captive wildlife in India.
- ❖ The virus has established its presence in 108 countries, across five continents.



India's Metro Rail Network status 2025

#MetroRevolutionInIndia

INDIAN METRO'S RISE TO THE TOP!

Surpassed Japan in the length of metro rail projects in 2022

Currently ranks **3rd** globally in operational Metro network length

On its way to have the **2nd largest metro network** in the world

- ❖ Indian Metro systems is covering over 1,000 km across 11 states and 23 cities.
- ❖ India has surpassed Japan in Metro Rail Projects in 2022.

- ❖ Currently, India ranks third globally in operational Metro network length and is on track to become the 2nd largest Metro network in the world.
- ❖ In 1984, the first metro line in India, covering 3.4 km between Esplanade and Bhowanipur, was opened in Kolkata.
- ❖ The Delhi Metro Rail Corporation (DMRC) was established in 1995.
- ❖ Chennai's metro expanded in 2017 with the inauguration of its first underground section on the Green Line.
- ❖ In 2020, India launched its first-ever driverless metro service on Delhi Metro's Magenta Line.
- ❖ Kochi, Kerala, became the first city in India to launch a Water Metro Project in 2021.
- ❖ In 2024, India's first under-water metro tunnel inaugurated in Kolkata.

