# India-EFTA Trade and Economic Partnership Agreement (TEPA) to come into effect from October 1, 2025: Commerce Minister

**About European Free Trade Association (EFTA)** 

of its members.

Switzerland).

Liechtenstein (not part of EU)

> It is an inter-governmental organization for the

Member States: Switzerland, Iceland, Norway &

**▶ Founded:** By Stockholm Convention in 1960

with its 7 founding members (Austria, Denmark,

Great Britain, Norway, Portugal, Sweden and

promotion of free trade and economic integration

TEPA, a Free Trade Agreement (FTA) signed in March, 2024 focuses on market access related to goods, rules of origin, trade facilitation, trade remedies, sanitary and phytosanitary measures etc.

## **Key Provisions of TEPA**

- ▶ First Binding Commitment: 1st FTA making a binding commitment of \$100 bn investment (FDI) and 1 million direct jobs in India in next 15 years.
  - In return, India will allow several products (e.g. Swiss watches, chocolates, and cut and polished diamonds) at lower or zero duties.
- Market Access: EFTA's market access offer covers 100% of non-agri products and tariff concession on Processed Agricultural Products (PAP).
  - ⊕ Sectors such as dairy, soya, coal and sensitive agricultural products are kept in the exclusion list.
- ➤ Tariff Reduction: EFTA will eliminate or reduce import tariffs on 99.6% of India's exports. India will eliminate or reduce import tariffs on 95.3% of the exports from EFTA nations.
- ▶ Others: IPR commitments, Mutual Recognition Agreements in Professional Services E.g. nursing
- **India-EFTA trade Relation:**
- ▶ In 2024-25, India-EFTA trade totaled USD 24.4 billion, with India facing a large trade deficit.
  - A large part of the deficit is due to **imports of gold from Switzerland**.
- Among EFTA countries, Switzerland is the largest trading partner of India followed by Norway.

# Kashi Declaration adopted in Youth Spiritual Summit for Drug-Free India

As part of broader Mera Yuva (MY) Bharat framework, the Youth Spiritual Summit laid the foundation for a national youth-led anti-drug campaign.

➤ MY Bharat is an **autonomous body** set up by the Government of India to provide an institutional mechanism powered by technology for **youth development** and **youth-led development**.

### **About Kashi Declaration**

- Sets a 5 year roadmap for De-Addiction Movement.
- ➤ Affirms a national consensus to treat substance abuse as a multi-faceted public health and societal challenge.
- Approach to be followed:
  - Proposes institutional mechanisms for multi-ministerial coordination, including the formation of a Joint National Committee, annual progress reporting, and a national platform for linking affected individuals to support services.
  - Integration of spiritual, cultural, educational, and technological efforts to prevent addiction.

### Other Initiatives taken to reduce Drug Abuse

- The Narcotic Drugs and Psychotropic Substances Act, 1985
- The Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act, 1988
- National Action Plan for Drug Demand Reduction (NAPDDR), 2018-25
- Nasha Mukt Bharat Abhiyaan (NMBA), 2020

### Status of Drug-abuse in India (as per National Survey on Substance Use, 2019)

- > Prevalence of Alcohol Use: 14.6% between the age of 10 and 75 years are current users of alcohol.
- > Cannabis and Opioids (e.g., heroin) are the next commonly used substances in India.



**Social Factors: E.g.,** Peer pressure, family conflicts, and social isolation



**E.g.,** Unemployment and poverty



**Driving factor behind Drug Abuse** 

Psychological
Factors: E.g., Mental
health issues like
anxiety and depression



Academic/Work Stress: E.g., High pressure in education and jobs increases risk, especially among youth.



Availability: India is located between Golden crescent and golden triangle.







# China begins construction of World's largest Dam on Brahmaputra river (Yarlung Tsangpo)

The dam is being built across a **huge gorge** in the **Himalayas** where the river makes a **U-turn** near India's border (**Arunachal Pradesh**).

- ➤ Once completed, it can surpass the scale of China's Three Gorges Dam on the Yangtze River.
- Brahmaputra flows across the Tibetan Plateau, carving out the deepest canyon on Earth.

### **Key Concerns associated with the Dam**

- Disaster Risk: This increases the threats related to earthquakes. Tibetan plateau frequently experiences earthquakes as it is located over the tectonic plates.
  - E.g., 1950 Assam-Tibet Earthquake
- ➤ Environmental Challenges: It may cause disruption to local ecology and downstream water flow.
- Geopolitical challenges: China can potentially weaponize (as a 'water bomb') dam during conflicts by causing floods.
- Cultural challenges: E.g., Project threatens tribes like the Adi Tribe in Siang valley in Arunachal Pradesh.



China and India have established Expert Level Mechanism (ELM) in 2006 to address trans-border river issues by sharing hydrological data on Brahmaputra and Sutlej rivers during flood seasons. India is also building its hydropower dam on the Brahmaputra in Arunachal Pradesh.

▶ Both countries are not signatories to the United Nations Convention on the Law of the Non-Navigational Uses of International Watercourses, 1997.

# ICMR is developing indigenous multi-stage Malaria vaccine named 'AdFalciVax'

Vaccine is being developed through ICMR's Regional Medical Research Centre, Bhubaneswar and National Institute of Malaria Research in partnership with Department of Biotechnology-National Institute of Immunology.

### **About AdFalciVax Vaccine**

- **Dual-Stage Targeting of Plasmodium falciparum (Deadliest malaria parasite Species):** Unlike existing vaccines that target only one life stage, it targets two critical stages in parasite's lifecycle i.e.
- ➤ Recombinant Chimeric Vaccine: A "chimeric" vaccine refers to vaccine that combines antigens from different stages of a parasite's life cycle into a single immunogen.
  - Recombinant DNA technology is a process where DNA molecules from different sources are combined to create a new DNA sequence.
- Indigenous Development: It marks India's entry into the global league of advanced malaria vaccine R&D.

### **Advantages over Existing Malaria Vaccines**

- ▶ Broader protection: Unlike existing WHO-recommended vaccines RTS, S/AS01 (Mosquirix) and R21/Matrix-M, AdFalciVax offers dual-stage protection.
- Lower risk of immune evasion and potential for better longterm immunity
- ➤ Extended thermal stability with functionality maintained for over nine months at room temperature
- ➤ Cost-Effective Manufacturing: Produced in a safe and scalable bacterial system i.e. Lactococcus lactis.

### **About Malaria**

- ▶ **Life-threatening disease** caused by Plasmodium parasites and does not spread from person to person.
  - Malaria mostly spreads to people through bites of some infected female Anopheles mosquitoes.
- ➤ Geographical prevalence: Mostly found in tropical countries.
- Five Plasmodium species cause malaria in humans: P. falciparum, P. vivax, P. malariae, P. ovale, P. knowlesi.







# National Sample Survey (NSS) completes 75 Years

NSS was established in 1950 by P.C. Mahalanobis to collect economic and social information from the whole country on the basis of random sampling.

### About NSS

- ➤ Ministry: Ministry of Statistics and Programme Implementation.
- ➤ Headed by a Director General: Responsible for conduct of large scale sample surveys on All India basis.
- Coverage:
  - ⊕ Household surveys on socio-economic subjects: E.g. surveys on population, birth, death, migration, fertility, family planning etc.
  - Surveys on land holding, livestock and agriculture.
  - ⊕ Establishment surveys and enterprise surveys: E.g. non-agricultural enterprises in unorganized sector and collection of rural retail prices in rural areas.
  - Village surveys: Formation on availability of infrastructure facilities in Indian villages.
- Four Divisions of NSS:
  - Survey Design and Research Division (SDRD): Located at Kolkata, it is responsible for technical planning of surveys, formulation of concepts and definitions, sampling design etc.
  - Field Operations Division (FOD): With its headquarters at Delhi/Faridabad is responsible for the collection of primary data.
  - Data Processing Division (DPD): Headquarters at Kolkata is responsible for sample selection, software development, processing, validation and tabulation of data.
  - Survey Coordination Division (SCD): Located at New Delhi, coordinates all the activities of different Divisions of NSS.

### Also In News



### M23 Rebels

Democratic Republic of Congo (DRC) and Rwanda-backed M23 rebels have committed to a permanent ceasefire in eastern Congo.

### **About M23 rebels**

- M23, or March 23 Movement primarily consists of ethnic Tutsis is a major armed group fighting Congolese forces in mineral-rich eastern DRC.
- It is named after date in 2009 of the signing of an accord between CNDP, a Tutsi-led rebel group, and the Congolese government to end a revolt led by the Tutsi people.
- CNDP members formed the M23 movement in 2012 to protest the failed implementation of the 2009 accord, for protecting minorities and distributing resources evenly.



### Bitra island

Lakshadweep administration is considering acquisition of Bitra for defence purposes.

### **About Bitra Island**

- > It is the smallest inhabited island in the territory of Lakshadweep having a land area of 0.105 sq km.
- **Location:** Near the Agatti Island, Arabian Sea.
- > Climate: Categorised as 'Aw' i.e., tropical savannah according to the Köppen-Geiger system of climate classification.
  - The average rainfall received is ~1600 mm a year.

### **About Lakshadweep**

- It is India's smallest Union Territory.
- Lakshadweep Island consists of 36 coral islands, located in the Arabian Sea. Atoll, lagoon and reefs are the three main geographical features.

# Major Surveys of NSS

- Urban Frame Survey (Phase 2022-27): To establish and update a reliable sampling frame for urban areas, crucial for conducting socio-economic surveys.
- Annual Survey of Industries (ASI): To assess and evaluate changes in the growth, composition and structure of organized manufacturing sector.
- Periodic Labour Force Survey (PLFS) conducted from 2017 has been the primary source of statistics on labour force.
- Price Survey (Consumer Price Index-Urban & Rural, Consumer Price Index (AL/RL) and Wholesale Price

# **Codex Alimentarius Commission (CAC)**

India's leadership in standards development for Millets gained recognition at the 88th Session of the Executive Committee of the CAC at Food and Agriculture organization (FAO) Headquarters in Rome, Italy.

### **About CAC**

- It an international food standards body established jointly by the FAO and the World Health Organization (WHO) in
- ▶ It is responsible for the implementation of the Joint FAO/ WHO Food Standards Programme.
- Codex Alimentarius are international food standards and codes of practice that contribute to the safety, quality and fairness of this international food trade.
- Members: 189 (188 Member Countries and 1 Organization

### Kamchatka Peninsula

Five powerful earthquakes struck offshore in Russia's Kamchatka Peninsula.

### About Kamchatka Peninsula

- Located in the Russian Far East.
  - (east) and the Sea of Okhotsk (west).
- Lies on the Pacific Ring of Fire.
- Often known as a land of fire and ice.
- Kuril Archipelago extends from the southern tip of Russia's Kamchatka Peninsula to the northeastern coast of Japan's Hokkaido Island.
  - The Kuril Islands are a group of territories disputed between Russia and Japan.









# Invitro bioTransformation (ivBT)

Chinese researchers have developed vitro an biotransformation (ivBT) system that synthesizes sucrose from methanol.

- While Methanol was derived from industrial waste or carbon dioxide.
- This Artificial conversion of CO2 into food and chemicals can address environmental and population related challenges

### About ivBT system

- ▶ Biotransformation is process by which a substance is chemically altered by metabolic activity of biological agents, mainly enzymes.
- When this process is carried out outside the body (in vitro) using isolated cells or enzymes, it is termed in vitro biotransformation (ivBT).



### **Biomolecular Emulator (BioEmu)**

A new deep learning system, BioEmu-1, has been developed to accurately predict protein structures and their dynamic conformations.

### **About BioEmu**

- Developed by Microsoft and researchers at Rice University in the US and Freie Universität in Germany.
- Predicts the full range of shapes a protein naturally explores under biological conditions.
- Allows high-resolution protein flexibility modelling.
  - Database of AlphaFold (Al Model developed by Google) DeepMind to predict protein's structure) has been used for its training.
- Benefits: It is faster and cheaper, enabling large-scale predictions.
  - on a single graphics processing unit (GPU).
  - Also, it is an open source model



### **Hatti Tribe**

Recently, a traditional polyandrous marriage known as 'Jajda' was performed among the Hatti tribe (Scheduled Tribes (ST)) in Himachal Pradesh.

- Revenue laws recognize this practice as 'Jodidara'.
- Polyandry is a form of polygamy where a woman marries more than one man at the same time.
- Reasons for polyandry: ensuring ancestral land is not divided, promoting brotherhood and joint family, etc.

### **About Hatti Tribe**

- It is a close-knit community in Trans-Giri region (near Giri and Tons rivers) of HP and Uttarakhand.
- The tribe is named after their traditional occupation selling homegrown produce, meat, etc. at small markets (called Haats).



### Mangarh Massacre, 1913

Tribal communities from Rajasthan, Madhya Pradesh, Gujarat, and Maharashtra gathered at Mangarh Dham to reiterate their demand for a separate Bhil Pradesh.

- Mangarh Dham is the site of the Mangarh massacre of 1913, also called Jallianwala Bagh of Rajasthan.
- It is located in Banswara district of Rajasthan.

## About Mangarh Massacre, 1913

- > Under the leadership of Guru Govindgiri, Bhils assembled to demand higher wages from their landlords at Mangarh
- > Rumors spread that the tribals were planning to revolt against rulers and the British government.
- Thus, British forces used bombs and fired directly into the crowds of assembled tribals
- Approximately 1,000-1,500 tribals were killed in the incident.

# Personality in News



Mangal Pandey (1827 - 1857)

PM pays tribute to the great freedom fighter Mangal Pandey on his birth anniversary.

# About Mangal Pandey (1827 - 1857)

- **Born:** Ballia district, Uttar Pradesh.
- He joined 34th Bengal Native Infantry of the British East India Company in 1849 at the age of 22.

### **Key contributions:**

- Key role in the revolt of 1857 also known as the Sepoy mutiny of 1857.
- He protested against the issue of greased cartridges to the soldiers.
- Broke into open mutiny on March 29, 1857, at Barrackpore near Calcutta, which also ignited fire of Revolt of 1857.
- ▶ He was court-martialed and hanged at Barrackpore on April 8, 1857.

Values: Courage, leadership, Determination, Patriotism etc.

































BENGALURU

BHOPAL

CHANDIGARH

DELHI

GUWAHATI

HYDERABAD

JODHPUR

LUCKNOW

**PRAYAGRAJ** 

PUNE

RANCHI