



June - 29

## TNPSC BITS

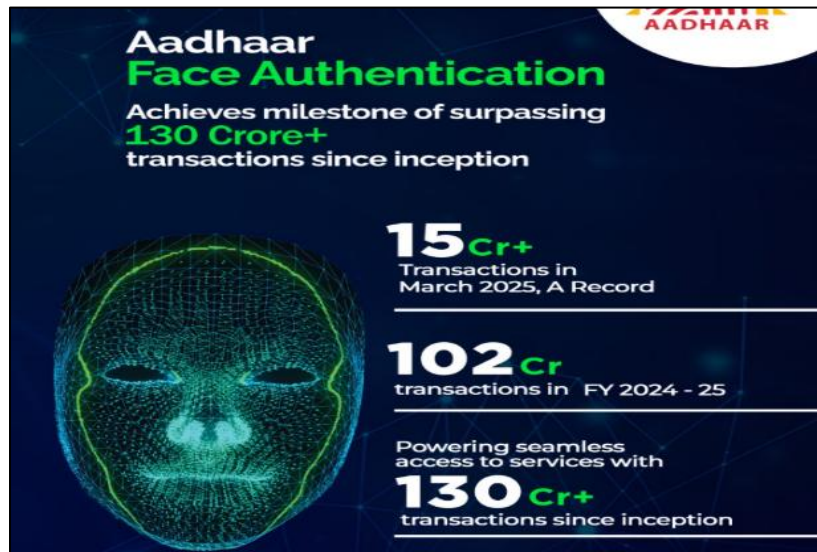
- ❖ Adani Group has set up India's first off-grid 5 MW green hydrogen plant in Kutch, Gujarat.
- ❖ The union home minister released the book 'The Emergency Diaries – Years that Forged a Leader', detailing the PM Modi's experiences during the anti-Emergency movement.
- ❖ Kirsty Coventry became the first female and African president of the International Olympic Committee (IOC) on its 131st anniversary.
- ❖ Gujarat launched Amended BharatNet Program (ABP) Phase-3 to provide a high-speed broadband to over 14,000 Gram Panchayats and nearly 4,000 villages.
- ❖ Maharashtra cabinet approved ₹20,787 crore for land acquisition for the 802 km Shaktipeeth Expressway from Pavnar (Wardha) to Patradevi (Sindhudurg) on the Maharashtra-Goa border.
- ❖ India launched its first AI-powered Advanced Traffic Management System (ATMS) on the Dwarka Expressway in Delhi.
- ❖ Tata Power-DDL and Japan's Nissin Electric commissioned India's first micro substation with power voltage transformer in Delhi outskirts.
- ❖ The union government has approved setting up the International Potato Center's South Asia Regional Centre in Singna, Agra, Uttar Pradesh.
- ❖ The Centre has approved the procurement of moong and urad in Madhya Pradesh and urad in Uttar Pradesh under the Price Support Scheme (PSS).
- ❖ India is set to establish its first Quantum Computing Valley in Amaravati of Andhra Pradesh by January 2026.

## NATIONAL NEWS

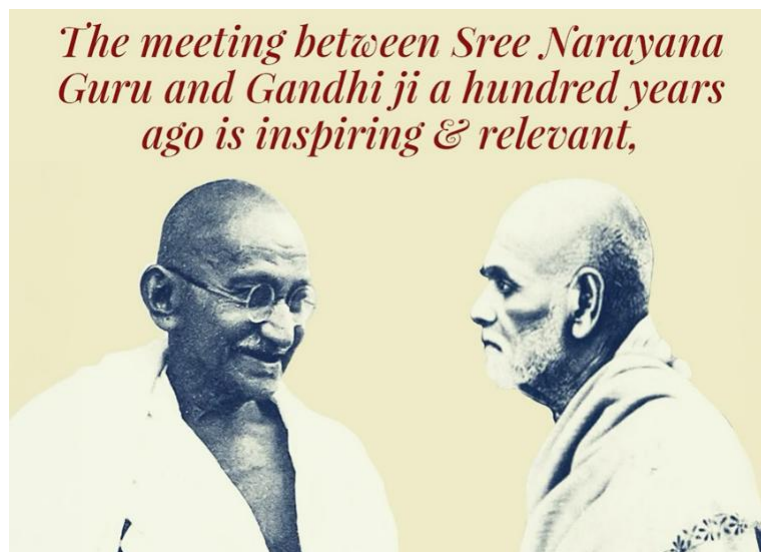
### **NITI Aayog Report on India's Data Quality**

- ❖ NITI Aayog released the third edition of report titled "India's Data Imperative: The Pivot Towards Quality."
- ❖ It highlights the urgent need to improve data quality for better digital governance and public trust.
- ❖ It introduces tools like the Data-Quality Scorecard and the Data-Quality Maturity Framework to help measure and improve data.

- ❖ India's data ecosystem includes Aadhaar, UPI, Ayushman Bharat, and the Direct Benefit Transfer (DBT) systems.
- ❖ India has 1.2 billion mobile users and 800 million internet users.
- ❖ The report warns that poor data quality causes 4–7% excess welfare spending due to errors and duplicates.



### **Centenary of a Historic Spiritual Conversation**

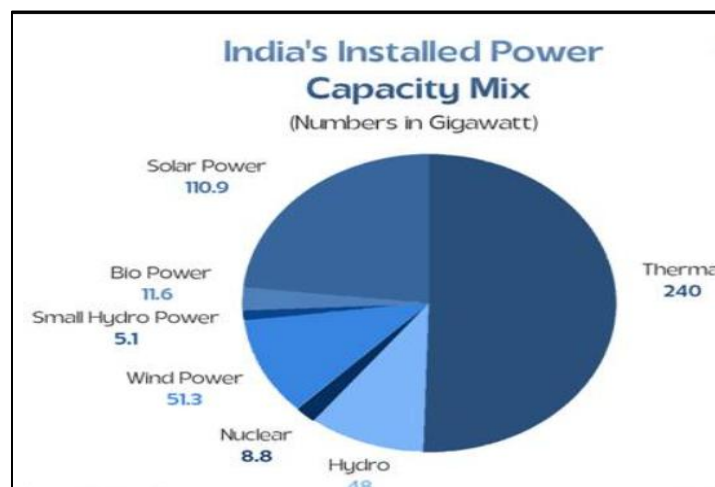


- ❖ The 100th anniversary event of the meeting between Sree Narayana Guru and Mahatma Gandhi was held in New Delhi.
- ❖ The original conversation took place in 1925 at Sivagiri Mutt, Thiruvananthapuram, Kerala.

- ❖ They discussed various topics like Vaikom Satyagraha, non-violence, ending untouchability, and helping marginalized communities.
- ❖ Their talk is remembered for addressing social reform and equality issues of that time.

### India's non-Fossil Power source

- ❖ India's total power capacity reached 476 GW as of June 2025.
- ❖ Non-fossil fuel sources make up 235.7 GW (49%) of this capacity.
- ❖ Renewable energy accounts for 226.9 GW, including 110.9 GW solar and 51.3 GW wind power.
- ❖ Nuclear power contributes 8.8 GW to the total capacity.
- ❖ Coal-based thermal power remains the largest source with 240 GW, or 50.52% of capacity.



### Vaccine Gap Ranks

- ❖ India had 1.44 million “zero-dose” children in 2023, second only to Nigeria’s 2.5 million.
- ❖ “Zero-dose” children are those who have not received even one routine childhood vaccine.
- ❖ These children are mostly concentrated in eight countries.
- ❖ These 8 together account for over 50% of the global burden.
- ❖ The data comes from a new Lancet study using the Global Burden of Disease estimates.

- ❖ India's Universal Immunisation Programme (UIP) covers 12 diseases, but gaps in coverage remain.
- ❖ Globally, the number of zero-dose children dropped from 58.8 million in 1980 to 14.7 million in 2019.



## **INTERNATIONAL NEWS**

### **Panel on Chemicals, Waste and Pollution**



- ❖ A new global science-policy panel on chemicals, waste, and pollution has been launched in Punta del Este, Uruguay.
- ❖ It is formed under the UN Environment Programme (UNEP).
- ❖ It aims to strengthen the global efforts to tackle pollution, manage hazardous chemicals and waste, and protect the environmental and human health through evidence-based policymaking.



- ❖ This panel joins the Intergovernmental Panel on Climate Change (IPCC) and the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).
- ❖ These 3 form a powerful trio tackling the triple planetary crisis of climate change, biodiversity loss, and pollution.

### **HIV MTCT Elimination - Botswana**

- ❖ Botswana became the first country to achieve gold tier status in eliminating the mother-to-child transmission (MTCT) of HIV.
- ❖ It reduced new HIV infections in children to below 250 per 100,000 live births.
- ❖ Service coverage increased from 90% to 95% in antenatal care, HIV testing, and treatment for pregnant women with HIV.
- ❖ Botswana had already achieved silver tier status in 2021.
- ❖ In 2023, Namibia was awarded bronze tier for progress in HIV MTCT elimination.
- ❖ Namibia is also the first country to earn the silver tier for eliminating MTCT of hepatitis B.



### **UN80 Initiative**

- ❖ The UN80 Initiative was launched by UN Secretary-General António Guterres.

- ❖ It aims to modernize the UN to meet current global challenges.
- ❖ The focus is on improving the UN's work in peace, development, and human rights.
- ❖ It plans to eliminate overlaps and automate administrative services.
- ❖ A review will assess how over 3,600 UN mandates are being implemented.
- ❖ The initiative will not change the mandates themselves.
- ❖ The UN80 Initiative focuses on three workstreams—cutting costs and overlaps through automation, review.

**The UN80 Initiative  
is a significant  
opportunity  
to strengthen  
the UN system  
and deliver for  
those who depend on us.**

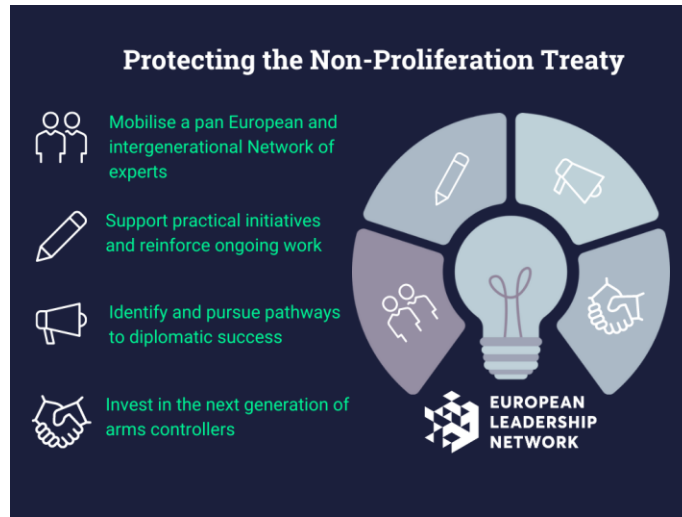


**António Guterres**  
United Nations Secretary-General  
12 May 2025

### **Iran and IAEA Cooperation**

- ❖ Iran's Parliament have voted to stop all cooperation with the International Atomic Energy Agency (IAEA).
- ❖ The move follows military strikes by the United States (US) and Israel on Iranian nuclear sites.
- ❖ The IAEA, the United Nations (UN) nuclear monitoring body, oversees the nuclear activities worldwide.
- ❖ Iran had been allowing inspections under the Non-Proliferation Treaty (NPT).

- ❖ The NPT is an international agreement aimed at preventing the spread of nuclear weapons.



## SCIENCE AND TECHNOLOGY NEWS

### Google AI Mode in India

- ❖ Google has launched AI Mode in India, the first country outside the US to get it.
- ❖ It gives detailed answers in English using text, images, and links.
- ❖ This new search mode is powered by Google's Gemini 2.5 AI model.
- ❖ It uses a method called 'query fan-out'.
- ❖ This means, it breaking one question into many parts, searching the web, and combining the best answers.
- ❖ The feature is currently experimental and available to select users.



### Favipiravir drug

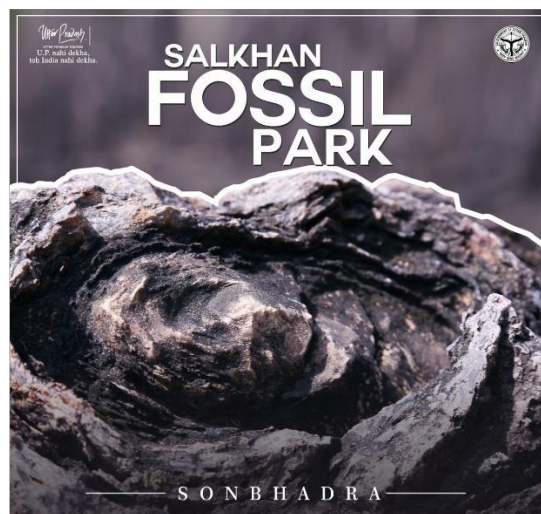
- ❖ Pune's National Institute of Virology has found that the anti-viral drug Favipiravir could help protect against the Chandipura virus.

- ❖ Chandipura virus is common in central India and causes high fever, seizures, and encephalitis.
- ❖ The virus was first found in Maharashtra in 1965 from patients with fever.
- ❖ The first major outbreak had happened in 2003 in Telangana, infecting over 300 children with more than 50% deaths.



## STATES' NEWS

### Salkhan Fossils Park



- ❖ Salkhan Fossils Park in Sonbhadra, Uttar Pradesh was added into on UNESCO's tentative list of World Heritage Sites.



- ❖ The park is one of the oldest fossil sites globally, with fossils dating back 1.4 billion years.
- ❖ Fossils include stromatolites and algae, among the earliest signs of life on Earth.
- ❖ The park covers 25 hectares in the Kaimur range, Vindhyan mountains.

### **Bihar's First Nuclear Power Plant**

- ❖ Bihar is one of six states chosen to get a nuclear power plant under India's Nuclear Energy Mission.
- ❖ The plant will use the Small Modular Reactor (SMR) technology after the central government approval.
- ❖ This mission aims to expand clean and reliable nuclear power across India and improve regional energy security.
- ❖ SMRs are newer nuclear reactors that are more flexible, cost-effective, and safer than traditional reactors.

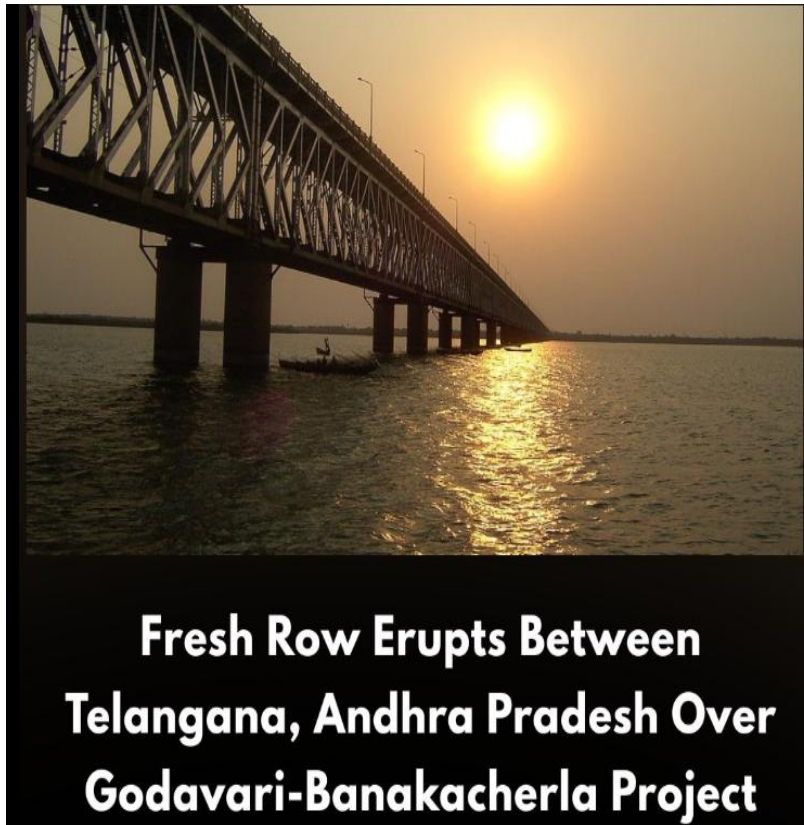
## **Central government to setup nuclear power plant in Bihar**



### **Banakacherla reservoir project**

- ❖ Andhra Pradesh state has submitted a pre-feasibility report of the 'Godavari-Banakacherla Project' to the Central Water Commission (CWC).
- ❖ It aims to divert surplus Godavari water via the Krishna River to the drought-hit Rayalaseema region for drinking and irrigation needs.

- ❖ The project is located in Banakacherla, Nandyal district, Andhra Pradesh.
- ❖ Telangana is calling it as a violation of the AP Reorganisation Act, 2014, which requires prior approval for inter-basin projects.
- ❖ The project has not yet received clearance from the Krishna River Management Board (KRMB), Godavari River Management Board (GRMB), or the CWC.
- ❖ Telangana was allotted 968 TMC ft of Godavari water by the Godavari Tribunal.



## **MISCELLANEOUS NEWS**

### **Tawi River flood 2025**

- ❖ Tawi River flash flood caused by heavy rainfall occurred in Jammu.
- ❖ Tawi River originates from Kailash Kund glacier near Bhaderwah in Doda district, Jammu and Kashmir.
- ❖ It flows through Doda, Udhampur, and Jammu districts before entering into Pakistan's Punjab.
- ❖ It joins Chenab River as a left-bank tributary, part of the Indus River System.
- ❖ River length is 141 km with a catchment area of 2,168 sq km up to Indian border.

- ❖ Major tributaries include Raji, Gou Karan, and seasonal streams are supporting perennial flow.

