

November - 21

## TNPSC BITS

- ❖ The Tamil Nadu government has issued an order to merge the Directorate of Pension and the Government Data Centre with the Treasuries and Accounts Department, under the administrative control of the Finance Department.
- ❖ The 76th National Track Cycling Championship was held in the campus of Tamil Nadu Physical Education and Sports University in Melakottaiyur, Kancheepuram district.
- ❖ Tamil Nadu has launched a few buses fuelled by Liquefied Natural Gas (LNG)/ Compressed Natural Gas (CNG) on Chennai-Trichy route.
- ❖ State Bank of India (SBI) plans to borrow up to \$1.25 billion, making it the biggest dollar loan from India's financial sector in 2024.
- ❖ The Ladakh Autonomous Hill Development Council (LAHDC) in Leh has teamed up with the Aditya Mehta Foundation (AMF) to establish the world's first high-altitude para sports centre.
- ❖ The CSIR-National Institute of Science Communication and Policy Research and Gurugram University have jointly hosted the International Conference on the Communication and Dissemination of Traditional Knowledge (CDTK-2024) at the Gurugram University.
- ❖ Prime Minister inaugurated the 1st Bodoland Mahotsav in New Delhi.
- ❖ For the first time, the India Meteorological Department (IMD) has introduced a localized weather forecasting system for the Sabarimala pilgrimage.
- ❖ The Supreme Court dismissed Vedanta's plea to reopen the plant at thoothukudi, emphasising the importance of the health and welfare of local residents.
  - Vedanta filed a review petition against the Supreme Court's February 2024 judgment.

## TAMIL NADU

### High Price Day Ahead Market 2023-24

- ❖ The report on the short-term power market in India 2023-24 was released by the Central Electricity Regulatory Commission (CERC).
- ❖ CERC had approved the introduction of High Price Day Ahead Market (HP-DAM) in February 2023.



- ❖ The dedicated market segment was introduced to enable high-cost generators, who have otherwise not been able to participate in the day-ahead market due to the existing price ceiling.
- ❖ Tamil Nadu Generation and Distribution Corporation (Tangedco) was the major buyer of electricity from the High Price Day Ahead Market in power exchanges.
- ❖ Total Volume transacted through High Price Day Ahead Market in Indian Energy Exchange was about 32.07 million units (MU) in 2023-24.
- ❖ TANGEDCO accounted for 20.98 MU or 65.43%.
- ❖ TANGEDCO's weighted average purchase power was ₹ 17.65 per unit, as per the report.
- ❖ The State's power demand hit a new record, touching an all-time-high of 20,830 MW on May 2.
- ❖ The daily consumption hit a new high of 454.32 MU on April 30.

**Table-24(d): Major Buyers of Electricity in the High Price Day Ahead Market of IEX, 2023-24**

S.No.	Name of Buyer	State/ Regional Entity	Buy Volume (MU)	Percentage of the Total Volume Transacted in IEX	Weighted Average Buy Price (₹/kWh)
1	TANGEDCO	Tamil Nadu	20.98	65.43%	17.65
2	CESC	West Bengal	4.22	13.15%	16.41
3	APCPDCL	Andhra Pradesh	3.00	9.36%	15.00
4	WBSEDCL	West Bengal	1.70	5.30%	16.92
5	Green Valley Industries Limited	Meghalaya	1.57	4.88%	13.11
6	BSPHCL	Bihar	0.40	1.24%	19.31
7	CSPDCL	Chhattisgarh	0.16	0.49%	19.30
8	Eon Kharadi Infrastructure Private Ltd SEZ 1	Maharashtra	0.05	0.15%	13.74
9	TPCL	Maharashtra	0.001	0.004%	13.80
10	Hills Cement Company Ltd	Meghalaya	0.0001	0.0002%	20.00

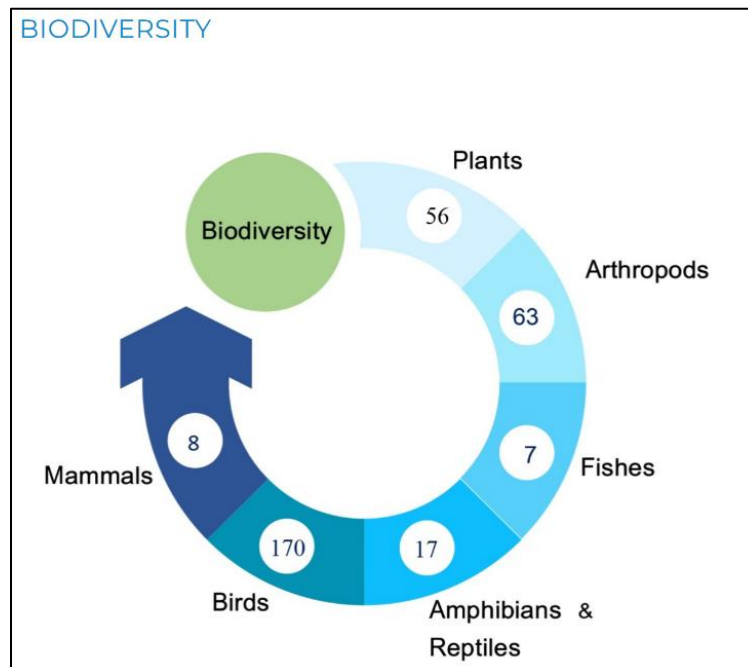
### **'Nipuni' career readiness program**

- ❖ TN Educational department launched "Nipuni", a career readiness programme recently.

- ❖ It was created by Avtar Human Capital Trust (AHCT).
- ❖ This is the Part of the 12th edition of “Udyog Utsav”.
- ❖ The programme aims at equipping college girls with skills to create a self-reliant workforce for corporate India.



## Vaduvur Bird Sanctuary



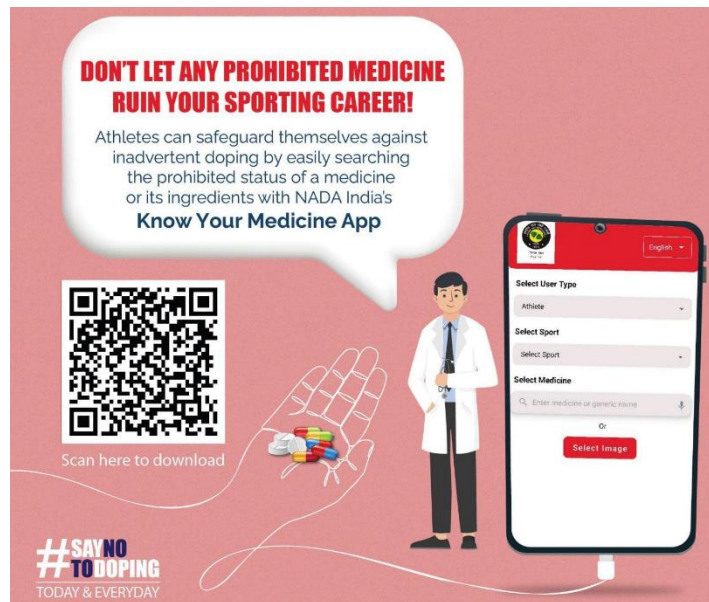
- ❖ The Vaduvur Bird Sanctuary is situated in Thiruvarur District on Thanjavur-Kodiakarai State Highway.

- ❖ It has been cleared of invasive plant species to prepare the habitat for migratory birds.
- ❖ This is a large human-made irrigation tank in this region.
- ❖ Invasive species occupied these areas are such as water hyacinth, Prosopis juliflora, and Ipomoea.

## NATIONAL

### 'Know Your Medicine' App

- ❖ The Centre has launched a nationwide appeal to embrace the National Anti-Doping Agency (NADA) India's 'Know Your Medicine (KYM)' app.
- ❖ It aims to strengthen the fight against doping in sports, urging athletes, coaches, and the entire sporting community.
- ❖ This innovative tool aims to empower athletes with critical information, helping them avoid inadvertent doping and maintain fair play.
- ❖ NADA was established by the Government of India in 2005 to have a dope-free sports.



### Dual Approval Exemption

- ❖ The Union Environment Ministry has released a notification that now allows the 'white category' sector to establish and operate industries without obtaining two major approvals.

- ❖ It has exempted the 'non-polluting' units citing the need to curb the compliance burden.
- ❖ The dual approval contains the compliance of Environmental Clearance (EC) and Consent to Establish (CTE) for setting up of new industries.
- ❖ Industries that are officially deemed as causing minimal or negligible pollution fall in the ministry's white category.
- ❖ There is a total of 39 such industries in the official list mentioned in the gazettes.



## INTERNATIONAL

### Tropical Storm Sara – Honduras

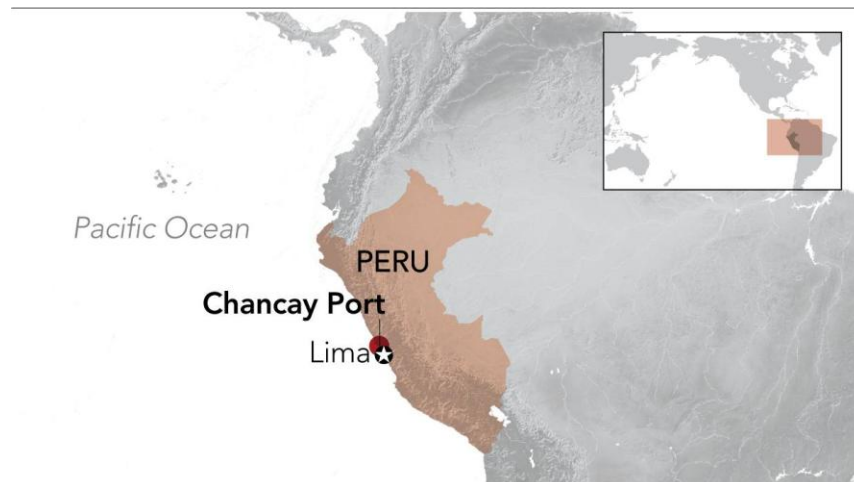


- ❖ Tropical storm, Sara, formed in the western Caribbean Sea made landfall on the northern coast of Honduras.
- ❖ The hurricane season for storms in the Atlantic Ocean, the Caribbean Sea and the Gulf of Mexico officially runs from June 1 to November 30.

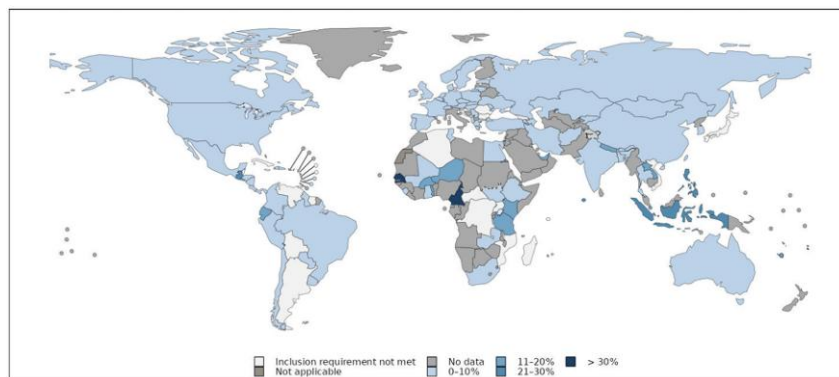
- ❖ Ocean temperatures must reach at least 79 degrees Fahrenheit (26 Celsius) to fuel hurricanes.
- ❖ Based on the 30-year period from 1991 to 2020, November typically sees one tropical storm every year or two.

### **China's Megaport in Peru – Chancay Port**

- ❖ Chinese President Xi Jinping inaugurated a massive deep-water port in Peru, a \$1.3 billion investment by Beijing.
- ❖ China is working for access to neighboring Brazil, where a new railway line is planned to carry Brazilian exports.
- ❖ The rail project is estimated to cost \$3.5 billion.



### **Influenza Trends and Health Advisory 2024**

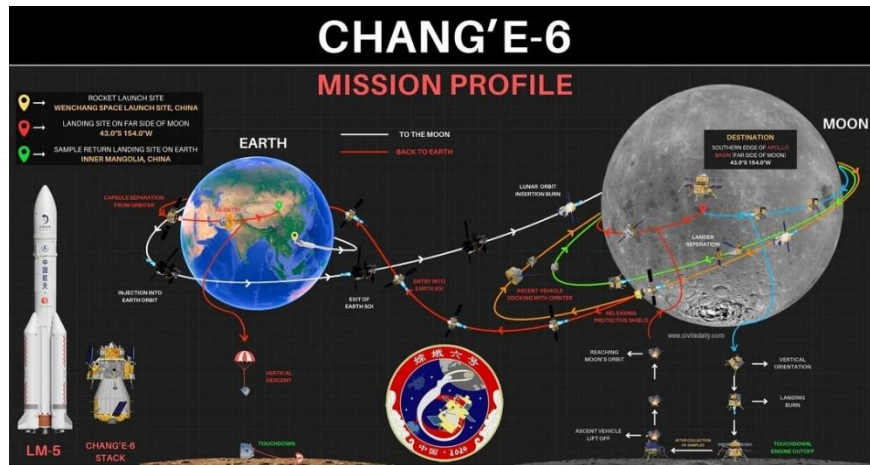


- ❖ Influenza A and B viruses are the primary concern, affecting 75.4% of patients with Influenza-Like Illness.
- ❖ Influenza A (H1N1) accounts for 44% of reported cases.

- ❖ Influenza B and other strains are also present but to a lesser extent.
- ❖ The presence of Respiratory Syncytial Virus (RSV) A and B was noted in 9% of cases, which cause mild illness.

## SCIENCE AND TECHNOLOGY

### Chang'e-6 - Lunar Sample data



- ❖ Scientists have published the first detailed analyses of the lunar soil and rock that China retrieved from the far side of the moon.
- ❖ Volcanic rock contained in the sample dates back 2.8 billion years.
- ❖ It was suggesting the uncrewed mission's landing site was volcanically active at that time.
- ❖ The age of the basalt rock from the far side is more than 3 billion years old.
- ❖ More recent near-side samples collected by China's Chang'e-5 lunar mission in 2020 were found to be 2 billion years old.

## ENVIRONMENT

### Most Greenhouse Gas of world cities 2024

- ❖ Seven states or provinces spew more than 1 billion metric tons of greenhouse gases, all of them in China, except Texas.
- ❖ The Earth's total carbon dioxide and methane pollution grew 0.7% to 61.2 billion metric tons with the short-lived but extra potent methane rising 0.2%.
- ❖ Shanghai's 256 million metric tons of greenhouse gases led all the cities and exceeded those from the nations of Colombia or Norway.

- ❖ China, India, Iran, Indonesia and Russia had the biggest increases in emissions from 2022 to 2023.
- ❖ Venezuela, Japan, Germany, the United Kingdom and the United States had the biggest decreases in pollution.



### **COP 29 - Global Energy Efficiency Alliance**



- ❖ The UAE has unveiled an ambitious initiative to establish the “Global Energy Efficiency Alliance” during COP29.



- ❖ This move aims to double global energy efficiency rates by 2030 and contribute to significant emission reductions.
- ❖ The UAE plans to lead the alliance by sharing its expertise in energy efficiency, fostering knowledge transfer, and building effective partnership models with the private sector.

## IMPORTANT DAYS

### **National Press Day 2024 - November 16**



- ❖ It commemorates the inception of the Press Council of India (PCI), which came into effect on the same date in 1966.
- ❖ The PCI was founded as a statutory body under the Press Council Act of 1965.
- ❖ It aims to ensure the freedom of the press while maintaining journalistic ethics in the country.
- ❖ The council serves as a watchdog for press ethics and ensures that the media operates without undue influence or external pressures.

### **World Day of Remembrance for Road Traffic Victims 2024 - November 17**

- ❖ It was started by Road Peace in 1993.
- ❖ In 2005, the UN endorsed it as a global day to be observed every third Sunday in November each year.

❖ 2024's Theme is "Remember. Support. Act".



**World AMR Awareness Week 2024 - November 18/24**



- ❖ Antimicrobial resistance (AMR) is an increasingly serious threat to global public health.
- ❖ It has significant impacts on human and animal health, food production and the environment.
- ❖ Theme for this year is "Educate. Advocate. Act now".

