

November - 01

TNPSC BITS

- ❖ The RBI Governor Shaktikanta Das earned an 'A+' grade in Central Bank Report Cards 2024 ranking for a second consecutive year.
- ❖ The State Bank of India (SBI) has been named the 'Best Bank in India' for 2024 by Global Finance Magazine.
- ❖ The Royal Saudi Naval Forces had recently concluded a joint naval exercise with the Iranian Naval Forces alongside other countries in the Sea of Oman.
- ❖ Saudi Arabia has begun the construction on the Mukaab, a cube-shaped world's largest structure in Riyadh.
- ❖ Assam's eminent conservation scientist Bibhab Kumar Talukdar was awarded 'The Harry Messel Award' for Conservation Leadership by the Species Survival Commission (SSC) of IUCN.
- ❖ India is going to host the first international Esports championship event, named International Esports Masters.
- ❖ The 20th edition of Jazzmandu, also known as the Kathmandu Jazz Festival was organised across Kathmandu Valley.
- ❖ The 17th Urban Mobility India Conference & Expo-2024 was held in Gandhi Nagar, Gujarat.
 - Bhubaneswar was awarded the title of 'City with the Best Public Transport System' at event.

TAMIL NADU

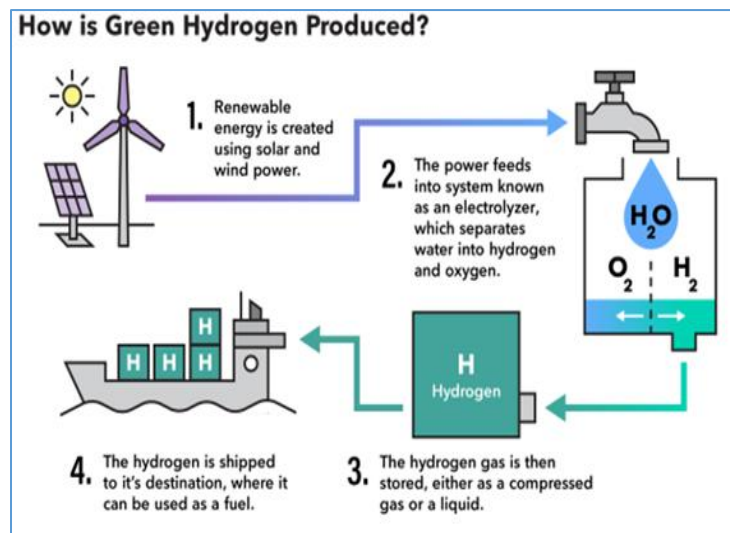
Heatwaves – State specific disaster

- ❖ The State government of Tamilnadu has declared heatwave as a disaster.
- ❖ The States including Chhattisgarh, Odisha, Kerala, Rajasthan, Andhra Pradesh, Maharashtra, and Karnataka have already declared heat waves as a state-specific disaster.
- ❖ The States are not eligible to get financial assistance from the Union government under the Disaster Management Act, 2005 since heatwaves are not currently classified as a national disaster in India.
- ❖ With the declaration, families of heat wave victims would get Rs 4 lakh relief.
- ❖ The government will use the State Disaster Response Fund to support these efforts.

- ❖ Tamil Nadu has a long coastline where the humidity goes up during the summer months.
- ❖ Cities like Madurai, Tiruchy, Vellore, Namakkal, Dindigul and Krishnagiri have barren rocky hillocks which absorb and reflect heat even at nights.
- ❖ In April and May 2024, Erode and Karur recorded a temperature of above 40-degree Celsius on 31 and 26 days respectively.
- ❖ Vellore and Tirupattur recorded high temperatures on 23 and 21 days each.

Heat wave Scenario	40°C	30°C
Maximum Temperature	Plains	Hills
Heat wave conditions prevail when...	Severe heat wave conditions prevail when....	
Normal maximum temperature	Normal maximum temperature	Normal maximum temperature
Deviation from normal	Deviation from normal	Deviation from normal
Above	Above	Above
40°C	4-5°C or more	40°C
At or below	At or below	At or below
40°C	5-6°C or more	40°C
		6°C or more
		7°C or more

Additional power demand of 7,000 MW



- ❖ The Union Ministry of New and Renewable Energy (MNRE) green hydrogen/green ammonia manufacturing is planned in the coastal areas of Odisha, West Bengal, Gujarat, Andhra Pradesh, Tamil Nadu (Tuticorin) and Karnataka

- ❖ Tamil Nadu would see an additional electricity demand of 7,000 MW on account of green hydrogen/green ammonia production.
- ❖ Overall electricity demand likely by 2026-27 on account of green hydrogen/green ammonia production is about 10,500 MW.
- ❖ Out of this 1,500 MW would be from Tamil Nadu.

NATIONAL

NCPDR report on Child marriage



- ❖ As per National Commission for Protection of Child Rights (NCPDR) report, more than 11 lakh children vulnerable to child marriage in 2023-24.
- ❖ Uttar Pradesh, Tamil Nadu, and Andhra Pradesh emerge as leaders in the fight against child marriage.
- ❖ Uttar Pradesh, with more than 5,00,000 such children, showed a strong response in addressing this issue, followed by States such as Madhya Pradesh and Odisha.

TATA Aircraft Complex

- ❖ India and Spani jointly inaugurated the TATA Aircraft Complex for manufacturing C-295 aircraft in Gujarat's Vadodara.
- ❖ A total of 56 aircraft are there under the C-295 programme.

- ❖ 16 are being delivered directly by the aircraft manufacturing company Airbus from Spain, and the remaining 40 will be built at the facility.

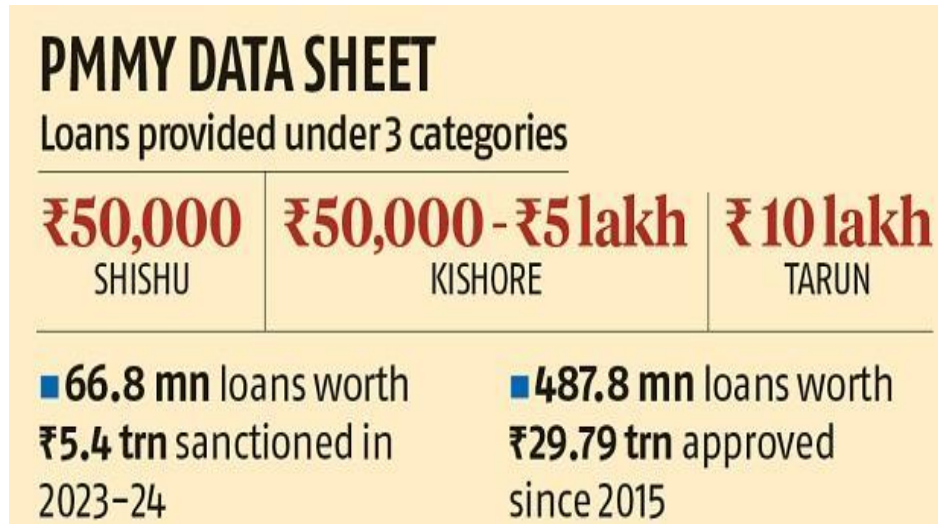


Mudra loans 2024 update

- ❖ The government doubled the limit of Mudra loan amount under the Pradhan Mantri Mudra Yojana (PMMY) to promote entrepreneurship in the country.
- ❖ It was hiked to Rs 20 lakh from Rs 10 lakh under a new 'Tarun Plus' category.



- ❖ It was launched on April 8, 2015 to facilitate easy, collateral-free micro-credit of up to ₹10 lakh to non-corporate, non-farm small and micro-entrepreneurs for income-generating activities.
- ❖ 66.8 million loans were sanctioned under PMMY in 2023-24, amounting to Rs 5.4 trillion.



Pandemic Fund Project 2024

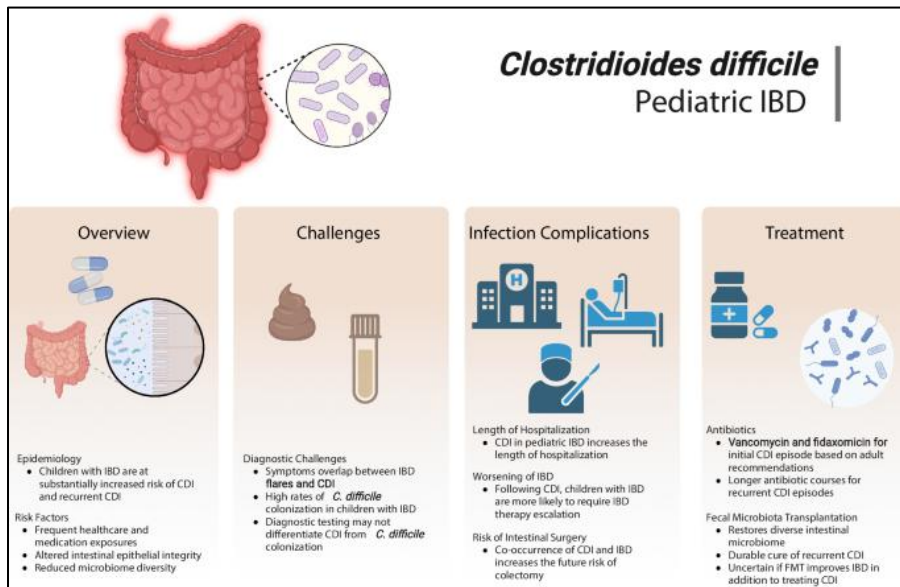
Launch
Pandemic Fund Project
Animal Health Security Strengthening in
India for Pandemic Preparedness and Response
&
21st Livestock Census Operation

- ❖ The Centre will implement \$25-million G20 Pandemic Fund to develop a holistic health coverage for livestock.
- ❖ It is designed to enhance the country's "animal health security" by upgrading and expanding animal health laboratories and developing laboratory networks.
- ❖ It will create a more integrated system for monitoring and managing "zoonotic" diseases.

- ❖ The Fund is to be implemented in partnership with the Asian Development Bank (ADB), the World Bank and the Food and Agriculture Organization (FAO).

SCIENCE AND TECHNOLOGY

Clostridioides difficile Vaccine



- ❖ Researchers have developed the first successful mRNA vaccine against the highly contagious and difficult-to-treat *Clostridioides difficile* bacteria.
- ❖ *C. difficile* causes an infection of the colon, the longest part of the large intestine.
- ❖ The infection often occurs after antibiotic use and mainly affects older adults in hospitals or long-term care settings.
- ❖ Roughly one-third of infected individuals will have recurrent infections.

ENVIRONMENT

New genus of jumping spiders

- ❖ Arachnologists have discovered a new genus of jumping spiders, 'Tenkana', found across southern India, encompassing two previously known species.
- ❖ It also introduced a new species, *Tenkana jayamangali*, from Karnataka.
- ❖ This new group belongs to the Plexippina subtribe of jumping spiders.
- ❖ But it is different from related groups such as *Hyllus* and *Telamonia*.

- ❖ Two species that were previously in *Colopsus* have now been moved to the new genus.
- ❖ They are *Tenkana manu* (found in south India and Sri Lanka) and *Tenkana arkavathi* (from Karnataka).
- ❖ *Tenkana jayamangali* for the first time, named after the Jayamangali river in Karnataka.



Asiatic Golden Cat

Range
South East Asia
Size
Up to 16 kg
Status
Near Threatened



Asiatic Golden Cat
(*Catopuma temminckii*)

- ❖ The Asiatic golden cat (*Catopuma temminckii*) has been seen in Assam's Manas National Park.
- ❖ The last direct appearance was witnessed in 2007.
- ❖ Its distribution range spans the northeastern Indian subcontinent, Southeast Asia, and southern China.

- ❖ The species is protected under Scheduled-I of India's Wildlife (Protection) Act, 1972
- ❖ IUCN listed it as 'Near Threatened' in its Red List.

New Eco-sensitive zones 2024

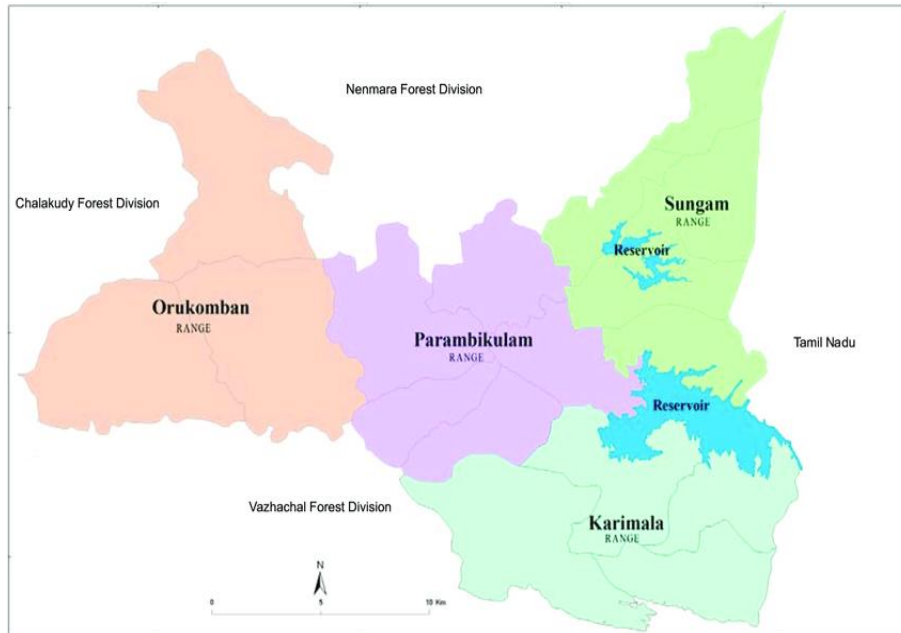


- ❖ Namdapha National Park & Tiger Reserve and Kamlang Wildlife Sanctuary & Tiger Reserve in Arunachal Pradesh have been designated as Eco-Sensitive Zones (ESZ).
- ❖ Namdapha Tiger Reserve, originally designated as a reserve forest, was declared a Wildlife Sanctuary in 1972.
- ❖ It became a National Park in 1983 and later a Tiger Reserve under the Project Tiger Scheme.
- ❖ The Kamlang River flows through the Kamlang Wildlife Sanctuary.
- ❖ The sanctuary is crucial for the protection of species like the Hoolock gibbon and hornbills.
- ❖ In February 2024, Pakke Tiger Reserve was included in the same ESZ category.

Restoration effort by Kadar Tribe

- ❖ In a first, the Kadar tribe of Vazhachal, Kerala, has taken on active restoration of natural forests degraded by invasive alien species.
- ❖ A total of 29 and 31 invasive species had been recorded in these divisions.
- ❖ The Kadars are an indigenous community residing primarily in the forests of Kerala and Tamil Nadu.

- ❖ The Kadar tribe is classified as a particularly vulnerable tribal group (PVTG).
- ❖ Their name, “Kadar,” is derived from the word “kaadu,” which means forest in Tamil and Malayalam.
- ❖ They speak a Dravidian language known as Kadar or Kadars, which is influenced by Tamil and Malayalam.
- ❖ They continue to depend heavily on forest produce for their livelihood.



REPORTS AND INDICES

Rule of Law Index 2023

South Asia													
Regional Rank	Country/Jurisdiction	Overall Score*	Annual % Change in Overall Score*	5-year % Change in Overall Score*	Global Rank	Change in Global Rank†	Regional Rank	Country/Jurisdiction	Overall Score*	Annual % Change in Overall Score*	5-year % Change in Overall Score*	Global Rank	Change in Global Rank†
1/6	Nepal	0.52	-0.9%	-2.2%	71	0	4/6	Bangladesh	0.38	-1.5%	-6.2%	127	2 ▲
2/6	Sri Lanka	0.50	-0.5%	-5.2%	77	1 ▼	5/6	Pakistan	0.38	-2.3%	-4.2%	130	1 ▲
3/6	India	0.49	-0.7%	-4.8%	79	0	6/6	Afghanistan	0.32	-4.0%	-8.3%	140	0

- ❖ The latest index, released by the World Justice Project (WJP), shows that India ranked 79th out of 142 countries.
- ❖ Nepal (69) and Sri Lanka (75) are ahead of India.

- ❖ Denmark topped in the list, and followed by Norway, Finland and Sweden.
- ❖ Bangladesh ranked at 127th and Pakistan at 129th and Afghanistan at 140th.
- ❖ Venezuela got the lowest rank and placed at 142.
- ❖ World Justice Project (WJP) is an international civil society organization based on USA.

MISCELLANEOUS

Sohrai Paintings

- ❖ Indian Prime Minister presented a Sohrai painting to Russian president Vladimir Putin during the BRICS summit.
- ❖ Sohrai paintings is recognised as a one district one product item from Hazaribag, Jharkhand.
- ❖ They are crafted by women artists during festivals and harvest seasons.
- ❖ It is made by using natural pigments and simple tools like twigs, rice straw, and fingers.

