TNPSC BITS

❖ Ravindran Kumeran, a senior consultant gastrointestinal surgeon at Apollo First Med Hospital, Chennai, was recently honoured with the very prestigious Global Medical Excellence Award in Bariatric Surgery at London.

❖ The Tamil Nadu government has issued an order enhancing the solatium to ₹10 lakh for the kin of journalists who died during service.

❖ The Tamil Nadu government has granted permission to the Centre for Aerospace Research (CASR) to conduct the drone trials for Swarm Drones at the Ulundurpet Airstrip for a period of 6 months.

❖ Madhya Pradesh's very famous Baiga tribal artist Jodhaiya Bai, a Padma Shri recipient (2023), died recently.

❖ Bharti Airtel has become the first private telecom operator to launch the mobile services in around seven border villages of Kupwara, Baramulla and Bandipore districts of Jammu and Kashmir.

TAMIL NADU

Increasing power demand in Tamilnadu

❖ The 660-MW Ennore Thermal Power Station (ETPS) expansion project would help to ensure grid stability and increase power generation.

❖ The State's power demand is increasing by 10% every year.

- With 11,000 MW of the wind energy capacity, Tamil Nadu ranks second in the country.

- In terms of the solar energy capacity, the State ranks third with a capacity of 9,400 MW.

- The State has set a target of adding additional green energy capacity of 100 billion units by 2030.

- It has set a target that 50% of its energy needs should be met by green energy by 2030.

- The Tamil Nadu Green Energy Company Ltd oversees the state's green energy initiatives.

Framework for management of community dog population

Dealing with a menace

The State Planning Commission's draft 'Dog Policy' for Tamil Nadu recommends comprehensive measures, including responsible ownership and upgrade to animal housing infrastructure, to tackle the rising risk of dog bites.

- As per the 20th livestock census, there are **12.96 lakh** dogs, including 4.41 lakh community dogs, in Tamil Nadu

3,30,264 cases
Tamil Nadu ranks second in the country in dog bite cases

Since 2018, **11,80,515 doses** of anti-rabies vaccines have been administered and **59,853 dogs** have been sterilised (**56,639 castrations and 3,214 spayings**)

- The policy is aimed at addressing the **complexities** in managing community dogs in Tamil Nadu. It recommends a **humane approach** and promotes responsible ownership

- The policy also provides inputs for strengthening animal housing infrastructure, including mobile surgical units, and shares insights on capacity building in human resources

- State Planning Commission's draft **'Dog Policy'** for Tamil Nadu finds that dog bites and **rabies** cases are rapidly increasing, posing risk to humans, especially children and women

- The policy also suggests communities to participate in **feeding practices** at designated areas, support adoption programmes, and engage in **awareness activities**, in line with the Animal Birth Control rules

- The Tamil Nadu State Planning Commission (SPC) has released a comprehensive draft policy framework for community dog management and regulation.

- It aims to address the challenges posed by the growing dog population in the State and ensuring public health and safety.

- The policy outlines a strategic approach to manage the dog population in a humane, effective, and sustainable manner.

- ❖ An anti-rabies mass vaccination drive should be conducted on dedicated days to combat rabies in community dogs.
- ❖ Vaccinated animals can be easily identified by marking them to ensure that there is no duplication or omission.
- ❖ It suggests to establish a mobile operation facility is essential to ensure that even local bodies in the distant places can access the periodic animal birth control programmes.
- ❖ The registration of all pet dogs is imperative to promote responsible pet ownership and address dog abandonment.

One Health initiatives

- ❖ The 'One Health and Climate Change' Tamil Nadu symposium was recently held in Chennai.
- ❖ Tamil Nadu launched the 'One Health' logo and released an introductory booklet – 'One Health and Climate Change: A Tamil Nadu Perspective'.
- ❖ The government is taking steps to increase the green cover in Tamil Nadu to 33%.
- ❖ The State had recently declared heatwaves a State-specific disaster.

## Micro wind turbine in Tamilnadu

- ❖ The new integrated bus terminus (IBT), coming up at Panjapur on the Tiruchi-Madurai Highway, will have a wind tree.
- ❖ This 30-foot-tall micro wind turbine is designed to mimic trees, generating the electricity.

- ❖ Unlike the traditional wind turbine, which requires the wind velocity of 7 km per hour to generate electricity, the wind tree can do it with wind velocity of just 2.5 km per hour.

- ❖ The wind tree will have 10 KW capacity per hour, thereby generating 240 KW of power in a day.

- ❖ It will be the first wind tree in these parts of the region.

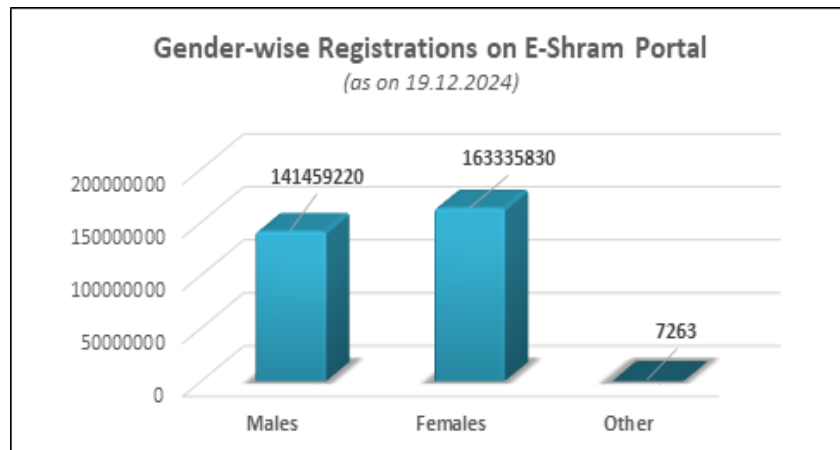# NATIONAL

Protected Area Regime 2024
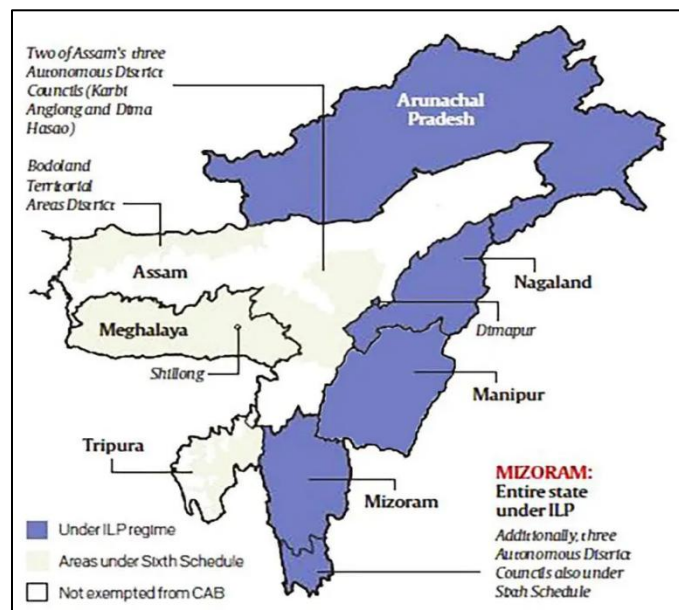
- ❖ The Union Home Ministry has reimposed the Protected Area Regime (PAR) in Manipur, Nagaland, and Mizoram to monitor the movement of foreigners.

- ❖ The Foreigners visiting the three northeastern States would have to seek prior permission and special permits from the government.

- ❖ They are also required to obtain the necessary Protected Area Permits (PAP) in accordance with the Foreigners (Protected Areas) Order, 1958

- ❖ The relaxation has been withdrawn after a gap of 14 years.

- ❖ The PAR was initially relaxed for a year in 2010 in the three States bordering Myanmar and subsequently the duration of the order was extended for five years.

- ❖ The latest PAR order was issued on December 16, 2022 and was valid till December 2027.

E-Shram Portal registration 2024

- ❖ Over 30 crore labourers have registered on the e-Shram portal in the last three years.

- ❖ In 2014-15, 15.84 crore people had registered but the number has gone up to over 29 crores in 2023-24.

- ❖ The E-Shram Portal, to support and empower the unorganized workforce, was Launched by the Ministry of Labour and Employment on 26th August 2021.

- ❖ By December 19, 2024, the E-Shram portal has 30,48,02,313 registrations.

- ❖ Thus, it has emerged as the world's largest database of unorganized workers.

Gender-wise Registrations on E-Shram Portal
(as on 19.12.2024)

	Males	Females	Other
	141459220	163335830	7263

INTERNATIONAL

Biden's pardoning act – USA

- ❖ The President Joe Biden is commuting the sentences of roughly 1,500 people who were released from the prison and placed on the home confinement during the coronavirus pandemic.

❖ He also pardoned 39 Americans convicted of nonviolent crimes.

❖ It's the largest single-day act of clemency in modern history.

❖ The second largest single-day act of clemency was by Barack Obama, with 330, shortly before leaving office in 2017.

Biden commutes roughly 1,500 sentences and pardons 39 people in biggest single-day act of clemency

ECONOMY

India's Alternative Assets Market 2024

India's Alternative Investment Market Set for Explosive Growth, Projected to Hit
$2 Trillion by 2034
Current Market Size: $400 billion
$130 billion from SEBI-registered AIFs
$270 billion from other funds

❖ India's alternative assets market will grow five-fold to $2 trillion by 2034

❖ It was referring to investment options outside of traditional investments such as stocks, bonds and cash.

❖ The market has $400 billion in assets under management (AUM).

❖ Globally, the alternatives have seen their share double from 10 per cent to 20 per cent of total global AUM between 2005 and 2020.

Indian Medtech sector 2024

The export of medical devices sector has been growing at a CAGR of 9-11% over the last 5 years. India's expected export of medical devices will reach ~ $10 Bn by 2025.

Source: investindia.gov.in

INDIAN MEDICAL DEVICE MARKET
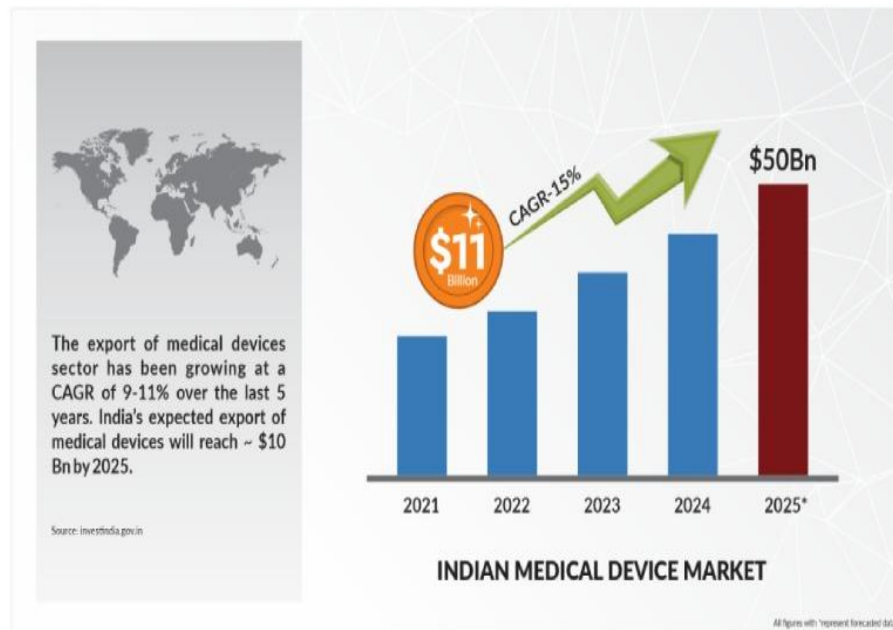
❖ The 21st Health Summit of the Confederation of Indian Industry (CII) was held under the theme of "Transforming Healthcare for Viksit Bharat 2047".

❖ The Indian medical devices sector is estimated to be around $14 billion and it is expected to grow to $30 Billion by 2030.

❖ India is the fourth largest medical devices market in Asia after Japan, China, and South Korea.

❖ Also, India is among the top 20 global medical devices markets in the world.

❖ The Scheme for Promotion of Medical Devices Parks was launched with a ₹400 crore outlay, providing ₹100 crore each to Uttar Pradesh, Tamil Nadu, Madhya Pradesh, and Himachal Pradesh for infrastructure development.

Global Remittances for 2024

❖ India retained the number one spot of being the country which saw the maximum amount of monetary inflow - $129 billion - from its diaspora.

❖ India's remittances alone are nearly as much as the annual budgets of Pakistan ($67 billion) and Bangladesh ($68 billion) combined.

- ❖ It is also nearly double that of Mexico, which took the second spot on the highest remittances list.

- ❖ In this, Mexico came second with $68 billion; China came third at $48 billion, the Philippines came fourth at $40 billion, and Pakistan came fifth at $33 billion.

- ❖ India has steadily been receiving remittances of more than $100 billion each year for the last five years, except 2020.

- ❖ In the last 10 years, India's overall remittances grew by 57 per cent.

- ❖ In total, between 2014 and 2024, India has received nearly $1 trillion US dollars ($982 billion) only in remittances.

India's remittances are almost equal to the combined annual budgets of Pakistan ($67 billion) and Bangladesh ($68 billion)

Total amount (US $ Billion)

Country	Total amount (US $ Billion)
India	129.1
Mexico	68.2
China	48
Philippines	40.2
Pakistan	33.2
Bangladesh	26.6
Egypt	22.7
Guatemela	21.6
Nigeria	19.8
Uzbekistan	16.6

REPORTS AND INDICES

Travel and Tourism Development Index 2024

- ❖ The Travel and Tourism Development Index (TTDI) was published by the World Economic Forum (WEF),

- ❖ India is ranked 39th among 119 countries.

- ❖ In the previous index published in 2021, India was ranked 54th.

- ❖ However, due to a revision in the WEF's methodology, India's 2021 rank was adjusted to 38th place.

- ❖ The top 5 countries in the 2024 edition are the United States, Spain, Japan, France and Australia.

❖ Out of the top 30 index scorers in 2024, 19 are based in Europe, seven are in Asia-Pacific, three are in the Americas and one (UAE) is in the Middle East and North Africa region (MENA).

Travel & Tourism Development Index 2024

Top 10 economies for enabling Travel and Tourism development

WORLD ECONOMIC FORUM

	Economy	Score
1	United States	5.24
2	Spain	5.18
3	Japan	5.09
4	France	5.07
5	Australia	5.00
6	Germany	5.00
7	United Kingdom	4.96
8	China	4.94
9	Italy	4.90
10	Switzerland	4.81

Global average

3.96   7.0

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