

April - 29

TNPSC BITS

- ❖ The Prime Minister's Award for Excellence in Public Administration, 2022, was conferred to the Department for Promotion of Industry and Internal Trade (DPIIT) for the successful implementation of 'PM Gati Shakti National Master Plan' programme.
- ❖ Amara Raja-backed Log9 Materials inaugurated the country's first lithium-ion cell manufacturing facility in Bengaluru.
- ❖ Union External Affairs Minister co-chaired the 4th India-CARICOM ministerial meeting with his Jamaican counterpart in Georgetown, Guyana.
 - Caribbean Community (CARICOM) is an intergovernmental organisation that is a political and economic union of 15 member states.
- ❖ International Dance Day is observed on 29 April every year to celebrates the birthday of famous French dance artist Jean-Georges Noverre, who was born in 1727.

NATIONAL

10,000 km of Optic Fibre Cables



National Highways Authority of India

- ❖ The National Highways Authority of India (NHAI) is to Develop 10,000 km of Optic Fibre Cables Across India by FY 2025.
- ❖ This move is aimed at providing internet connectivity to remote locations and expediting the roll-out of new-age telecom technologies like 5G & 6G.
- ❖ National Highways Logistics Management Limited (NHLML) will be implementing the network of digital highways.

- ❖ NHA has identified around 1,367 km on Delhi-Mumbai Expressway and 512 km on Hyderabad-Bangalore Corridor as pilot routes.

Asia's Longest Underwater Hydrocarbon Pipeline

- ❖ The longest underwater hydrocarbon pipeline in Asia runs beneath the Brahmaputra.
- ❖ This world's second-longest pipeline connects the river island Majuli with Jorhat in upper Assam.
- ❖ The laying of 24-inch diameter and 5780-metre-long pipeline was completed by the Indradhanush Gas Grid Limited (IGGL).



INTERNATIONAL

Operation Kaveri



- ❖ India's "Operation Kaveri" was launched to evacuate Indians stuck inside war-torn Sudan.

- ❖ The government is making the most of a 72-hour ceasefire window to bring out about 3,000 civilians.
- ❖ The operation, which involves the Indian Air Force and the Indian Navy, is being coordinated by the Ministry of External Affairs.

Exercise INIOCHOS-23

- ❖ The Exercise INIOCHOS-23, a multi-national air exercise hosted by the Hellenic Air Force (Greece).
- ❖ The Indian Air Force will be participating with four Su-30 MKI and two C-17 aircraft.
- ❖ The objective of the exercise is to enhance international cooperation, synergy and interoperability amongst the participating Air Forces.



Markets in Crypto Assets (MiCA)

CENTRALLY ORGANISED		DECENTRALLY ORGANISED
EXCHANGES, MTF'S, OTF'S, OTC	CRYPTO EXCHANGES	DECENTRALISED EXCHANGES (DEX)
SECURITIES	CRYPTO-ASSETS	CRYPTO-ASSETS & SECURITIES
<ul style="list-style-type: none"> › Intermediaries subject to Regulation › Regulation should mitigate Risks › EU/EEA harmonized regulation, allows passporting to the European singlemarket 	<ul style="list-style-type: none"> › Intermediaries subject to Regulation › Regulation should mitigate Risks › National Laws, therefore no passporting! › See draft of MiCa 	<ul style="list-style-type: none"> › Absence of Intermediaries no subject to regulate › Risks are mitigated through technical design › Less legal certainty!

- ❖ The European Parliament has approved the world's first set of comprehensive rules.

- ❖ It aims to bring largely unregulated cryptocurrency markets under the ambit of regulation by government authorities.
- ❖ The European Parliament is the legislative body of the 27-country block European Union.
- ❖ The regulation is called the Markets in Crypto Assets (MiCA).
- ❖ It will come into force after formal approval by member states.
- ❖ About 22% of the global crypto industry was concentrated in central, northern, and western Europe.
- ❖ They received \$1.3 trillion worth of crypto assets.
- ❖ MiCA will impose compliance on the issuers of crypto assets, who are defined as the “legal person who offers to the public any type of crypto-assets”.
- ❖ It will apply to crypto-asset service providers (CASPs) providing one or more of these services.

SCIENCE AND TECHNOLOGY

Nagastra 1



- ❖ The Indian Army signed a contract to purchase more than 450 completely indigenous Nagastra-1 loitering munitions.
- ❖ Nagastra-1 loiter munition has advanced features such as abort, recover, and reuse capabilities.

- ❖ It is superior to similar systems developed by more technologically advanced countries.

Sea-based Endo-Atmospheric Interceptor

- ❖ DRDO and Indian Navy has successfully conducted a maiden flight trial of a sea-based endo-atmospheric interceptor missile.
- ❖ The purpose of the trial was to engage and neutralize a hostile ballistic missile threat.
- ❖ This success elevates the country into the elite club of nations having Naval Ballistic Missile Defence (BMD) capability.
- ❖ Prior to this, DRDO has successfully demonstrated land-based BMD system with capability to neutralize ballistic missile threats from opponents.

BALLISTIC MISSILE DEFENCE	
<ul style="list-style-type: none"> ➤ Aim is to provide an effective missile shield against incoming enemy nuclear missiles 	<ul style="list-style-type: none"> ➤ A hostile missile needs to be intercepted at boost (launch) point, mid-course (flight through space), or terminal phase (during atmospheric descent)
BMD systems usually consist of:	
<ul style="list-style-type: none"> ➤ Overlapping network of early-warning & tracking radars ➤ Reliable command and control posts 	<ul style="list-style-type: none"> ➤ Land- & sea-based batteries of advanced interceptor missiles
Only handful of countries like US, Russia, China & Israel have effective BMD systems	But no system is 100% full-proof

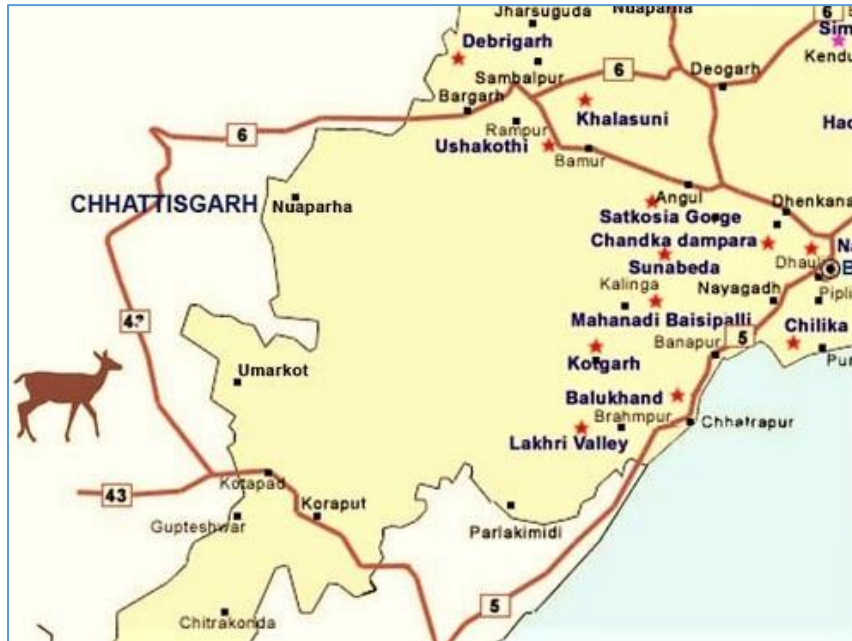


ENVIRONMENT

Indian skimmers in Satkosia wildlife sanctuary

- ❖ Breeding of Indian Skimmers has been recorded for the first time in Satkosia wildlife sanctuary, Odisha.
- ❖ The Indian Skimmers usually arrive at Satkosia in November and leave by March second week.
- ❖ The Indian Skimmer is native to India, Bangladesh, Myanmar, Nepal, Pakistan and Vietnam.
- ❖ Their last breeding in the Mahanadi River stretch was recorded years back in Munduli area.

- ❖ Recent surveys estimate the population of Skimmers in Bangladesh and India at just 3,000 to 3,500 respectively.



STATES

India's first heavy lift drone

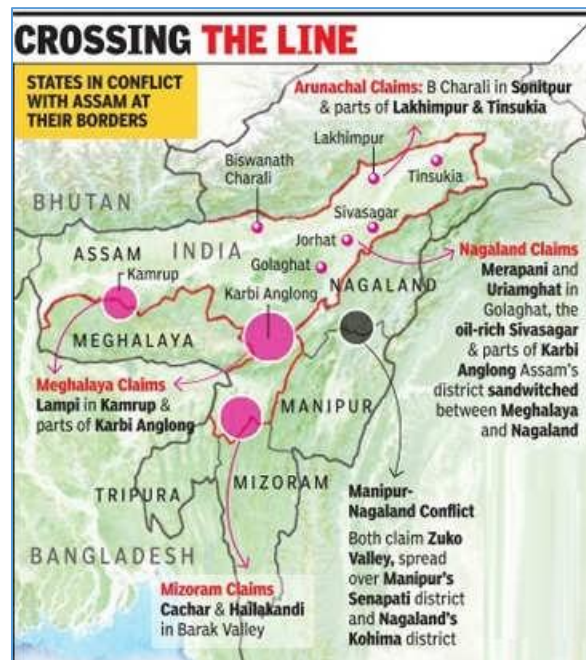


- ❖ Odisha Chief Minister launched the first of its kind heavy lift logistics drone.
- ❖ It is made by Odisha-based start-up 'BonV Aero'.
- ❖ It has the capacity to transport 50 kg over 10 kms.

- ❖ In its next phase, the startup aims to develop its flagship platform 'RM002' that can transport 200 kilograms of freight over 40 kilometres.

Assam-Arunachal Pradesh Border Disputes Pact

- ❖ Assam and Arunachal Pradesh signed a memorandum of understanding (MoU) to end a 51-year-old inter-state border dispute.
- ❖ The dispute in question is over 123 villages that stretch across 12 districts of Arunachal Pradesh and eight of Assam.
- ❖ This dispute was going on since 1972 has been resolved permanently.
- ❖ Under the agreement, both the states have agreed that this agreement will be final with regards to these 123 disputed villages.
- ❖ Further, neither of the states will make any new claim related to any area or village in future.
- ❖ Assam and Arunachal Pradesh share an 804.1 km long boundary.



PERSONALITIES, AWARDS, AND EVENTS

Gallantry award to 1st women Air Force officer

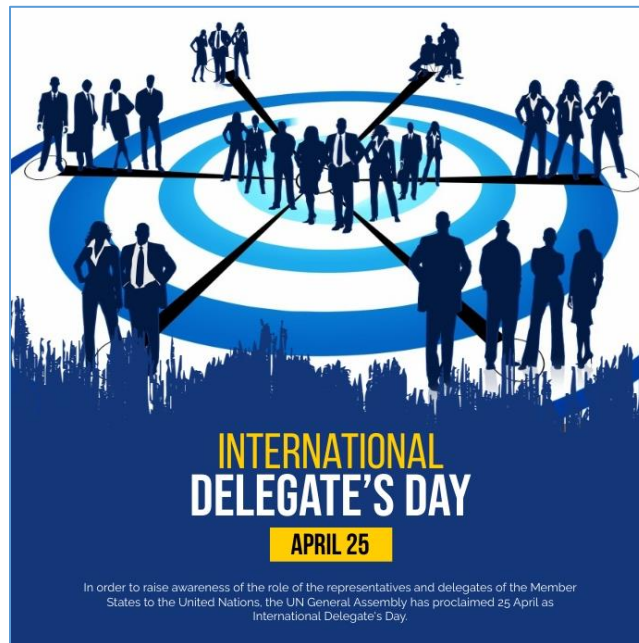
- ❖ The Wing Commander Deepika Misra was conferred the Vayu Sena medal by Indian Air Force (IAF).
- ❖ This is making her the first woman Air Force officer to receive a gallantry award.

- ❖ This was for an act of “exceptional courage” displayed during a flood relief operation in Madhya Pradesh and Rajasthan.
- ❖ She was among 58 personnel who received the gallantry award during the investiture ceremony held in New Delhi.



IMPORTANT DAYS

International Delegate's Day - April 25



- ❖ It aims to raise awareness of the role of the representatives and delegates of Member States to the United Nations.

- ❖ Delegates from 50 countries came together in San Francisco on April 25, 1945.
- ❖ On June 26, 1945, two months after the first meeting, the 50 countries signed the United Nations Charter.
- ❖ On April 2, 2019, the United Nations General Assembly designated this day.

International Astronomy Day - April 29

- ❖ International Astronomy Day is observed two times a year.
- ❖ While one is celebrated in Spring and the other one is in Autumn.
- ❖ The Spring Astronomy Day falls on April 29, 2023.
- ❖ The first Astronomy Day was celebrated in 1973 by the Astronomical Association of Northern California.



WHEN IS ASTRONOMY DAY?

Spring Autumn

YEAR	ASTRONOMY DAY	1ST QUARTER MOON
2022	May 7	May 6
	October 1	October 2
2023	April 29	April 27
	September 23	September 22

International Sculpture Day - April 29



- ❖ This day is observed on the last Saturday of April every year.
- ❖ It was established by the International Sculpture Centre.



- ❖ It aims to raise awareness, appreciation and enjoyment of sculpture in communities across the globe.

