

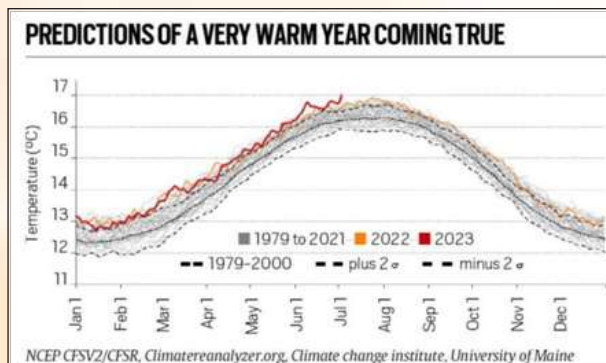
### NATIONAL

#### 1. Hottest day

**Why in news** – July 4 has been measured to be the hottest day for the earth ever.

#### Key Points –

- Average temperature on July 4 - 17.18OC.
- Reported by - Climate Reanalyzer project of the University of Maine, USA.
- Earlier, the hottest daily temperature happened to be 16.92OC recorded in August 2016.
- Both hottest temperature has been measured in an El Nino year.
- El Nino effect - trigger more extreme heat in many parts of the world and in the ocean.



#### 2. El Nino

**Why in news** – On July 4, the World Meteorological Organisation (WMO) announced the formal onset of the El Nino phase in the eastern equatorial Pacific Ocean.

#### Key Points –

- An abnormal warming of sea surface waters in the Pacific.
- **Normal Conditions** –
  - a) a surface low pressure develops in the region of northern Australia and Indonesia and a high-pressure system over the coast of Peru.
  - b) as a result, the trade winds over the Pacific Ocean move strongly from east to west.
  - c) trade winds carry warm surface waters westward, bringing convective storms (thunderstorms and rain) to Indonesia and coastal Australia.
  - d) along the coast of Peru, cold bottom cold

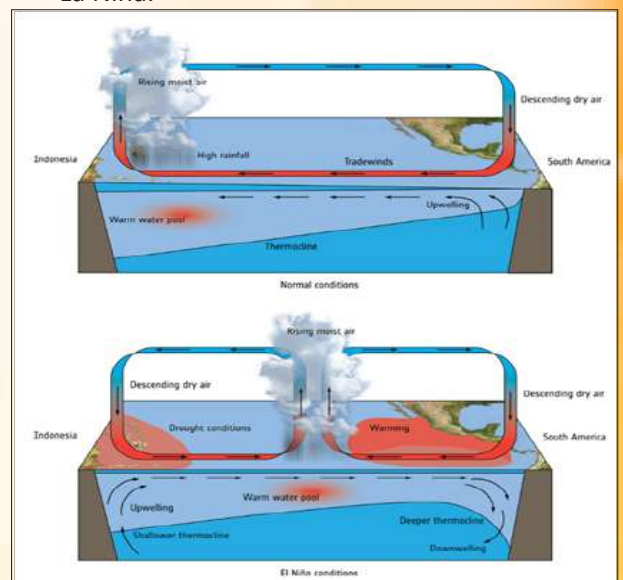
nutrient-rich water wells up to the surface to replace the warm water that is pulled to the west.

#### • El Nino year –

- air pressure drops over large areas of the central Pacific and along the coast of South America.
- it is replaced by a weak high in the western Pacific (the southern oscillation). It causes the trade winds to be reduced (Weak Walker Cell). Sometimes Walker Cell might even get reversed.
- it allows the equatorial counter-current (current along doldrums) to accumulate warm ocean water along the coastlines of Peru and Ecuador. (cuts off the upwelling).
- Severe droughts occur in Australia, Indonesia, India and southern Africa.
- Heavy rains in California, Ecuador, and the Gulf of Mexico.

#### Value Addition -

- Episodes of El Niño and La Niña typically last nine to 12 months.
- Occur every 2-7 year on average, but they don't occur on a regular schedule.
- Generally, El Niño occurs more frequently than La Niña.



#### 3. International Tracked Packet Service (ITPS)

**Why in news** – India Post entered into an agreement with Canada Post to introduce International Tracked Packet Service (ITPS).

### Key Points –

- Aim - to facilitate e-commerce exports between the two countries.
- Benefit - e-commerce exporters including MSMEs, small businesses, merchants, etc can exports their products using local post offices.
- India Post already provides this service with 38 partner countries (Canada - 39th).

## ECONOMY

### 1. Internationalisation of rupee

**Why in news –** RBI's inter-departmental group (IDG) said the rupee has the potential to become an internationalized currency.

### Key Points –

- **Meaning –**
  - a) increasing the use of the rupee in cross-border transactions (import and export trade).
  - b) transactions between residents in India and non-residents.
  - c) Settling current account and capital account transactions.
- **Requirements –**
  - a) opening up of the currency settlement
  - b) strong swap and forex market
  - c) full convertibility of the currency on the capital account. (India - full convertibility on current a/conly).
  - d) history of macroeconomic stability.
- **Advantages –**
  - a) mitigates currency risk (volatility) for Indian businesses
  - b) reduces the need for holding foreign exchange reserves
  - c) less vulnerable to external shocks.
- **Recommendations –**
  - a) opening of the rupee accounts for non-residents both in India and outside India.
  - b) integrating Indian payment systems with other countries for cross-border transactions
  - c) global 24x5 rupee market
  - d) recalibration of the FPI (foreign portfolio investor) regime

e) inclusion of the rupee in IMF's SDR (special drawing rights).

- Favourable reasons for India - fastest-growing economy, remarkable resilience in the face of major headwinds, economic sanctions imposed by the US on Russia.

### Value Addition –

- Leading reserve currencies - US dollar, the Euro, the Japanese yen and the pound sterling.
- The value of the SDR is based on a basket of 5 currencies — the U.S. dollar, the euro, the Chinese renminbi, the Japanese yen, and the British pound sterling.

## SUMMITS & CONFERENCES

### 1. International Conference on Green Hydrogen (ICGH-2023)

**Why in news –** The 3-day ICGH-2023 was organized on July 5 - 7 2023 in New Delhi.

### Key Points –

- Inaugurated by - R. K. Singh.
- Organized by - Ministry of Power and New and Renewable Energy).
- India is the only major economy to source 40% of its energy from non-fossil fuel sources 9 years ahead of the target of 2030.
- India's per capita carbon emissions are about 1/3 of global average.

### National Green Hydrogen Mission –

#### • Target –

- a) to produce at least 5 Million Metric Tonnes (MMT) of Green Hydrogen per annum by 2030. (to reach 10 MMT per annum with growth of export markets).
  - b) abatement of nearly 50 MMT of annual greenhouse gas emissions
  - c) cumulative reduction in fossil fuel imports over Rs. One lakh crore
- Initial outlay - Rs.19,744 crore.
  - SIGHT - Strategic Interventions for Green Hydrogen Transition Program.
  - SHIP - Strategic Hydrogen Innovation Partnership



### Value Addition –

- As per the International Energy Agency, the world demand for hydrogen is expected to grow by 600% by the year 2050.
- The oil and gas PSU set a production target of 7 lakh tonnes of green hydrogen per annum by the year 2030.
- Oil India Limited (OIL) has started a pilot plant in Jorhat, Assam.
- OIL has entered into an agreement with Tata Motors, for development of hydrogen fuel cell in India.
- Grey Hydrogen - produced via coal or lignite gasification (black or brown), or via a process called steam methane reformation (SMR).
- Blue Hydrogen - produced via natural gas or coal gasification combined with carbon capture storage (CCS)
- Green Hydrogen - produced using electrolysis of water with electricity generated by renewable energy.

- NCCC is cybersecurity and e-surveillance agency in the government of India (under M/o Home Affairs).

## SPORTS

### 1. AIFF Footballer of the Year 2022-23

**Why in news** – All India Football Federation (AIFF) announced the winners of its annual awards.

#### Key Points –

- Men's Footballer of the Year - Lallianzuala Chhangte.
- Women's Footballer of the Year - Manisha Kalyan. (2nd consecutive)
- Men's Emerging Player of the Year (Mishra)
- Lallianzuala Chhangte becomes the 2nd player from Mizoram to win the award (1st - Jeje Lalpekhlua in 2016).
- Men's Emerging Player of the Year - Akash Mishra.
- Women's Emerging Player of the Year - Shilji Shaji.

## AWARDS & HONOURS

### 1. Elephant Family environmental award

**Why in news** – Britain's King Charles III and Queen Camilla presented the award to Kartiki Gonsalves.

#### Key Points –

- She contributed to Oscar-winning documentary "The Elephant Whisperers" and the Real Elephant Collective (TREC) of 70 Adivasi artists.
- 'The Elephant Whisperers' won the 2023 Academy Award for Best Documentary Short Film.
- The Real Elephant Collective was awarded the Mark Shand Award.

## BIHAR

### 1. Birds census in Bihar

**Why in news** – Department of forests, environment and climate change and the Bombay Natural History Society (BNHS) conducted the survey.

#### Key Points –

- Duration - January-February 2023.
- Bird species found – 205. (2022 census - 202)
- Counting exercise was done in 26 districts, covering 76 wetlands, comprising 3 river systems, Ganga, Kosi and Gandak.
- Maximum species of water birds - Bhagalpur and Jamui.
- Maximum number of land bird species - Begusarai
- In January 2021, the forest department organised a bird festival, Kalraw at the Nagi bird sanctuary in Jamui district.
- The step is in direction to fulfil 'India's National Action Plan for Conservation of Migratory Birds and their Habitats'.

## APPOINTMENTS

### 1. Lt Gen MU Nair

**Why in news** – Lt Gen MU Nair has been appointed as the new National Cyber Security Coordinator (NCSC).

#### Key Points –

- He replaced Lt Gen (retd.) Dr Rajesh Pant.
- Appointed by - National Cyber Coordination Centre (NCCC).



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# CURRENT AFFAIRS

07 JULY, 2023

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## ➤ CURRENT AFFAIRS ONE LINERS ◀

- Amrit kaal has been renamed to what to highlight citizens responsibility to achieve amrut kaal - **kartavya kaal.**
- Ports, Shipping & Waterways and Ayush ministry launched a campaign to transform how many historic Lighthouses into Tourism Spots – **75.**
- The Board of Directors of IDFC First Bank approved the scheme of amalgamation of which company - **IDFC Limited.**
- To enhance the safety measures within trains, which IIT is developing a tamper-proof signalling based on blockchain technology - **Indian Institute of Technology, Kharagpur.**
- Who has strongly advised online platforms to not engage in 'unfair trade practices' by incorporating dark patterns in their online interface to manipulate consumer choice and violate 'consumer rights' - **Department of Consumer Affairs.**
- Which institute has developed Data carbon ladder that can help businesses measure the carbon dioxide output of their digital data - **Loughborough University.**
- Indian refiners have begun paying for some oil imports from Russia in which currency apart from US dollar - **Chinese yuan.**
- During the closing ceremony of Startup20, India officially handed over the torch of G20 to which country – **Brazil.**
- Amit Shah laid foundation stone of the country's first cooperative-run Sainik School in which state – **Gujarat (Mehsana).**
- Who has chaired the 23rd Shanghai Cooperation Organisation summit – **PM Narendra Modi.**

PATNA CENTRE: NEW BPSC BATCHES STARTING FROM 28TH JUNE 2023 TIMING 4:00PM - 07:00 PM (HINDI MEDIUM) AND 12TH JULY 2023 (TIMING 4:00 PM - 7:00 PM (ENGLISH MEDIUM))

DELHI CENTRE: NEW BPSC BATCHES STARTING FROM 5TH JULY 2023 TIMING 8:00AM - 12:00 PM (HINDI MEDIUM) AND 12TH JULY 2023 (TIMING 4:00 PM - 8:00 PM (ENGLISH MEDIUM))