

November - 13

TNPSC BITS

- ❖ The newly-created National Cooperative Organics Ltd (NCOL) launched organic food products under the brand name 'Bharat Organics'.
- ❖ Amazon is building its own conversational LLM like ChatGPT, codenamed 'Olympus'.

TAMIL NADU

Women workers in industries - Tamilnadu

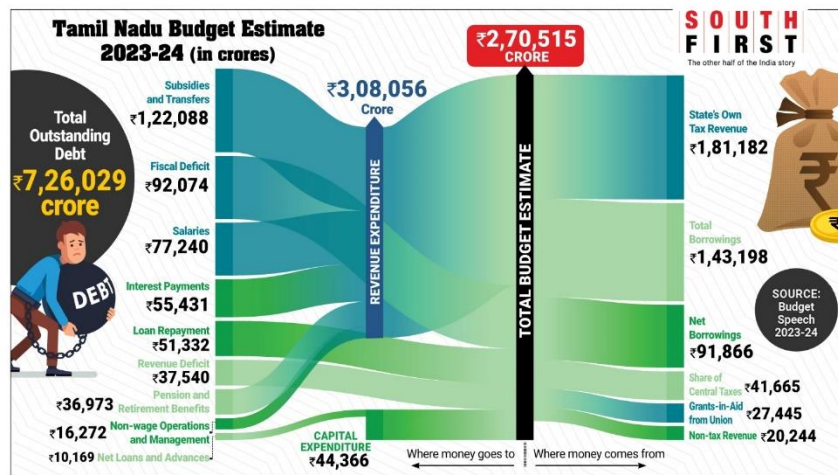


- ❖ There are nearly 15,80,000 women working in industries (manufacturing sector) in India.
- ❖ Of this, 6,79,000 women, or 43 per cent, are working in the state of Tamil Nadu.
- ❖ This data has been revealed in the Annual Survey of Industry (2019–20) by the Indian Labour Ministry.
- ❖ The Southern Indian state also ranks second in the share of women-owned enterprises in all proprietary micro, small, and medium enterprises (MSMEs).
- ❖ Notably, Tamil Nadu's population is around 6 per cent of the Indian population.

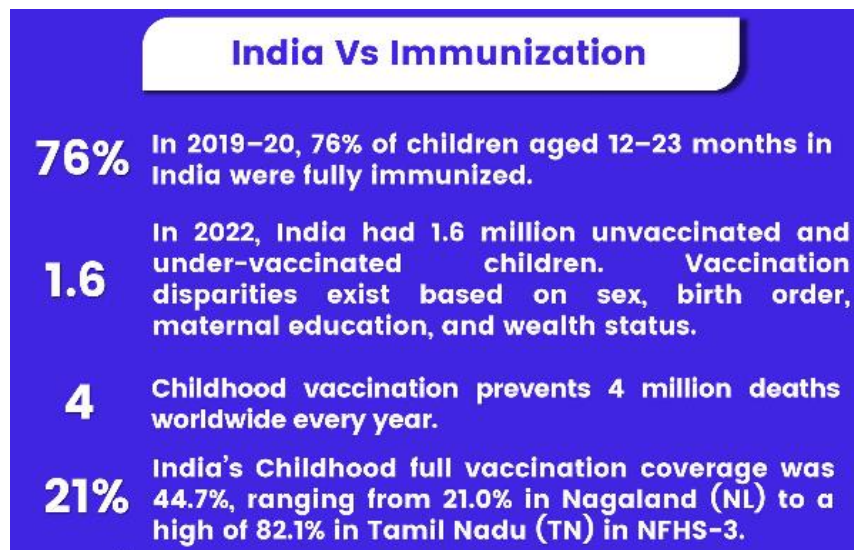
State's capital expenditure 2023-24

- ❖ Tamil Nadu's capital expenditure (capex) increased by nearly 31.7% to ₹17,773.80 crore in the first half of fiscal 2023-24.

- ❖ This was Rs.13,499.24 crore in the same period last year.
- ❖ The capex of these States grew in the range of 31.7% to 190.3% in the first half of 2023-24 from the previous year.
- ❖ Uttar Pradesh, Madhya Pradesh, Telangana, Gujarat and Tamil Nadu accounted for over half of the aggregate capex of ₹2.62 lakh crore incurred by 23 States.
- ❖ Madhya Pradesh, Telangana and Tamil Nadu have been able to meet over 40% of their budgeted capex target for fiscal 2024.
- ❖ However, Uttar Pradesh and Gujarat were able to meet only under 30%, which indicates that they might fall short of their target.



Overall immunization coverage 2023



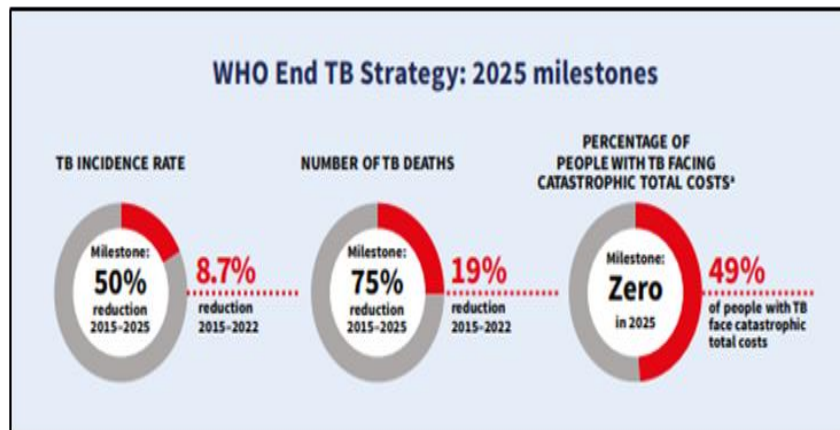
- ❖ Tamil Nadu's overall immunization coverage has crossed 95%.

- ❖ Every year, 9.15 lakh children and 10 lakh pregnant women are covered under the Universal Immunisation Programme (UIP).
- ❖ 3.2 crore vaccines worth nearly ₹10 crore are provided in the State.
- ❖ Under the UIP, launched in 1985, 11 vaccines were administered to children and pregnant women against 12 vaccine-preventable diseases.

NATIONAL

India's TB incidence

- ❖ India's success in reducing the incidence of tuberculosis by 16 per cent and mortality due to it by 18 per cent since 2015.
- ❖ It has been acknowledged by the World Health Organisation (WHO) in its Global TB Report 2023.
- ❖ The treatment coverage has improved to 80 per cent of the estimated TB cases.
- ❖ The TB mortality rates falls from 4.94 lakhs in 2021 to 3.31 lakhs in 2022, a reduction of over 34 per cent.

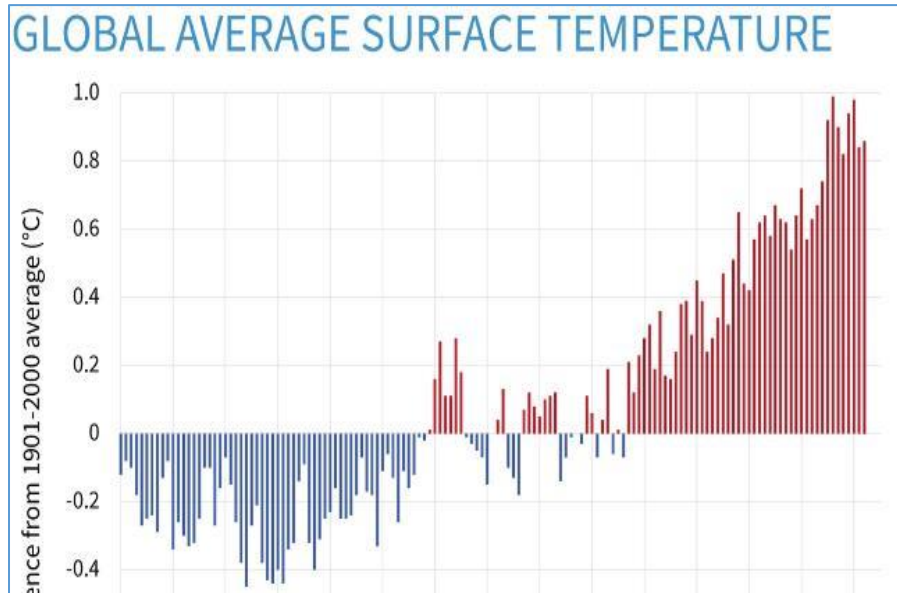


INTERNATIONAL

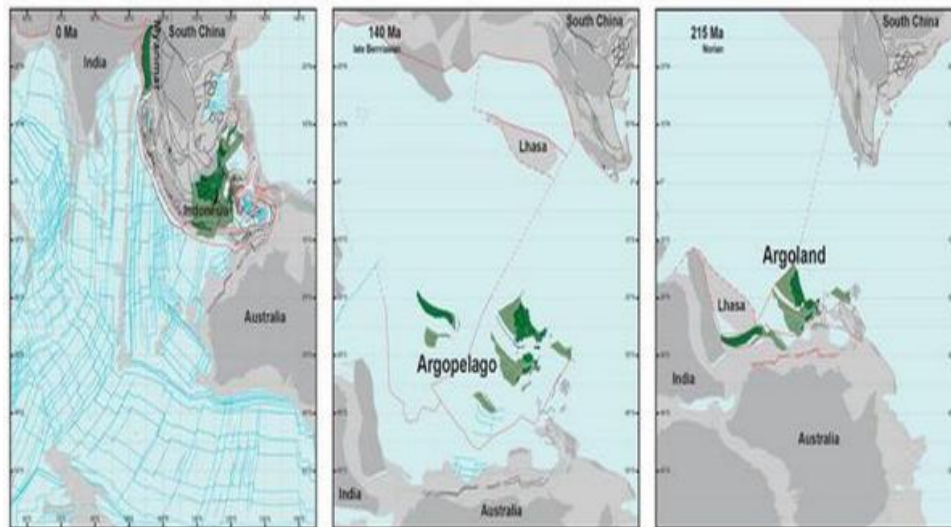
Record-Breaking Global Temperatures

- ❖ The year 2023 is predicted to be the hottest year in the last 125,000 years, as stated by European Union scientists.
- ❖ October 2023 has set a new record as the hottest October recorded during this period.
- ❖ The previous record from October 2019 was surpassed by a significant margin of 0.4 degrees Celsius.

- ❖ October's average global surface air temperature was 1.7 degrees Celsius higher than in the pre-industrial era of 1850-1900.



Lost Continent of Argoland

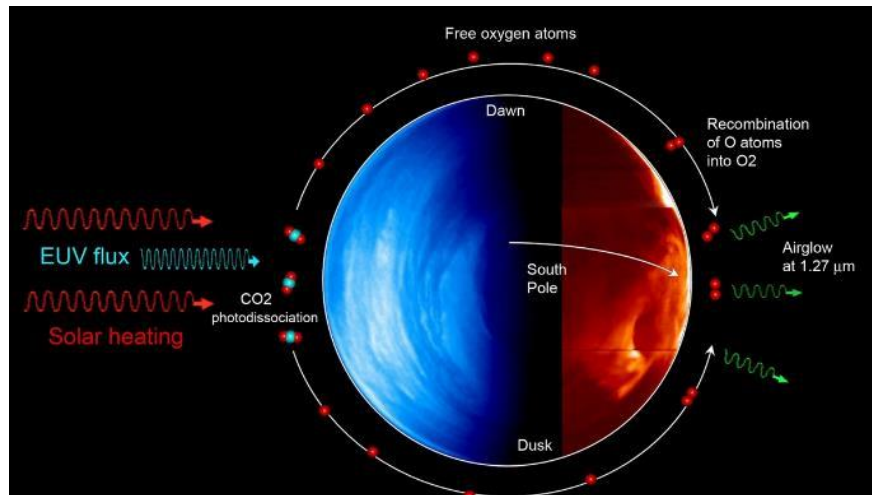


- ❖ Scientists have recently uncovered the mystery surrounding the lost continent known as Argoland.
- ❖ This ancient landmass, believed to have separated from western Australia approximately 155 million years ago,
- ❖ It was thought to have vanished as it drifted towards Southeast Asia.
- ❖ However, new research has revealed that Argoland did not simply disappear.

- ❖ Instead, it fragmented due to tectonic forces that stretched and pulled it apart, scattering its remnants across Southeast Asia.

SCIENCE AND TECHNOLOGY

Venus's Atmospheric Composition

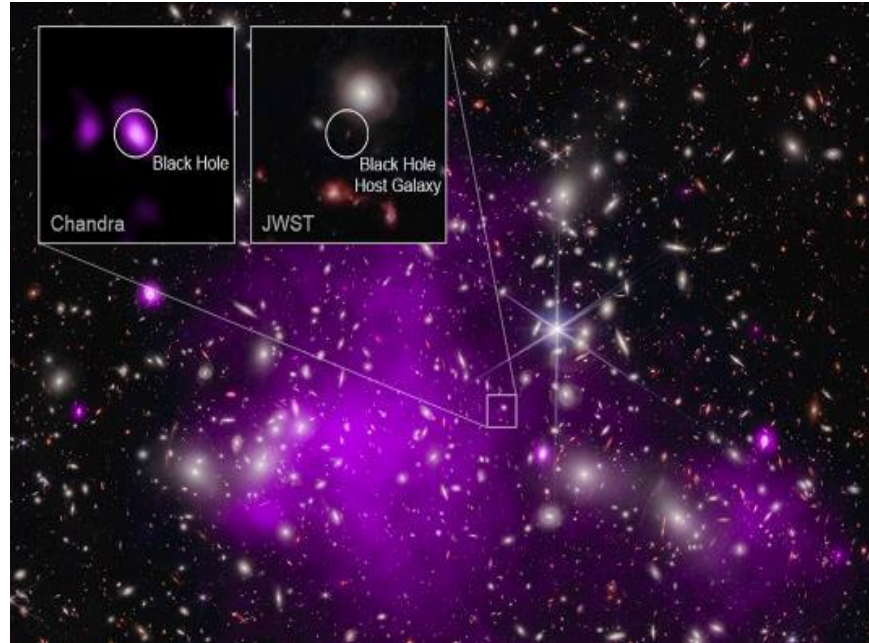


- ❖ Scientists have detected atomic oxygen in the atmosphere of Venus, Earth's neighbouring planet.
- ❖ The detection was made using an instrument aboard the SOFIA airborne observatory.
- ❖ Unlike Earth, Venus has a thick and noxious atmosphere dominated by carbon dioxide (96.5%).
- ❖ The detected atomic oxygen, consisting of a single oxygen atom, differs from molecular oxygen, which consists of two oxygen atoms and is breathable.
- ❖ The oxygen was found concentrated between two layers of the Venusian atmosphere, at an altitude about 60 miles (100 km) above the surface.
- ❖ The temperature of the oxygen ranged from about minus 184 degrees Fahrenheit (- 120 degrees Celsius) on the planet's day side to minus 256 degrees Fahrenheit (- 160 degrees Celsius) on its night side.

Oldest Black Hole

- ❖ Scientists have discovered the oldest black hole yet.
- ❖ The huge object formed about 470 million years after the Big Bang.
- ❖ If the universe is 13.7 billion years old, the age of this black hole would be 13.2 billion years.

- ❖ This oldest black hole is extremely massive — 10 times bigger than the black hole in our own Milky Way galaxy.



SPORTS

Raja Bhalindra Trophy



- ❖ The recently concluded 2023 National Games had 11,000 athletes from across India participated in 45 different sports.

- ❖ Maharashtra finished with a total of 228 medals, including 80 gold, 69 silver and 79 bronze medals.
- ❖ SSCB (Services Sports Control Board), run by Indian Armed Forces, finished second, bagging 66 gold, 27 silver and 33 bronze medals.
- ❖ Haryana were third in the standings with 62 gold, 54 silver and 73 bronze.
- ❖ Maharashtra claimed the prestigious Raja Bhalindra Singh Rolling Trophy for the overall championship, which they hadn't achieved since 1994.

IMPORTANT DAYS

World Quality week 2023



- ❖ This week annually observed across the globe on the 2nd week of November to recognise the achievements of quality professionals.
- ❖ This serves as a platform to recognise and celebrate the efforts of individuals and organisations that are committed to delivering high-quality products and services.
- ❖ The theme of 2023 is “Quality: realising your competitive potential”.

International Week of Science and Peace – November 09/15

- ❖ This International Week was first observed during 1986 as part of the observance of the International Year of Peace.
- ❖ This week observed take place each year during the week in which 11 November falls.

- ❖ The Week encourages greater academic exchanges on a subject of universal importance while also generating greater awareness of the relationship of science and peace among the general public.



World Science Day for Peace and Development 2023 - November 10

- ❖ It highlights the important role of science in society and also emphasises the importance and relevance of science in our daily lives.
- ❖ The idea for this day emerged from the 1999 World Conference on Science in Budapest, Hungary.
- ❖ The theme for 2023 is "Building Trust in Science".

