

October - 20

TNPSC BITS

- ❖ Tamil Nadu's peak power demand increased 10.04% to 19,045 MW in the first half of 2023-24 from 17,306 MW in the same period last year.
- ❖ The 8th BRICS International Competition Conference 2023 (BRICS ICC 2023), was hosted by the Competition Commission of India (CCI) in New Delhi.
- ❖ Ircon International Limited (IRCON) and RITES Ltd (RITES) under the Ministry of Railways, have been announced as 15th and 16th Navratna respectively.

TAMIL NADU

First tilapia parvovirus

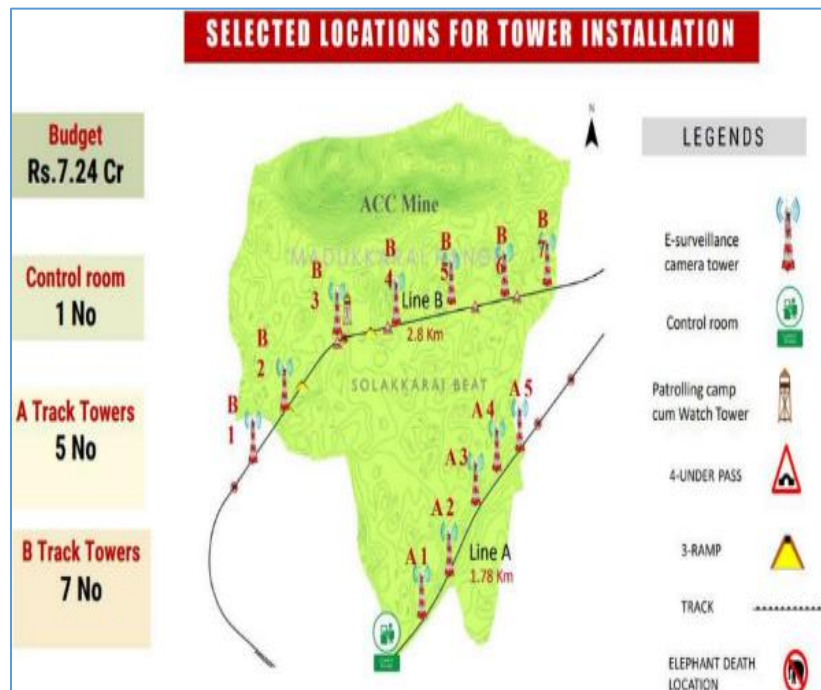


- ❖ The occurrence of tilapia parvovirus (TiPV) has been reported for the first time in India at ponds in Walajah in Ranipet district.
- ❖ It will be affecting farm-bred tilapia, a freshwater fish species, and causing a huge mortality rate.
- ❖ This DNA virus caused mortality ranging from 30 to 50% in the farm and 100% mortality in the laboratory.
- ❖ Considered as “a poor-man’s fish”, Mozambique tilapia was introduced to Indian fresh water bodies in the 1950s.
- ❖ And it is called Jilabi in Tamil.
- ❖ The TiPV was first reported in China in 2019 and Thailand in 2021.

- ❖ India is the third country to report the occurrence of TiPV.

AI-based early warning system

- ❖ Tamil Nadu plans its first artificial intelligence (AI)-based early warning system to prevent wild elephants from getting hit by trains on railway lines.
- ❖ It is laid along the Ettimadai–Walayar section, which links Tamil Nadu and Kerala, is nearing completion.
- ❖ It will give an additional layer of protection for pachyderms.
- ❖ The installation of all 12 e-surveillance towers for the project — five along the ‘A’ line and seven along the ‘B’ line, of the twin single line — has been completed.
- ❖ A total of 11 elephants were killed in six train collisions on the two railway lines linking Coimbatore and Palakkad from 2008 to 2022.

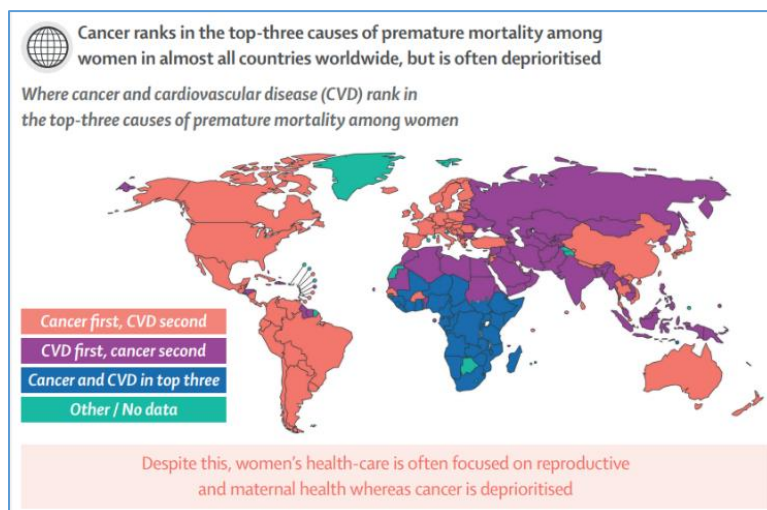


REPORTS AND INDICES

Gender Inequality and Women Cancer

- ❖ The Lancet Global Health has released a report titled-“Women, Power and Cancer”.
- ❖ In 2020, approximately 5.3 million adults under the age of 70 died from cancer, with women accounting for 2.3 million of these deaths.

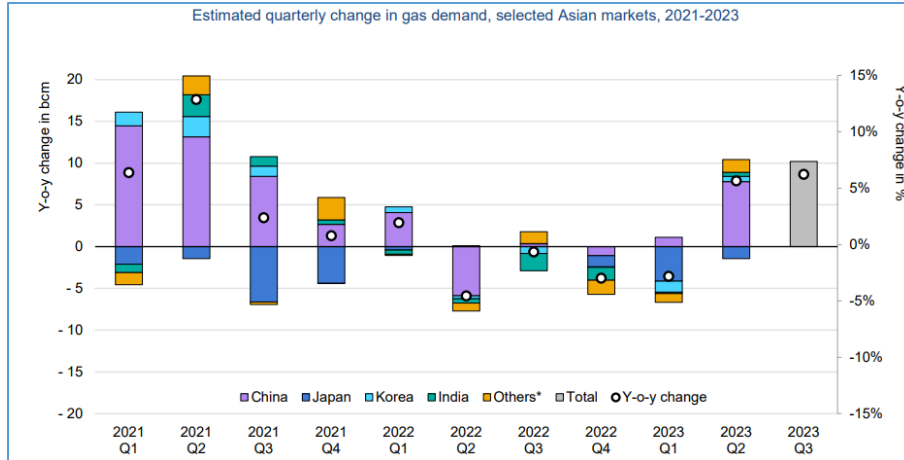
- ❖ These premature deaths resulted in a significant burden of 182.8 million years of life lost (YLLs).
- ❖ It will be accounting for 68.8% of the total YLLs from cancer across all age groups.
- ❖ Men experienced a higher proportion of preventable premature YLLs compared to women (70.3% for men vs. 65.2% for women).
- ❖ However, the proportion of treatable premature YLLs was higher for women than for men (34.8% for women vs. 29.7% for men).
- ❖ In 2020, approximately 1.3 million women of all ages died as a result of four major cancer risk factors: Tobacco, alcohol, obesity and infections.
- ❖ Nearly 63% of cancer deaths among women in India could have been prevented by reducing risk factors, screening, or early diagnosis.
- ❖ 37% of deaths could have been averted with appropriate and timely treatment.
- ❖ The top three cancers among women in India are Breast, Cervical, and Ovarian Cancers.
- ❖ One woman dies from cervical cancer every eight minutes.
- ❖ Due to the Gender Inequity in cancer care, a woman's health concerns were dismissed or ignored.
- ❖ Women are less likely to be in a position of power and may face difficulty in determining their care due to gender bias and discrimination.
- ❖ The value of unpaid cancer care-giving by women is about 3.66 of India's national health expenditure.



Medium-Term Gas Report 2023

- ❖ This is released by the International Energy Agency (IEA).

- ❖ India's natural gas demand is set to grow by 4 per cent in 2023.
- ❖ It will rise at an average annual rate of over 8 per cent till 2026,
- ❖ Following a steep 6 per cent decline in 2022, liquefied natural gas (LNG) imports into India are increased by 8 per cent in the first eight months of 2023.




STATES

India's First Wetland City

ADVANTAGE, THE CITY OF LAKES

- > **Udaipur is surrounded by five lakes** such as Fateh Sagar, Lake Pichola, Swaroop Sagar, Rang Sagar and Doodh Talai which also conserve many fish species
- > **Ramsar Conference of the Parties in 2015 (COP12) passed the establishment of a wetland city accreditation system globally**
- > **The 1st batch of wetland cities from China, France and Sri Lanka, among others, were notified in 2018**



File pic of Pichola lake in Udaipur

- > **The 2nd batch of cities from Japan, Morocco, Iraq, Spain and others were declared in 2022**

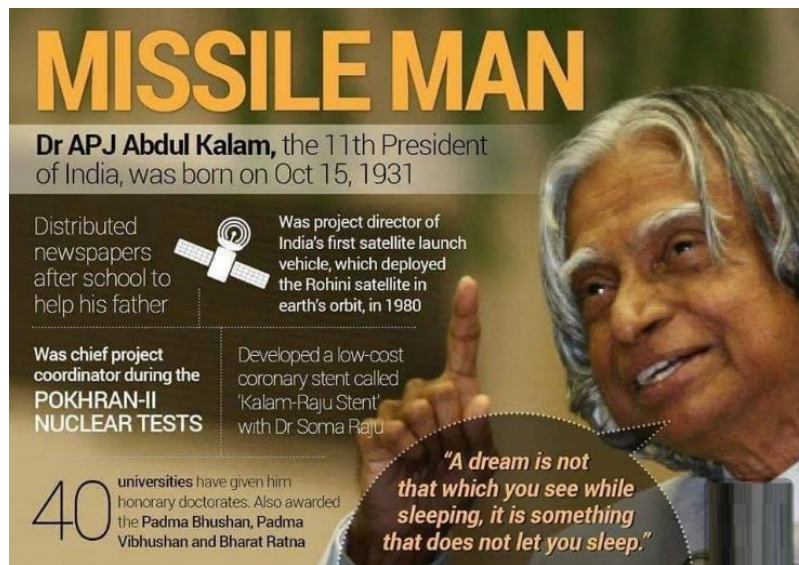
- ❖ The Rajasthan government is making efforts to make Udaipur, as the country's first wetland city.
- ❖ Only a few cities worldwide have received this recognition.

- ❖ This city is surrounded by five major lakes, Pichola, Fateh Sagar, Rang Sagar, Swaroop Sagar, and Doodh Talai.
- ❖ Udaipur is already included in the restoration project of the National Lake Conservation Plan (NLCP) of the central government.
- ❖ Presently, there are 42 wetland cities situated across 17 nations around the world.
- ❖ China has the highest number at 13 such cities.

IMPORTANT DAYS

World Student Day 2023 - October 15

- ❖ It is celebrated to mark the birth anniversary of the former President of India Dr APJ Abdul Kalam.
- ❖ This day honours the notable contributions of former President Kalam in the field of education.
- ❖ He is a great teacher, an eminent scientist and a great statesman, served as the 11th Indian President from 2002 to 2007.
- ❖ After completing his tenure as the 11th President of India, Dr Kalam went back to teaching.



World Food Day 2023 - October 16

- ❖ This day is aimed marks the establishment of the Food and Agriculture Organization (FAO) of the United Nations in 1945.

- ❖ The day serves to remind humanity about the challenges of food shortage and malnutrition faced by millions around the world.
- ❖ The day focuses on the requirement for feasible farming practices, equitable food distribution, and availability of nutritious food for all.
- ❖ The theme for 2023 is 'Water is Life, Water is Food. Leave No One Behind.'



World Anesthesia Day 2023 - October 16

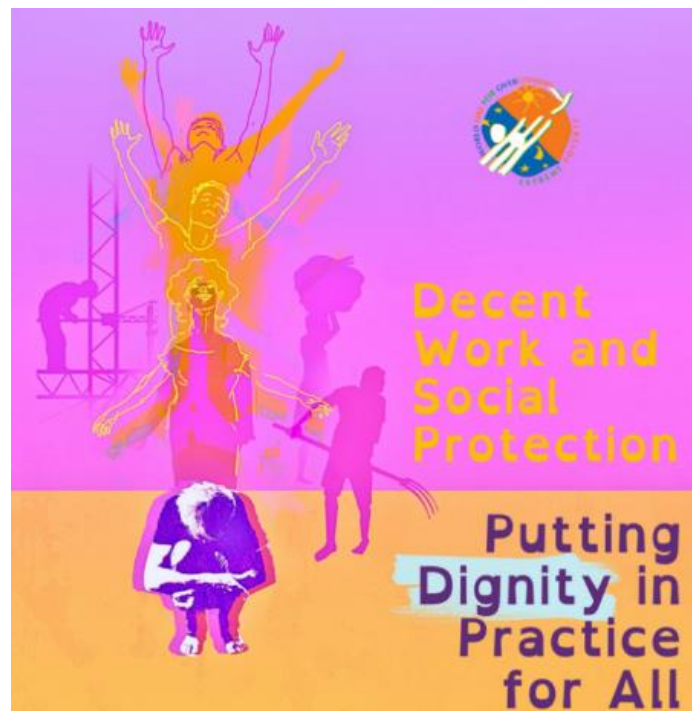


- ❖ The day strives to raise awareness about the importance of anaesthesia in medical treatments.

- ❖ Anaesthesia was first used on October 16, 1846.
- ❖ The first successful demonstration of ether anaesthesia was performed by William Thomas Green Morton in Boston, USA.
- ❖ The discovery of anaesthesia helps patients undergo surgical treatments without any pain.
- ❖ The theme for 2023 is 'Anaesthesia and Cancer Care.'

International Poverty Eradication Day 2023 - October 17

- ❖ This day aims to promote understanding and dialogue between people living in poverty and the wider society.
- ❖ The first observation of the day can be traced back to 17 October 1987.
- ❖ Theme for 2023 is 'Decent Work and Social Protection: Putting dignity in practice for all'



MISCELLANEOUS

World's Best Employers 2023 – NTPC

- ❖ NTPC Limited, energy company in India, has received an award for being one of the World's Best Employers 2023.
- ❖ NTPC is ranked 261st out of the top 700 companies in the world.

❖ It's the only Indian government-owned company on this list.



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