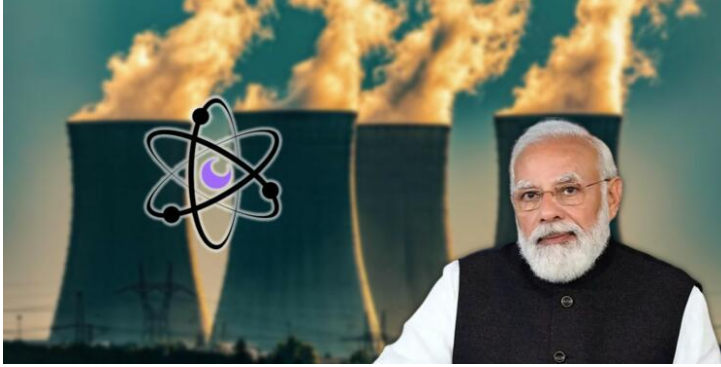


## Weekly Current Affairs (7<sup>th</sup>- 14<sup>th</sup> April 2023)

**Q1) Union Government approved installation of 10 nuclear reactors in the country**



- In a significant development towards sustainable energy, the Indian Government recently approved the installation of **10 nuclear reactors in the nation** in a fleet mode.
- The 10 nuclear reactors will be installed in 4 different states: 1) Karnataka 2) Haryana 3) Madhya Pradesh and 4) Rajasthan
- Two nuclear reactors will each be installed in Kaiga, Chutka, and Gorakhpur nuclear power plants, while the Mahi Banswara nuclear power plant in Rajasthan will get four nuclear reactors.
- The present installed nuclear power capacity is set to increase from 6780 MW to 22480 MW by 2031.
- The information was given by Atomic Energy Minister Dr. Jitendra Singh in Parliament on Wednesday.
- These reactors are set up in “fleet mode” by the year 2031 at an cost of Rs. 1,05,000 crores.

### Additional Information

- In the year 2015, Mr. Jitendra Singh proposed a bill (Regulation Act 2015) which empowers the Central Government to produce, develop and use atomic energy,
- This Bill proposes to amend the “Atomic Energy Act 1962”.

## Some Atomic Power Stations in India

	Power station & no. of reactors
Rajasthan	<b>Rawatbhata (6)</b>
Gujarat	<b>Kakrapara (2)</b>
Maharashtra	<b>Tarapur (4)</b>
Uttar Pradesh	<b>Narora (2)</b>
Karnataka	<b>Kaiga (4)</b>

Q2) C.R Rao wins International Prize in Statistics 2023



- An Indian-American statistician Calyampudi Radhakrishna Rao has won the 2023 International Prize in Statistics.
- This award is regarded as the equivalent of the Nobel prize in statistics and recognizes individuals or teams who have made significant contributions to science, technology, and human welfare through the use of statistics.
- Rao will be honoured with the prize which carries an \$80,000 cash award at the International Statistical Institute World Statistics Congress in Ottawa, Canada in July.

### Q3) Chennai to host the second edition of the “Street Child Cricket World Cup”



- Chennai will host the 2<sup>nd</sup> edition of the “2023 Street Child Cricket World Cup” and 24 countries from around the world is expected to take part.
- The tournament will take place at Amir Mahal, the official residence of the Nawab of Arcot from 20 to 30 September ahead of the ICC Men’s World Cup 2023.
- The tournament is organised by Street Child United in partnership with Shree Daya foundation
- The street connected young people will take part in a mixed-gender cricket tournament, a festival of arts and a congress on street children’s rights.
- The inaugural edition was held in 2019 in England (London) where eight team participated and **Team India South** emerged victorious after beating hosts England.

**Q4) Priyanshu Rajawat won his maidens Singles title at “Orleans Master’s badminton tournament 2023”**



- Indian shuttler Priyanshu Rajawat defeated Denmark’s Magnus Johanssen 21-15, 19-21, 21-16 in the final to win his maiden Singles title at the “Orleans Master’s 2023” in **France**.
- It was his maiden BWF World Tour Super 300 title as well as his first appearance in the final.
- The 21-year-old from Madhya Pradesh was also a part of the Indian team that registered an epic win at the Thomas Cup 2022.
- The Orleans Masters 2023 event started on April 4 and will end on April 9.

Winners

Men’s singles title - **Priyanshu Rajawat (India)**

Women’s singles title - **Carolina Marin (Spain)**

Q5) State Energy Efficiency Index 2021-22 released

- Based on the progress and accomplishments of states in energy efficiency implementation, they have been classified into four categories: **Front Runner, Achiever, Contender, and Aspirant.**
- According to the “State Energy Efficiency Index (SEEI)” report 2021-22, Andhra Pradesh, Karnataka, Kerala, Rajasthan & Telangana are the front-runners in the SEEI report 2021-22.
- **Achiever category (score between 50-60):** Assam, Haryana, Maharashtra & Punjab.
- Karnataka, Andhra Pradesh, Assam, and Chandigarh are the top-performing states in their respective state groups, while Telangana and Andhra Pradesh showed the most improvement since the last index.
- Based on the progress and accomplishments of states in energy efficiency implementation, they have been classified into four categories: **Front Runner, Achiever, Contender, and Aspirant.**

Union Minister of Power - **Shri R.K Singh**

Q6) Nandini Gupta crowned as the Femina Miss India 2023”



- A 19-year-old girl from Rajasthan, Nandini Gupta won the title of “Femina Miss India 2023”.
- **Shreya Punja from Delhi** was the 1<sup>st</sup> runner-up and the 2<sup>nd</sup> runners-up was Thounaojam Strela Luwang of Manipur.
- This was the 59<sup>th</sup> edition of the Femina Miss India World 2023 was held at the Indoor Stadium, Khuman Lampak, Imphal, Manipur.
- Nandini Gupta will represent India at the 71<sup>st</sup> Miss World Pageant World in the United Arab Emirates.
- The Femina Miss India 2023 was a star-studded affair and celebs like Ananya Pandey and Kartik Aaryan gave power-packed performances. The event was hosted by Bhumi Pednekar and Manish Paul.

Q7) Shaili Singh produces second longest jump at Indian Grand Prix 4 Athletics



- Long Jumper Shaili Singh from Uttar Pradesh won a Gold medal in the women's long jump at the "Indian Grand Prix 4 2023" athletics meet in **Bangalore, Karnataka**.
- She record second-best jump of 6.76m only after the Indian legendary Anju Bobby George.
- With this win, she has also qualified for the **Asian Games 2023, scheduled in Hangzhou, China** by breaching the women's long jump qualifying mark of 6.45m set by the "Athletics Federation of India" (AFI).
- The fourth Grand Prix featured a total of 21 events - 11 for men and 10 for women.

Q8) S. Jaishankar inaugurates Buzi Bridge in Mozambique



- The External Minister of India Dr. S. Jaishankar has inaugurated the “Buzi Bridge” constructed as part of **132 km “Tica-Buzi-Nova-Sofala” road project.**
- The bridge has been built by India. The Buzi bridge connects the towns of Chibabava and Mofambisse.
- The project was executed by the National Highway Authority of India (NHAI) in collaboration with the Mozambique government.
- The Buzi Bridge is an essential project that demonstrates India’s commitment to the development of Mozambique’s infrastructure.

About Mozambique

- Mozambique is situated in South-eastern Africa with the Indian Ocean to the East.
- Mozambique gained independence in 1975 from Portugese.

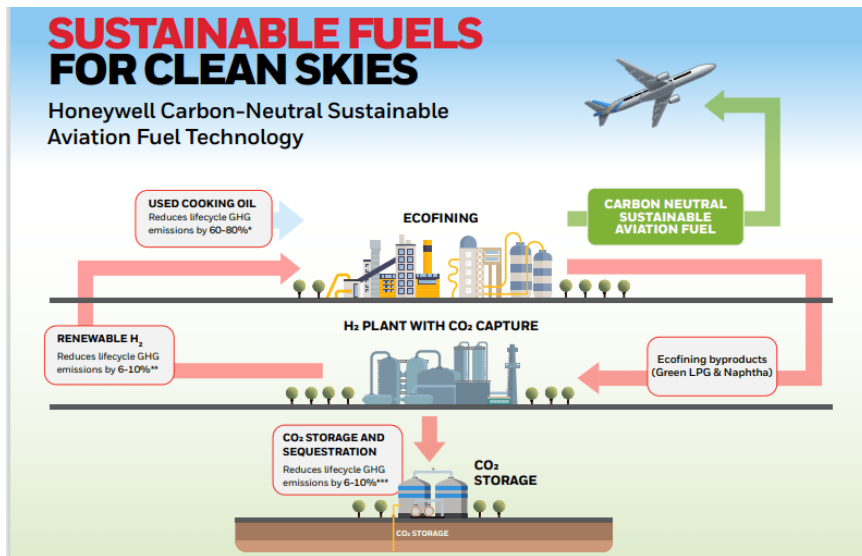
Capital - **Maputo**

President - **Filipe Nyusi**

Official language - **Portugese**



Q9) Indian Oil, LanzaJet to set up India's first green Aviation Fuel firm



- Indian Oil Corporation Ltd. (IOCL) is planning to set up a joint venture with US based clean energy technology company LanzaJet Inc. and multiple domestic airlines.
- The proposed venture will set up a plant to make SAF with alcohol-to-jet technology at the state-run company's **Panipat refinery in Haryana at a cost of Rs. 3,000 crores.**
- IOC will possess 50% stake while LanzaJet Inc. will hold 25% stake.

Q10) ESA successfully launches JUICE mission to study Jupiter's Icy moon



- The European Space Agency (ESA) has successfully launches JUICE (Jupiter Icy Moon Explorer) mission on 14 April 2023.

- The mission was carried by an Ariane 5 rocket from Europe's spaceport in Kourou, French Guinea.
- It will make detailed observations of Jupiter and its three large moons:  
**1) Ganymede 2) Calisto & 3) Europa**
- It will take a 8-year journey to reach Jupiter.
- Aim of this launch is to understand whether there are habitable environments among the Jupiter and its moons.

#### Additional Information

- At present, there are **92 moons of Jupiter** surpassing Saturn which has **83 moons**.

Planet	Largest moon
Jupiter	<b>Ganymede</b>
Saturn	<b>Titan</b>
Neptune	<b>Triton</b>

Q11) Pralay Missile: India to buy 250 more missile

**PRALAY: Surface-to-Surface Missile**

Pralay is a canisterised tactical, surface-to-surface, and short-range ballistic missile for battlefield use developed by the Defence Research and Development Organisation of India.

**ENGINE:** Two stage rocket motor with third stage MaRV

**SPEED:** Mach 1 to 1.5

**RANGE:** 150-500 km

**TRAJECTORY:** low

**GUIDANCE SYSTEM:** inertial navigation system

**LAUNCH PLATFORM:** Bvt REML-Tetra transporter erector launcher

**MASS:** 5 tonnes (4.5 long tons, 5.5 short tons)

**OPERATIONAL RANGE:** 150-500 km (93-311 mi)



Can change its path after covering certain range mid-air and is difficult to be tracked

It is capable of being launched from a mobile launcher and has latest navigation system and integrated avionics

It has the capability to defeat interceptor missiles

- India is set to buy 250 more Pralay ballistic missile for the services to strengthen them on the **northern borders**, further boosting the firepower of the defence forces.

### About Pralay Missile

- Pralay missile is an indigenous **Short-Range Ballistic Surface-to-Surface Missile (SRBM)**
- Pralay' is India's **first Quasi-Ballistic missile**. It can hit targets 150-500 km away.
- The missile can carry 350-700 kg of high-grade explosives.
- It is developed by the Defence Research Development Organization (DRDO)
- It is powered by a solid propellant rocket motor and other new technologies,

### Other Short News

1) The G20 meeting of Agricultural Chief Scientists (MACS) will be held in **Varanasi from 17-19 April 2023 and will feature MAHARISHI (Millets And other Ancient Grains International Research Initiative)**

Theme- Sustainable Agriculture and Food Systems for Healthy  
People and Planet

- The 1<sup>st</sup> meeting of the MACS was held in **Mexico in 2012**.

2) Aerospace Pioneering in satellite land imaging Virginia Norwood (**the Mother of Landsat**) passes away at age 96.

3) SEBI unveiled new logo on its 35<sup>th</sup> foundation day.



**भारतीय प्रतिभूति और विनिमय बोर्ड**  
Securities and Exchange Board of India

Foundation – **12 April 1988**

Chairman - **Madhabi Puri Buch**

4) The book titled “Courting India: England, Mughal India and the Origin of Empire authored by Nandini Das