

June - 15

TNPSC BITS

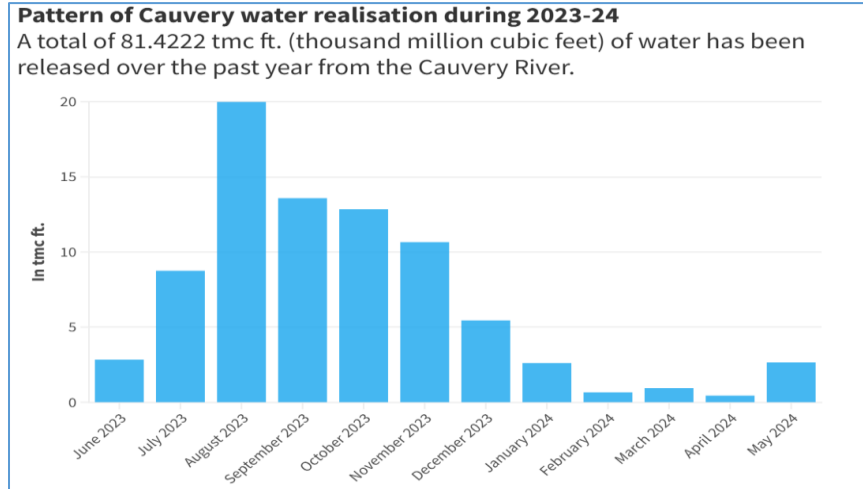
- ❖ Tamil Nadu has launched chief minister's Mannuyir Kaathu Mannuyir Kaappom Scheme to preserve soil fertility by distributing green manure seeds to farmers.
- ❖ The Reserve Bank has constituted a committee under A.P. Hota to examine the various aspects of setting up a digital public infrastructure for Digital Payments Intelligence Platform.
- ❖ The centre sanctioned release of the 17th instalment amount of the PM Kisan Nidhi program.
- ❖ Telugu Desam Party (TDP) chief N Chandrababu Naidu took oath as the chief minister of Andhra Pradesh for a fourth term.
- ❖ Indian tennis player Sumit Nagpal won the men's singles title at the Heilbronn Neckar cup 2024 ATP Challenger Tennis tournament in Germany.
- ❖ The Executive Board of the International Hockey Federation (FIH) has designated India as the host country for the inaugural FIH Hockey Men's Junior World Cup 2025.
- ❖ Under the proposal of China, the U.N. has designated June 10 as the International Day for Dialogue among Civilizations.
 - 10 June 2024 marks the first International Day for Dialogue among Civilizations.

TAMIL NADU

Mettur dam water release 2024

- ❖ The opening of the Mettur dam in Salem, for irrigation in the Cauvery delta, missed its customary date of June 12 this year.
- ❖ This is the first time in five years the date has been missed.
- ❖ 13.97 thousand million cubic feet (tmc ft) only available against its full capacity of 93.47 tmc ft, as the reason the dam was not opened this year.
- ❖ The water level stands at 43.52 feet against its full capacity of 120 feet.
- ❖ Inflow to the dam was 404 cubic feet per second (cusecs) while the discharge was kept at 1,500 cusecs.
- ❖ Normally, the release from Mettur for irrigation takes care of 3.24 lakh acres during the short-term cultivation season kuruvai.

- ❖ But, in the past five years, the coverage has hovered between 2.9 lakh acres during 2019-20 to 5.6 lakh acres.



Sustainable waste management in Chennai



- ❖ The World Bank will lend support to the Greater Chennai Corporation (GCC) to achieve sustainable waste management in the city.

- ❖ The World Bank intends to improve solid waste management in the city and various parts of the State over a period of 20 years.
- ❖ It will also conduct a study of the status of solid waste management in the city.
- ❖ The GCC hoping to stop dumping of waste in Kodungaiyur in 2026-2027

Maragatha Pooncholai

- ❖ In an effort to improve green cover, the Forest Department has planned to set up 'Maragatha Pooncholai', an initiative to revive vacant lands in the Perambalur district.
- ❖ Around one hectare of land will be rehabilitated and used for raising tree saplings.
- ❖ In the first phase, a vacant land near Arulmigu Valeeswarar Temple in Valikandapuram has been selected.
- ❖ There is consideration for two more sites at Thuraimangalam and Samiyappa Nagar for the project and are awaiting approval.

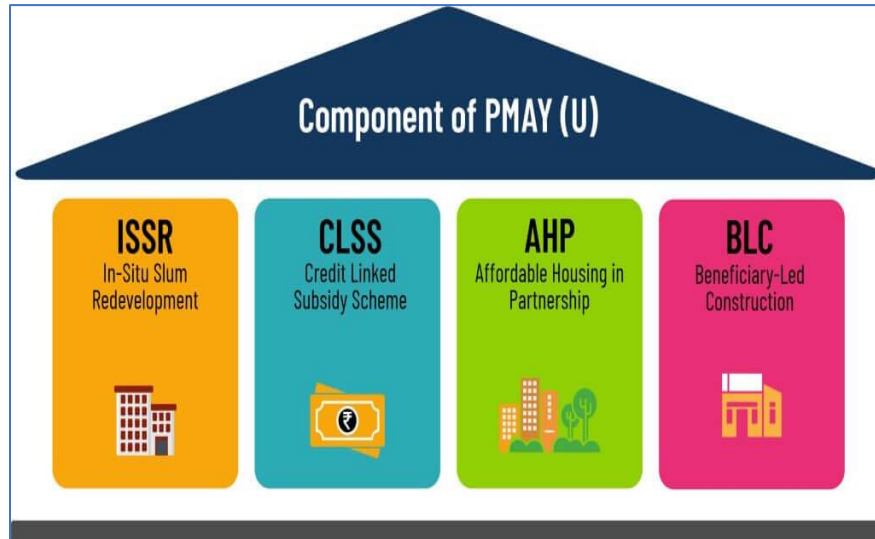


NATIONAL

PM Awas Yojana extension

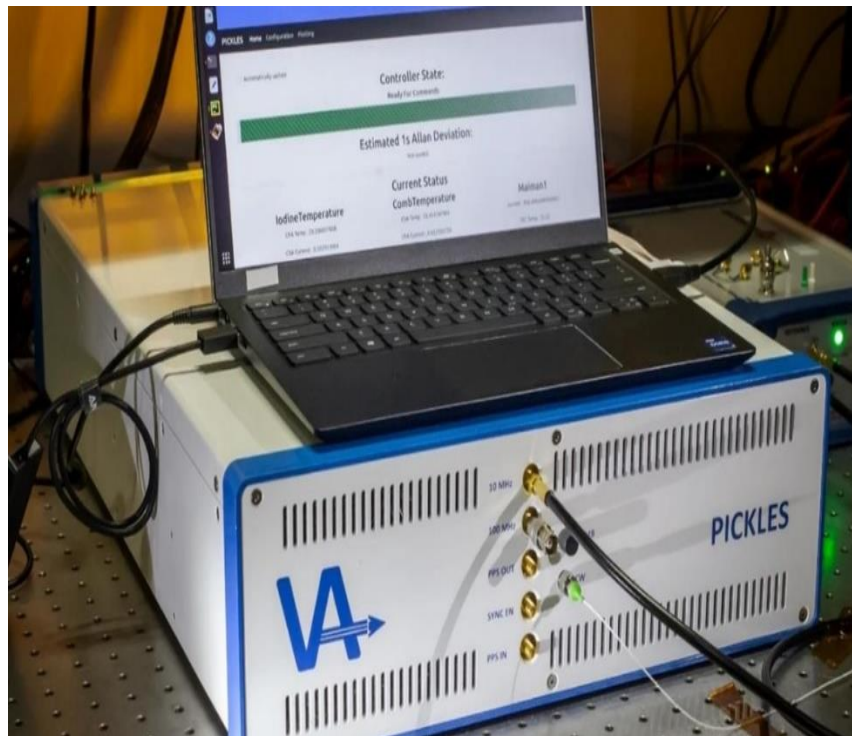
- ❖ Union Cabinet gave nod to 3 crore houses under PMAY to ensuring continuity to the Housing for All scheme.
- ❖ From 2015-16, the Pradhan Mantri Awas Yojana or PMAY has been providing assistance to eligible rural and urban households for construction of houses with basic amenities.

- ❖ Under PMAY, a total of 4.21 crore houses have been completed for the eligible poor families under the housing schemes in the last 10 years.



SCIENCE AND TECHNOLOGY

New Portable Atomic Clock



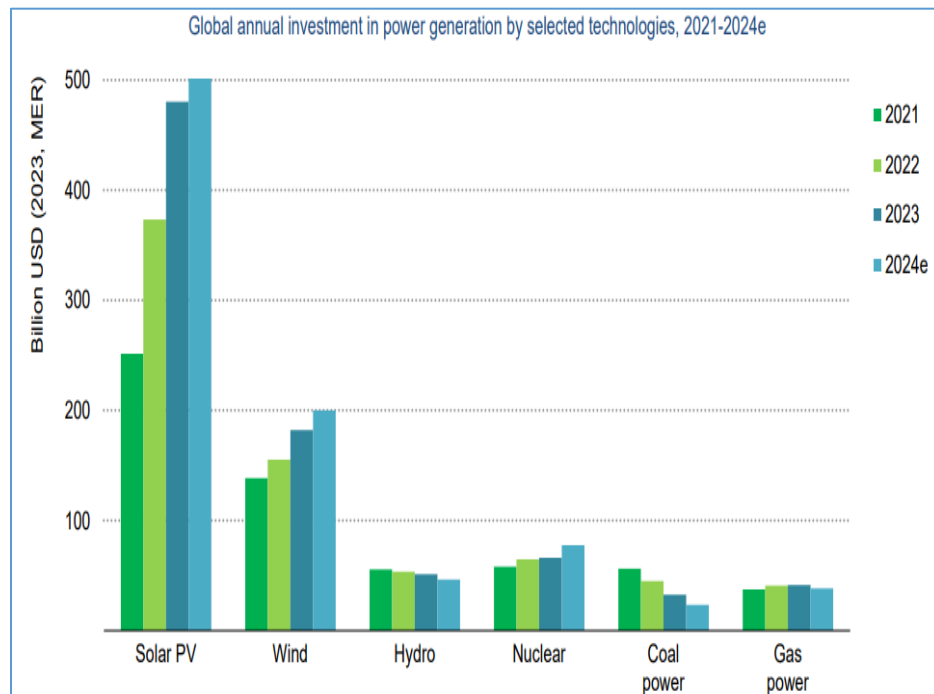
- ❖ Researchers introduced a kind of portable optical atomic clock that can be used onboard ships.



- ❖ These devices traded some accuracy for size and robustness.
- ❖ They were still more accurate than other vessel-borne timekeeping options.
- ❖ Atomic clocks work by keeping time using atoms.
- ❖ Cs-133 is a highly stable atom and is found naturally, which is why it is so commonly used in atomic clocks.
- ❖ India also uses a Cs-133 atomic clock to define the second for timekeeping within its borders.
- ❖ A caesium atomic clock loses or gains a second every 1.4 million years.
- ❖ Atomic clocks are prized for their accuracy, losing or gaining just one second over 300 million years.
- ❖ Optical atomic clocks only loss or gain a second over 300 billion years.

REPORTS AND INDICES

World energy Investment Report 2024



- ❖ Investment in clean energy technologies and infrastructure is set to touch a new global high of \$3 trillion in 2024.
- ❖ China will account for the largest share of clean energy investment, with around \$675 billion this year.

- ❖ Investment in new oil and gas supplies will increase by 7% this year to \$570 billion.
- ❖ Still, clean energy investment in other emerging and developing economies remains low at about \$320 billion.
- ❖ India's Spending reached \$68 billion in 2023, up by nearly 40 per cent from the 2016-2020 average.
- ❖ Fossil fuel investment grew by 6 per cent over the same period to reach \$33 billion in 2023.
- ❖ India's target of 500 gigawatt (Gw) of renewable energy capacity by 2030 requires \$190 billion to \$215 billion of investment over the next seven years.

PERSONALITIES, AWARDS, AND EVENTS

WEF Technology Pioneer list 2024



- ❖ Every year, the World Economic Forum (WEF) selects 100 companies to work with influential political, business, and cultural leaders to tackle issues affecting people and the planet.
- ❖ WEF has selected 10 Indian technology startups for its 2024 Technology Pioneers program.
- ❖ These startups are recognised for their innovative work in artificial intelligence, clean energy, healthcare, biotech, space, and neurotechnology.

- ❖ The Indian companies chosen are Amperehour Solar, Cropin, Entri, HealthPlix, International Battery Company, Niramai, NxtWave, Pixxel, Sarvam AI, and String Bio.
- ❖ They were selected from startups in 23 countries.

MISCELLANEOUS

500-year-old bronze idol of India



- ❖ Oxford University has agreed to return a 500-year-old bronze idol of a saint believed to be stolen from a temple in Tamil Nadu to India.
- ❖ This 16th century bronze sculpture of Saint Tirumankai Alvar is in the Ashmolean Museum.
- ❖ The bronze idol believed to be stolen from a temple in Tamil Nadu

