

December - 01

TNPSC BITS

- ❖ Telangana has unveiled the world's first 3D-printed temple, in Burugupally, Siddipet district.
- ❖ Tata Consultancy Services (TCS) has been ranked number 1 in service delivery quality and commercial competitiveness in Spain.
- ❖ The Global Digital Public Infrastructure Repository and a Social Impact Fund aimed at promoting the development of Social Impact Fund to advance Digital Public Infrastructure (DPI) in the Global South was launched during the G20 Leaders' Summit.
- ❖ An Army Medical Corps Officer Col Sunita BS becomes the first woman to assume the role of Commanding Officer at Armed Forces Transfusion Centre, Delhi Cantt.
- ❖ The Nepal Army and Indian army is participating in the 17th edition of Joint Military Exercise SURYA KIRAN at Pithoragarh, Uttarakhand.
- ❖ The 9th National Level Pollution Response Exercise (NATPOLREX-IX) was conducted by the Indian Coast Guard in Gujarat.
- ❖ REC Limited received the "Best Employer for Policies in Diversity & Inclusion" Award at the 4th Diversity & Inclusion Excellence Awards and Conclave organized by Assocham.
- ❖ The book, titled 'Pranab, My Father: A Daughter Remembers' is authored by Sharmishtha Mukherjee, daughter of Pranab mukharjee.
- ❖ IndiGo airlines launched its AI chatbot, 6Eskai to elevate its customer service experience.
- ❖ Anish Shah has been elected as President for 2023-24 of Federation of Indian Chambers of Commerce & Industry (FICCI).
- ❖ Indian shooter Anish Bhanwala won the bronze medal in the men's 25m rapid fire pistol event at the ISSF World Cup Final 2023 in Doha, Qatar.
 - It was also the first medal for India in the men's 25m rapid fire pistol event in the ISSF World Cup Final history.

NATIONAL

PM Vishwakarma under PIDF scheme

- ❖ Reserve Bank has been decided to include PM Vishwakarma under the Payments Infrastructure Development Fund (PIDF) Scheme.

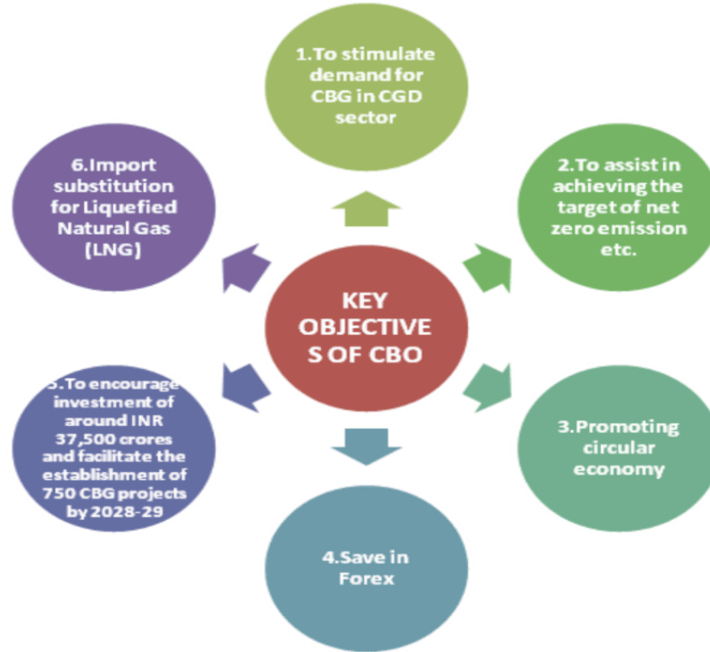
- ❖ It also extends the tenure of the scheme by another two years.
- ❖ The PIDF Scheme aims at incentivising the deployment of payment acceptance infrastructure such as physical Point of Sale (PoS), Quick Response (QR) codes in tier-3 to tier-6 centres, north-eastern states and Union Territories of Jammu & Kashmir and Ladakh.
- ❖ PM Vishwakarma scheme proposed to offer up to 8% subsidy for loans given to artisans.



Compulsory Blending Obligation (CBO) of CBG

- ❖ The Centre announced a roadmap for mandatory blending of compressed biogas (CBG) in the transportation and domestic segments of the city gas distribution (CGD) sector in a phased manner.
- ❖ The government expects this decision will push manufacturing and consumption of CBG.
- ❖ The compulsory blending obligation will be 1 per cent of total CNG and domestic PNG consumption for FY26, 3 per cent for FY27, and 4 per cent for FY28.

- ❖ The obligation mandates 5 per cent blending from FY29.



Indian Ocean Tuna Commission



- ❖ The Department of Fisheries, Ministry of Fisheries, Animal Husbandry & Dairying, is organizing the 19th Working Party on Data Collection and Statistics (WPDCS19) of the Indian Ocean Tuna Commission (IOTC).
- ❖ This is an important meeting organized by the IOTC and hosted by Department of Fisheries, India.

- ❖ It will bring together the renowned Scientists and Experts in the field of Tuna fisheries from all around the world.
- ❖ The IOTC currently has 31 contracting parties and two cooperating non-contracting parties, Liberia and Senegal.
- ❖ Tunas alone contributing an estimated annual value of trade of US\$41 billion (in 2018).

INTERNATIONAL

AI's secure by design



- ❖ The United States, Britain and some other countries unveiled the first detailed international agreement regarding AI Security.
- ❖ It deals points related to, how to keep artificial intelligence safe from rogue actors, pushing for companies to create AI systems that are "secure by design."
- ❖ The 18 countries agreed that companies designing and using AI need to develop and deploy it in a way that keeps customers and the wider public safe from misuse.

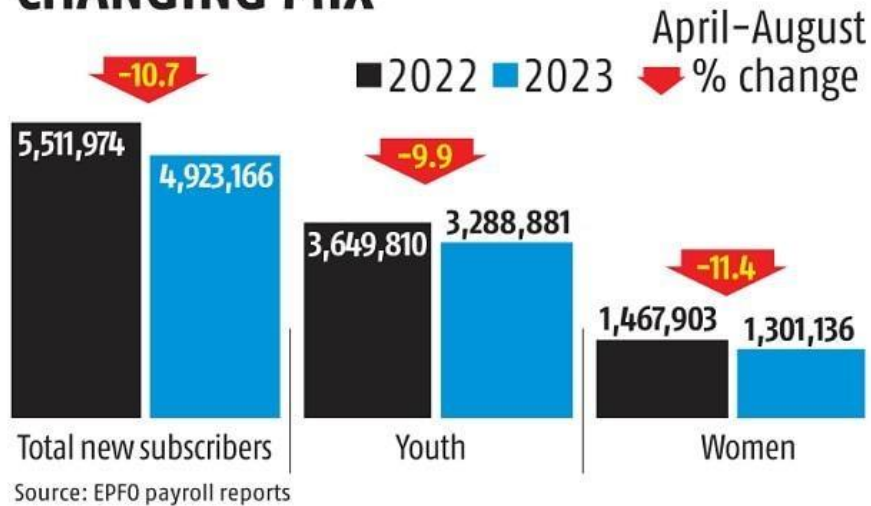
- ❖ The agreement is non-binding and carries mostly general recommendations such as monitoring AI systems for abuse, protecting data from tampering and vetting software suppliers.

ECONOMY

Fresh formal jobs

- ❖ The Employees' Provident Fund Organisation (EPFO) payroll data showed that cumulatively 4.92 million new subscribers joined the social security organisation between April-August this year.
- ❖ This was 5.51 million in the same period in the previous year.
- ❖ It is reflecting a 10.7 per cent decline in the number of new payrolls created.

CHANGING MIX



SCIENCE AND TECHNOLOGY

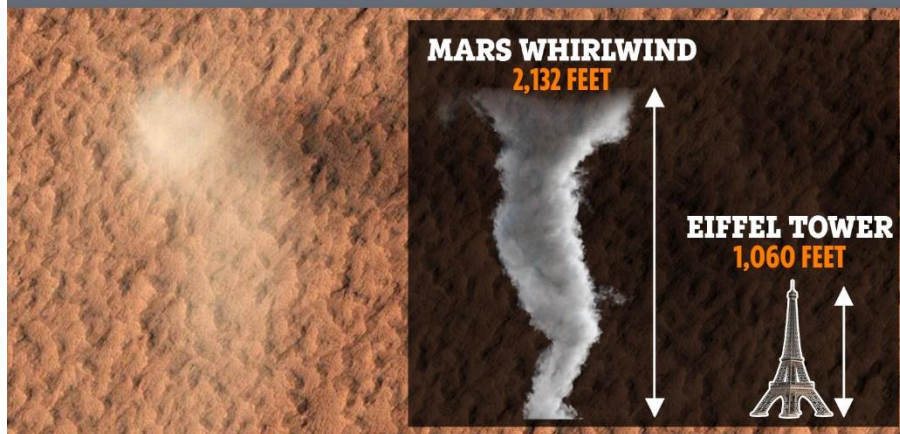
Dust Devil on Mars

- ❖ NASA's 'six-wheeled geologist,' the Perseverance rover has captured a Martian dust devil on camera.
- ❖ A dust devil is a dust tornado, similar to the tornadoes we see on Earth.
- ❖ Generally, Martian tornadoes are smaller than the one we see on our planet.
- ❖ But as per calculations based on the tornado's shadow, was about two kilometres (1.2 miles) in height.

- ❖ This is much taller than the average tornado the US experiences every year, and about five times the height of the US Empire State Building.
- ❖ The rover spotted the dust devil on a location nicknamed "Thorofare Ridge."
- ❖ It was about four kilometres or 2.5 miles away from the Perseverance Rover.
- ❖ It was moving at a speed of about 19 kilometres per hour or 12mph.
- ❖ As per estimates, its width was about 200 feet (or 60 metres).

GIANT WHIRLWIND SPOTTED ON MARS

A rare image of a giant dust devil whirlwind swirling over Mars has been captured by a Nasa spacecraft



Mabella' vaccine



- ❖ Vaccine maker Indian Immunologicals (IIL) has launched measles and rubella vaccine Mabella for children.

- ❖ A live-attenuated MR vaccine developed in an exclusive partnership with Polyvac Institute of Vietnam.
- ❖ The launch addresses the urgent need for control of deadly measles and rubella that claim about one lakh lives of children globally.

PERSONALITIES, AWARDS, AND EVENTS

National Metallurgist Award 2022

- ❖ National Metallurgist Award (NMA) 2022 was awarded by the Union Ministry of Steel.
- ❖ Five distinguished metallurgists were being conferred with the coveted NMA 2022 in five categories.
- ❖ The award winners
 - Dr Kamachi Mudali Uthandi - Lifetime Achievement Award
 - Dr Debashish Bhattacharjee - National Metallurgist Award
 - Dr Rameshwar Sah - R&D in Iron & Steel Sector
 - Dr Niloy Kundu - Young Metallurgist (Environment) Award
 - Agilan Muthumanickam - Award Young Metallurgist (Metal Science) Award



IMPORTANT DAYS

National Cadet Corps (NCC) 2023 - 75th Anniversary

- ❖ The National Cadet Corps (NCC) celebrated its 75th anniversary on November 27, 2023.
- ❖ It is serving as the youth wing of the Indian Armed Forces; it operates from its headquarters in New Delhi.



- ❖ The NCC is a voluntary military cadet corps under the Union Ministry of Defence and is open to school and college students.
- ❖ The origin of NCC can be traced to the 'University Corps', which was created under the Indian Defence Act, 1917.
- ❖ In 1920, when the Indian Territorial Act was passed, the 'University Corps' was replaced by the University Training Corps (UTC).
- ❖ Subsequently, the National Cadet Corps Act was accepted by the Governor General and the NCC came into existence on 15 July, 1948.

