



**Target4IAS**  
Together We Can

## Weekly Current Affairs

(Sources: The Hindu+IE+PIB)

(21.03.21 to 27.03.21)

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## Pradhan Mantri Awas Yojana – Gramin

### In news

Under the Pradhan Mantri Awas Yojana – Gramin (PMAY-G), a flagship programme of the Government of India, 92% target of completion has been achieved in the 1<sup>st</sup> phase of the scheme i.e. from 2016-17 to 2018-19

### What is Pradhan Mantri Awas Yojana – Gramin (PMAY-G)

- Flagship programmes of the Government of India which is driven by the noble objective of providing **“Housing for All” by the year 2022.**
- It is a social welfare program through which the Government provides financial assistance to houseless beneficiaries identified using SECC 2011 data to help them construct a house of respectable quality for their personal living.
- The Permanent Wait List of the Pradhan Mantri Awas Yojana was prepared based on the Socio-Economic Caste Census (SECC), 2011.
- To identify the beneficiaries those who are eligible and not included in the survey, the Awaas+ survey was conducted.

## Pradhan Mantri Formalization of Micro Food Processing Enterprises Scheme

### In news

Recently, the Ministry of Food Processing Industries (MoFPI) agreed to work with the Ministry of Rural Development (MoRD) to implement the PM FME scheme. The Deendayal Antyodaya Yojana-National Rural Livelihood Mission (DAY-NRLM) operating under MoRD is to work with the MoFPI to implement the scheme.

- **Launched by:** Ministry of Food Processing Industries (MoFPI)
- **Centrally Sponsored Scheme** to be implemented over a period of five years from 2020-21 to 2024-25 with an outlay of Rs 10,000 crores.
- It aims to increase access to finance by micro processing units. It also aims in compliance with food quality and safety standards. The scheme focuses on women entrepreneurs and aspirational districts.
- Support Self Help Group (SHG) entrepreneurs in food processing.
- The Ministries are to provide seed capital support to the Self-Help Group members. Accordingly, Rs 40,000 is to be provided to every Self-Help Group member.

## Quasar:

### In news:

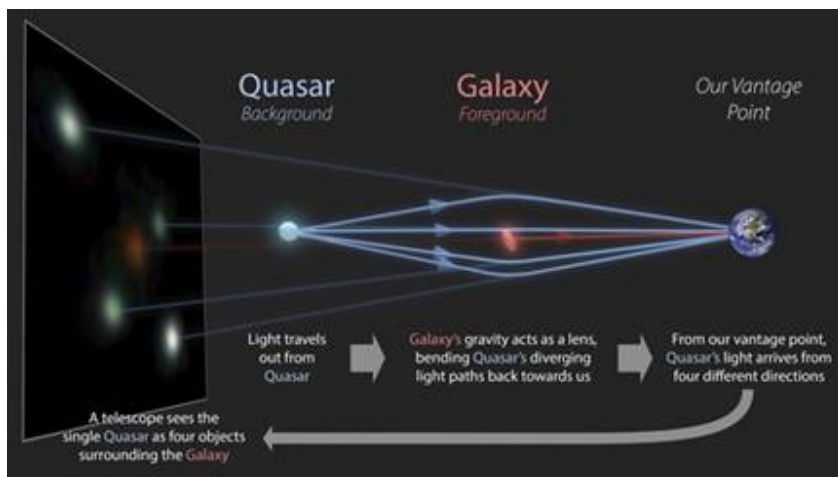
Group of astronomers have discovered a dozen of quasars that were warped by naturally occurring cosmic lens. Warping is twisting. With this discovery, the number of known quasars has increased by 25%. This can help to determine the expansion rate of the universe and will also help address other mysteries.

### What is Quasar:

- Quasars are extremely luminous cores of distant galaxies that are powered by supermassive black holes.
- The mass of Quasars is millions to billions of times the mass of the sun.
- Quasars are usually found in the centres of active galaxies.

### Hubble constant

Recently, several discrepancies have emerged over the precise value of the expansion rate of the universe. The expansion rate of the universe is called Hubble's constant. There are two primary means that can be used to determine Hubble's constant. One is through measurement of distance and speed of objects in the local universe. The other method to find the Hubble's constant is by extrapolating the rate from models based on distant radiation left over from the birth of the universe. The later is called the Cosmic Microwave background



## **Anamaya: Tribal Health Collaborative**

### **In news**

The Union Health and Family Welfare Minister recently launched the Tribal Health Collaborative called “Anamaya”.

### **Key Takeaways:**

- It was launched by the Ministry of Health and Family Welfare in collaboration with the Ministry of Tribal Affairs.
- The initiative will also be supported by the Bill and Melinda Gates Foundation and Piramal Foundation.
- The main objective of the initiative is to enhance health and nutrition eco-system of tribal communities in India.
- It will set up the National Council on Tribal Health and a Tribal Health Cell to monitor the health care needs in tribal areas.

**Note:** Abhay Bang Committee submitted a report on “Tribal Health in India”

## **World Health Day**

Every year the World Health Day is celebrated by the World Health Organization on April 7. This year, the World Health Day is celebrated under the following theme

**Theme: Building a fairer, healthier World for everyone**

## **SUPACE Portal-AI driven portal**

### **In news**

Chief Justice of India launches the Supreme Court’s “SUPACE Portal”.

### **Key takeaways:**

- It is an artificial intelligence-based portal. It will make the research work easier for judges, thereby easing their workload.
- It collects relevant facts and laws and makes them available to a judge.
- It is not designed to make decisions. It only processes facts and makes them available to judges, looking for input for a decision.

**Note:** During the inauguration, CJI said: “Artificial Intelligence (AI) is to the intellect, what muscle memory is to the mind”.

## Digital RMB

### In news

China has launched pilot trials of **its new digital currency**, with reported plans of a major roll-out by the end of the year and ahead of **the Winter Olympics in Beijing in February 2022**

### Key takeaways:

- This is a legal tender guaranteed by the central bank, not a payment guaranteed by a third-party operator.
- No third-party transaction, and hence, no transaction fee.
- Unlike e-wallets, the digital currency does not require Internet connectivity. The payment is made through Near-field Communication (NFC) technology.
- Unlike non-bank payment platforms that require users to link bank accounts, this can be opened with a personal identification number.

## Film certification tribunal

### In news

The government by an ordinance abolished the Film Certificate Appellate Tribunal (FCAT), which heard appeals by filmmakers seeking certification for their films. **The Tribunals Reforms (Rationalisation and Conditions Of Service) Ordinance, 2021**, which came into effect on April 4, amends **the Cinematograph Act, 1952** by omitting some sections and replacing the word “Tribunal” with “High Court” in other sections.

### FCAT

- It was a statutory body constituted by the Ministry of Information & Broadcasting in 1983, under Section 5D of the Cinematograph Act, 1952.
- Its main job was to hear appeals filed under Section 5C of the Cinematograph Act, by applicants for certification aggrieved by the decision of the Central Board of Film Certification (CBFC).
- The tribunal was headed by a chairperson and had four other members.
- The Tribunal was headquartered in New Delhi.

## LA PEROUSE:

- It is a multilateral maritime exercise being conducted in the Eastern Indian Ocean Region.
- Led by French Navy.
- India is taking part in it.

## NATO

### In news

Ukrainian President Volodymyr Zelensky has urged NATO to speed up his country's membership in the alliance, saying it was the only way to end fighting with pro-Russia separatists.

### About NATO

- It is an intergovernmental military alliance.
- Established by Washington treaty.
- Treaty that was signed on 4 April 1949.
- Headquarters — Brussels, Belgium.
- The most recent member state to be added to NATO was North Macedonia on 27 March 2020.
- NATO membership is **open to “any other European state in a position to further the principles of this Treaty and to contribute to the security of the North Atlantic area.**

## FDI inflows in the country

India has attracted total FDI inflow of US\$ 72.12 billion during April to January, 2021.

### Key Takeaways

- In terms of top investor countries, 'Singapore' is at the apex with 30.28% of the total FDI Equity inflow followed by U.S.A and UAE .
- Japan has been leading the list of investor countries to invest in India with 29.09% of the total FDI Equity.
- The Computer Software & Hardware has emerged as the top sector during the first ten months of F.Y. 2020-21 followed by Construction (Infrastructure) Activities and Services Sector respectively.

### Chenab railway Bridge

- ◆ The Chenab Railway Bridge is the world's highest single-arch railway bridge being constructed in J&K
- ◆ The bridge stands 359m (1,178ft) above the Chenab riverbed, 35m higher than the Eiffel Tower (324m)



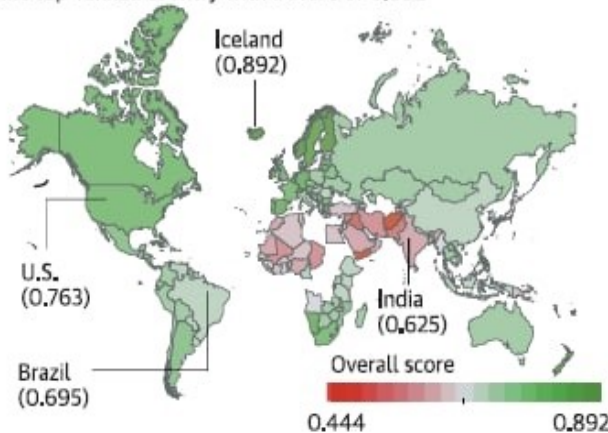
- ◆ The total length of the bridge is 1315m with main arch span of 467m
- ◆ For the first time in the world, the launching of segments is done on transition & circular curve
- ◆ The world's largest crossbar cable crane that can handle loads up to 40T at tandem in single hook is being used for erection activities
- ◆ Chenab Bridge will significantly boost socio-economic development of J&K

## Global Gender Gap Report 2021

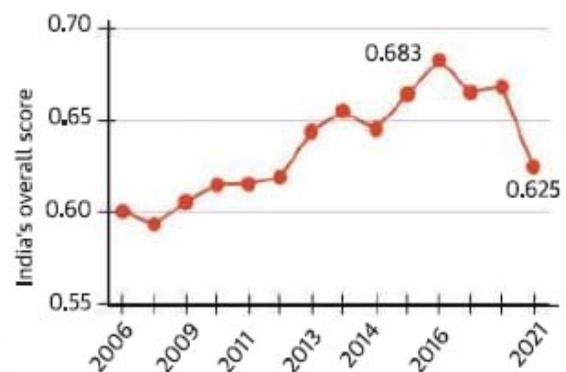
# Gender disparity deepens

India fell 28 spots to the 140th position in the World Economic Forum's Global Gender Gap Report 2021. The index measures the level of gender parity achieved in a country. The higher a country's score, the closer the country is towards attaining complete gender parity. For instance, India's score of 0,625 indicates that the country has achieved 62.5% gender parity. Among the dimensions used to measure gender parity, India had its lowest ranking in terms of health and survival. **By The Hindu Data Team**

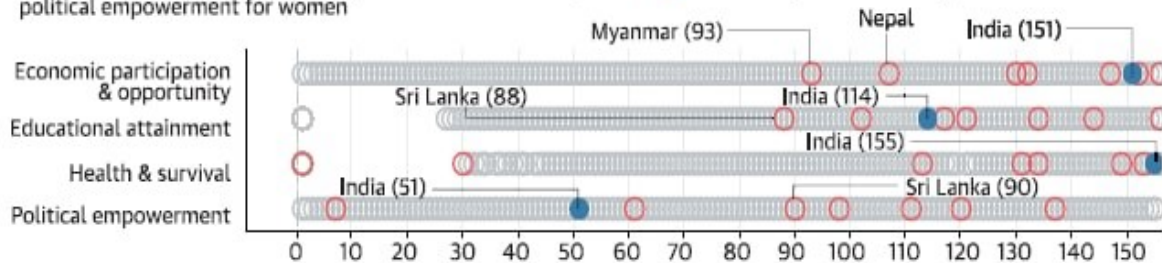
**WHERE INDIA STANDS |** The map shows a country's gender gap index score, between 0 and 1, in 2021. With a score of 0,625 India was ranked 140 out of 156 countries, Iceland was the top-ranked country with a score of 0,892



**PROGRESS CHART |** After a consistent rise from 2006, India's gender parity score reached a high of 0,68 in 2016. However, the score has dropped sharply since then and reached the lowest in a decade in 2021



**WHERE INDIA STANDS |** The chart depicts country rankings across four major dimensions used to measure progress towards gender parity. India (●) ranked among the bottom countries in terms of economic participation and opportunity, and health and survival, as did many of its South Asian neighbours (○). The country fared relatively better in terms of political empowerment for women






**Ingenuity Mars Helicopter**

# Touchdown before historic take-off

Nasa's Ingenuity mini-helicopter has been dropped on the surface of Mars in preparation for its first flight



**Ingenuity helicopter: First powered flight on Mars**  
It is expected to make its first flight attempt no earlier than April 11

**MAIN MISSION**  
First test of a powered flight on another planet

Test flights during a 30-Martian-day\* experimental window

Take off, fly, and land with minimal commands from Earth sent in advance

**PERSEVERANCE ROVER**  
2.2 m

**INGENUITY:**  
1 Hitched a ride on rover's belly, which touched down on Feb 18  
2 Deployed to Martian surface on Apr 3

- **FLIGHT ALTITUDE:** up to 5 m
- **RANGE:** up to 300 m
- **MARS ENVIRONMENT:** Very thin atmosphere, less than 1% the density of Earth's
- **HELICOPTER WEIGHT:** 1.8 kg on Earth, 0.68 kg on Mars

**SOLAR PANEL**  
Power good for one 90-second flight per day

**ANTENNAS**

**BLADES**  
Span: 1.2 m

**Batteries**

**Avionics and body**

**Sensors, cameras**

**Legs**

**GROUND SITUATION**  
The ultra-light aircraft was fixed to the belly of the Perseverance rover, which touched down on the Red Planet on February 18. Ingenuity was feeding off the Perseverance's power system but will now have to use its own battery to run a vital heater to protect its unshielded electrical components from freezing and cracking during the bitter Martian night.

**MISSION OBJECTIVE**  
Ingenuity will be taking photographs as it flies. Up to five flights of gradual difficulty are planned over the month. The 1.8kg rotorcraft cost Nasa around \$85 million to develop and is considered a proof of concept that could revolutionise space exploration. Future aircraft could cover ground much quicker than rovers


**WHAT NEXT?**  
Over the next couple of days, the Ingenuity team will check that the helicopter's solar panels are working and recharging its battery before testing its motors and sensors ahead of its first flight. Ingenuity is expected to make its first flight attempt no earlier than April 11, the Jet Propulsion Laboratory tweeted

**FIRST FLIGHT**  
Ingenuity will be attempting to fly in an atmosphere that is 1% the density of Earth's, which makes achieving lift harder - but will be assisted by gravity that is one-third of our planet's. The first flight will involve climbing at a rate of about 3 feet per second to a height of 30 feet, hovering there for 30 seconds, then descending back

Sources (including helicopter image): NASA/JPL-Caltech

\*Martian days: 24 h 37 mins  
Earth days: 23 h 56 mins

**"MarsHelicopter touchdown confirmed! Its 293 million mile (471 million kilometre) journey aboard @NASAPersevere ended with the final drop of 4 inches (10 centimetre) from the rover's belly to the surface of Mars today. Next milestone? Survive the night."**  
-JET PROPULSION LAB TWEET



**In news**

NASA's **Ingenuity** mini-helicopter has been dropped on the surface of Mars in preparation for its first flight. The helicopter had been fixed to the belly of the **Perseverance** rover.

**About Ingenuity Mars Helicopter:**

Part of NASA's **Mars 2020** mission, the small coaxial, drone rotorcraft will serve as a technology demonstrator for the potential use of flying probes on other worlds, with the potential to scout locations of interest and support the future planning of driving routes for Mars rovers.

**Perseverance Mission:**

Launched on **July of 2020.**

## **TARGET4IAS: TOGETHER WE CAN**

- Objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life.
- It will characterize the planet's geology and past climate and be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
- Perseverance is fueled by electrical power by using heat of plutonium's radioactive decay