

Bihar Special

Child Pornography

Why in the news?

Bihar is one of the top states in the country in terms of serious crimes like child pornography.

- ❖ **Source:** Tipline report from the National Center for Missing and Exploited Children (NCMEC).
- ❖ **Action Taken:** Economic Offenses Unit (EOU) of Bihar Police registered 27 FIRs based on the report.
- ❖ **Districts with Maximum FIRs:** Patna, Buxar, and Gopalganj.

Economy

Monetary Policy Committee Meeting

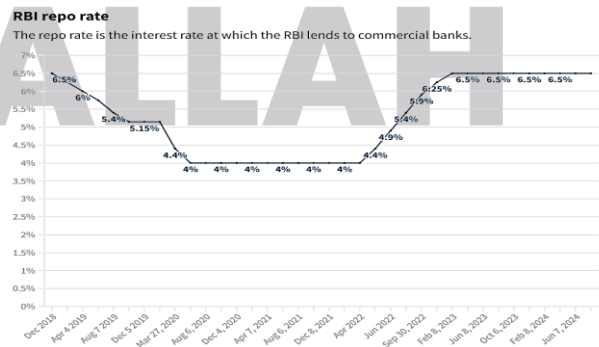
Why in the news?

The Reserve Bank of India (RBI) Governor Shaktikanta Das announced the bi-monthly monetary policy statement, keeping the repo rate, which is the central bank's rate for short-term loans to banks, unchanged at 6.5%.

- ❖ **Monetary Policy Committee (MPC) Meeting:** Held third bi-monthly policy meeting from 6 to 8 August 2024.

- ❖ **Key Interest Rate:** RBI kept the repo rate unchanged at 6.50% for the ninth consecutive policy meeting.
- ❖ **Inflation Target:** The Central Bank aims to sustainably lower inflation towards its 4% target.
- ❖ **GDP Growth Forecast:** Revised to 7.2% for FY25, up from the previous estimate of 7%.
- ❖ **Inflation Forecast:** Unchanged at 4.5% for FY25.

Note-Monetary policy is a set of actions to control a nation's overall money supply and achieve economic growth.



Miscellaneous

Kavach 4.0

Why in the news?

Railway Minister Ashwini Vaishnav announced that the Automatic Train Protection (ATP) system, Kavach, will be operational on the 3,000-km Mumbai-Delhi and Delhi-Kolkata rail routes by March 2025.

- ❖ **Kavach Version 4.0:** Approved by the Research Designs and Standards Organisation (RDSO) on 17 July, 2024.
- ❖ **Capabilities:** Designed to address communication challenges in various geographical conditions (hilly, forested, coastal, and desert areas).

High-Density Routes:

- ❖ **Delhi-Howrah and Delhi-Mumbai routes:** 3,000 Rkms by the end of this fiscal
- ❖ **Section-by-section commissioning** to start immediately after upgrading to Kavach 4.0
- ❖ **Delhi-Chennai and Mumbai-Chennai routes:** 3,300 Rkms to follow

Subsequent Coverage: All automatic signalling sections of 5,000 Rkm are to be covered through Kavach.

Current Coverage:

- ❖ Kavach deployed on 1,465 Rkms (3% of the total 68,000 Rkms of the Railways)

Future Plans:

- ❖ 5,000-5,500 Rkms expected to be covered annually from next year onwards as new capacities come on-stream.

Bailey Bridge

Why in the news?

The Indian Army's Madras Engineer Group had recently assembled a Bailey bridge at Chooralmala to reach Mundakkai village, one of the sites worst hit by the landslides in Wayanad.

- ❖ The 190-foot bridge has since been crucial in facilitating the movement of men, heavy machinery and ambulances.
- ❖ It can carry weights up to 24 tonnes, and will remain in use until a permanent bridge is built.

About Bailey Bridge

- ❖ A Bailey bridge is a type of modular bridge whose parts are pre-built, so they can be put together quickly as needed.
- ❖ Donald Coleman Bailey, an English civil engineer, invented it during World War 2 (1939-45).

History of Bailey Bridge:

- ❖ The first sketch by Bailey in 1941, was given to the British War Office.
- ❖ Designed to be moved, rebuilt, or replaced quickly, even under enemy fire.

How Bailey Bridge Works:

- ❖ **Pre-fabricated Parts:** Include light steel panels linked with pins (screw-like objects).

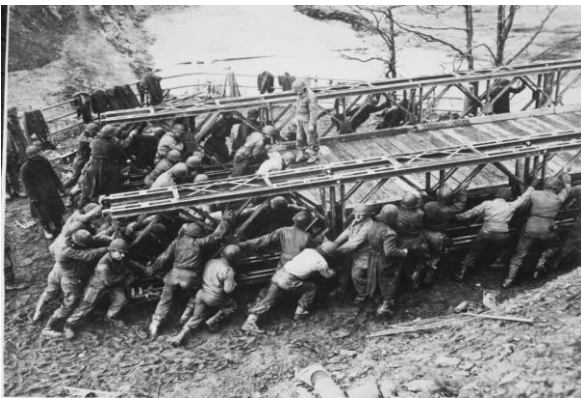
Construction:

- ❖ Panels form the guardrails.
- ❖ Beams are placed through guardrails to form the deck.
- ❖ Beams lock into guardrails for stability.

Mobility:

- ❖ The bridge can be extended.
- ❖ Lightweight parts allow for easy transport and assembly without heavy equipment.

Usage: Ideal for disaster relief and wartime due to transportability in small trucks.



Digital Shakti Centre

Why in the news?

The National Commission for Women inaugurated the Digital Shakti Center to combat cyber crimes against women.

- ❖ Inauguration of "Digital Shakti Center" by NCW in collaboration with CyberPeace Foundation.
- ❖ **Inauguration:** Officially inaugurated by NCW Chairperson Rekha Sharma.
- ❖ **Purpose:**
 - Raise awareness about cyber crimes targeting women.
 - Provide technical support for registering and addressing complaints.
- ❖ **Importance:** Initiative addresses the rise in cyber crimes such as identity theft, cyberstalking, and sexual exploitation.
- ❖ **Services:**
 - Expert guidance for timely and effective resolution of cybercrime complaints.
 - Builds on the success of the Digital Shakti campaign launched in 2018.
- ❖ **Digital Shakti Campaign Impact:**
 - Reached millions of women.
 - Equipped women with knowledge and tools to safeguard their digital spaces.

- ❖ **Cyber Crime Statistics:**
 - Cases increased from 52,974 in 2021 to 65,893 in 2022.
 - NCW registered 608 complaints related to cyber crimes against women in 2023 (2.2% of total complaints).
 - As of August 1, 2024, 386 complaints registered (2.5% of total).
- ❖ **Campaign Reach:**
 - 6.86 lakh netizens through direct sessions.
 - Over 2.67 crore individuals online.
- ❖ **Current Phase:** Launch of the 5th phase of Digital Shakti in collaboration with CyberPeace Foundation.



Awards and Honors

Rashtriya Vigyan Puraskar

Why in the news?

The government announced recipients of the prestigious Rashtriya Vigyan Puraskar.

- ❖ The award ceremony is on August 23rd, 2024, coinciding with the celebration of National Space Day.

- ❖ The Rashtriya Vigyan Puraskar has been given in the following 13 domains, namely: Physics, Chemistry, Biological Sciences, Mathematics & Computer Science, Earth Science, Medicine, Engineering Sciences, Agricultural Science, Environmental Science, Technology & Innovation, Atomic Energy, Space Science and Technology, and others.

Awards	Recipient
Vigyan Team Award	ISRO-Chandrayaan Team 3
Vigyan Ratna Award	Professor G. Padmanabhan
Vigyan Shri Award Recipients	Anandharamakrishnan C Umesh Varshney Bhim Singh Adimurthi Adi Syed Wajh Ahmad Naqvi Sanjay Behari Rahul Mukherjee
Vigyan Yuva Award Recipients	Dr. Bappi Paul Dr. Abhilash Radha Krishnan Mahalakshmi Purabi Saikia Digendranath Swain Prabhu Rajagopal Prashant Kumar

RASHTRIYA VIGYAN PURASKAR - 2024

Vigyan Ratna | Govindarajan Padmanabhan (Biological Sciences)

Vigyan Shri

Anandharamkrishnan C (Agricultural Science), Avesh Kumar Tyagi (Atomic Energy), Umesh Varshney (Biological Sciences), Jayant Bhalchandra Udgaonkar (Biological Sciences), Syed Wajih Ahmad Naqvi (Earth Science), Bhim Singh Engineering Sciences, Adimurthi Adi (Mathematics and Computer Science), Rahul Mukherjee (Mathematics and Computer Science), Sanjay Behari (Medicine), Lakshmanan Muthusamy (Physics), Naba Kumar Mondal (Physics), Annapurni Subramaniam (Space Science and Technology), Rohit Srivastava (Technology and Innovation)



Vigyan Yuva

Krishna Murthy S L (Agricultural Science), Swarup Kumar Parida (Agricultural Science), Radhakrishnan Mahalakshmi (Biological Sciences), Aravind Penmatsa (Biological Sciences), Vivek Polshettiwar (Chemistry), Vishal Rai (Chemistry), Roxy Mathew Koll (Earth Science), Abhilash (Engineering Sciences), Radha Krishna Ganti (Engineering Sciences), Purabi Saikia (Environmental Science), Bappi Paul (Environmental Science), Mahesh Ramesh Kakde (Mathematics and Computer Science), Jitendra Kumar Sahu (Medicine), Pragya Dhruv Yadav (Medicine), Urbasi Sinha (Physics), Digendranath Swain (Space Science and Technology), Prashant Kumar (Space Science and Technology), Prabhu Rajagopal (Technology and Innovation)

Vigyan Team | Isro team Chandrayaan 3 (Space Science and Technology)

Obituary

Tsung-Dao Lee

Why in the news?

Tsung-Dao Lee, a Chinese-born American Nobel Prize winner in Physics, renowned for his contributions to high-energy physics and his role in advancing China's science education, passed away recently.

Books And Authors

"Call of the Gir"

Why in the news?



The Prime Minister, Shri Narendra Modi received "Call of the Gir" a coffee table book on Gir and Asiatic lions by Rajya Sabha Member, Parimal Nathwani.

News in Short

- ❖ Indian wrestler Vinesh Phogat has announced her retirement. Her decision came after she was disqualified from the tournament after reaching the Paris Olympics final.
- ❖ The legendary Indian classical dancer Dr Yamini Krishnamurthy passed away
- ❖ Buddhadeb Bhattacharjee, veteran Left leader and former West Bengal Chief Minister, died.



PW Web/App: <https://smart.link/7wwosivoicgd4>

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