

August - 20

TNPSC BITS

- ❖ Hyundai Motor India has signed an Asset Purchase Agreement (APA) for the acquisition of identified assets at General Motors India's Talegaon Plant in Maharashtra.
- ❖ The Madras High Court has directed the State government to acquire all private forests that fall within the notified elephant corridor on Sigur Plateau in the Nilgiris district.
- ❖ The "Janjatiya Gaurav Corridor" initiative has been launched to boost rail infrastructure and enhance rail connectivity in tribal-dominated regions.
- ❖ The Karnataka government launched the Gruha Jyothi free power scheme which provide free electricity up to 200 units for every household in the state.

TAMIL NADU

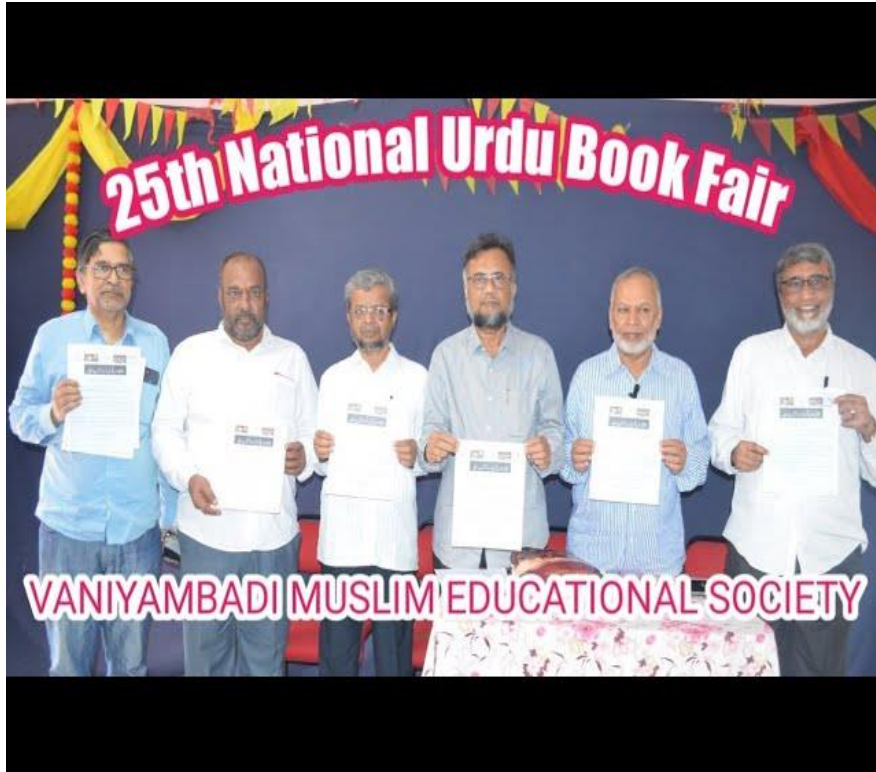
First-ever night street racing circuit



- ❖ A new street circuit, which will also hold night races, was launched by the Tamil Nadu government and Racing Promotions Private Limited (RRPL).
- ❖ It would become the first-ever street circuit in India and South Asia that will be hosting a night race.
- ❖ The newly launched track is set to host a couple of events - the F4 Indian Championship and the Indian Racing League.

- ❖ RRPL is also the promoter of the Indian Racing League and F4 Indian Championship.

Aligarh of the south



- ❖ Vaniyambadi in Tirupathur district is known as 'Aligarh of the south'.
- ❖ This is because of its affinity to the Urdu language and the many educational institutions thriving here since the 19th Century.
- ❖ The National Council for the Promotion of Urdu Language (NCPUL) held the 25th All India Urdu Book Fair at the Islamiah College in Vaniyambadi.
- ❖ Urdu-speaking Muslims here trace their roots to two historical periods.
- ❖ First were the Deccan sultanates, notably Bijapur and Golconda in the 15th and 16th Centuries, who popularised 'Dakhni', an early form of Urdu of the region written in adapted Arabic script.
- ❖ Second was a sub-division of Tamil speaking migrants (Tamil Dakhni) who had reached Vaniyambadi from Thanjavur, Madurai and elsewhere in the present-day Tamil Nadu in the late 19th Century.
- ❖ The following Tamil Muslims of the Arcot region were to make a major contribution to Urdu literature.
 - Kaka Abdul Azeez Faheem (1898-1943),

- Lappai Khateeb Mohamed Azam 'Maqbool' (1898-1958) and
- Bangi Abdul Qadir Daanish Farazi (1922-1981).

NATIONAL

Standing Committee on Chemicals and Fertilizers



- ❖ The Standing Committee of Parliament on Chemicals and Fertilizers, is headed by senior Congress leader Shashi Tharoor.
- ❖ Its reports have called for ending the import dependency on fertilizers such as urea, diammonium phosphate (DAP), muriate of potash (MOP), nitrogen, phosphorus, and potassium (NPK).
- ❖ The production of these fertilizers up to November, 2022 was 281.83 lakh metric tonnes but the consumption was 401.46 LMT.
- ❖ The committee noted that GST for fertilizers is at 5% and GST on raw materials like sulphuric acid and ammonia are at 18%.
- ❖ The panel sought the review of a nutrient-based subsidy (NBS) that covers fertilizers like P&K fertilizers.

Direct Incentive Disbursement Program

- ❖ The Postal Life Insurance (PLI) has initiated the 'Direct Incentive Disbursement' for its sales force in the Delhi and Uttarakhand circles.
- ❖ This program aims to revolutionize the way PLI's agents are rewarded and compensated.

- ❖ This initiative highlights PLI's recognition of the instrumental role played by its sales force in achieving organizational milestones.



Interpol Global Academy Network



- ❖ The Central Bureau of Investigation (CBI) Academy joined the Interpol Global Academy Network at a virtual event.
- ❖ The network supports academic collaboration among law enforcement training institutions across the world.
- ❖ The event was organised by the agency and the Singapore-based Interpol Global Complex for Innovation.

SCIENCE AND TECHNOLOGY

Hughes JUPITER 3 Mission

- ❖ SpaceX launched the world's largest commercial communications satellite, Jupiter 3.
- ❖ The Jupiter 3 joined others in the Hughes Jupiter satellite fleet already in orbit.

- ❖ It will enable HughesNet customers in the United States and Latin America to access satellite broadband with speeds as high as 100 Mbps

Hughes JUPITER™ 3 Next Generation Ultra High Density Satellite
Launching a new era of connectivity.

JUPITER 3 Quick Facts

- » Spectrum: Ka-band, Q- and V-band for gateways
- » Coverage: North & South America
- » Speed: Up to 100 Mbps
- » Capacity: More than 500 Gbps
- » Stowed Size: 26 feet long
- » Deployed Size: Solar arrays span 127 feet
- » Solar Arrays: 14 total
- » Position: 95° West longitude
- » Distance: 22,300 miles above the equator
- » Manufacturer: Maxar
- » Launcher: SpaceX
- » Service sectors: Consumer, small business, enterprise, government, service providers and aeronautical and maritime mobility
- » Spot beams: 300. Each beam carries 500 MHz or more, providing more than 1 Gbps to the VSAT users in each cell allowing faster service plans of up to 100 Mbps.

JUPITER 3 Gateways

- » Active Gateways: 18
- » Diverse Gateways for Service Continuity: 2
- » Each gateway transmits 11 GHz of V-band and Ka band and receives 4 GHz in Q-band.

JUPITER Fleet

- » JUPITER fleet total capacity: More than 1 Tbps
- » JUPITER 1 (EchoStar XVII): Launched July 2012 with 120 Gbps capacity
- » JUPITER 2 (EchoStar XIX): Launched December 2016 with 200 Gbps capacity
- » JUPITER 3 (EchoStar XXIV): Launching 2023 with more than 500 Gbps capacity

Follow along with us on the journey to JUPITER 3.
Visit [hughes.com/JUPITER3](https://www.hughes.com/JUPITER3)

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ENVIRONMENT

Indian eagle owl



- ❖ The Indian eagle-owl was classified as a species only in recent years.
- ❖ This is distinguishing it from the Eurasian eagle-owl.
- ❖ It is also called the rock eagle owl or Bengal eagle owl.
- ❖ The slightly larger female can reach a total length of two and a half feet, with a wingspan of six feet.

- ❖ Its nocturnal habits have meant that very little is known about this bird.

Impact of Climate Change on Shaligrams

- ❖ For more than 2,000 years, Hinduism, Buddhism and the shamanic Himalayan religion of Bon have venerated Shaligrams.
- ❖ It is an ancient fossil of ammonites, a class of extinct sea creatures related to modern squids.
- ❖ Shaligram stones are viewed primarily as manifestations of the Hindu god Vishnu.
- ❖ It is originating from a single remote region in northern Nepal — the Kali Gandaki River Valley of Mustang.
- ❖ Climate change, faster glacial melting, and gravel mining in the Kali Gandaki are changing the course of the river.
- ❖ Due to this impacts, fewer Shaligrams are only appearing each year.



REPORTS AND INDICES

Internet Resilience Index

- ❖ India achieved an overall score of 43 percent in the Internet Resilience Index (IRI), ranking sixth in the South Asian region.
- ❖ Countries like Bhutan (58 percent), Bangladesh (51 percent), Maldives (50 percent), Sri Lanka (47 percent), and Nepal (43 percent) are ahead of India in the IRI ranking.
- ❖ In terms of market readiness, India's Internet market's ability to self-regulate and provide affordability ranks relatively low.

- ❖ Further, mobile performance in India (29 percent) is nearly half that of fixed network performance (55 percent).

Our overall measure of Internet resilience is based on the following pillars:



Infrastructure

The existence and availability of physical infrastructure that provides Internet connectivity.



Performance

The ability of the network to provide end-users with seamless and reliable access to Internet services.



Security

The ability of the network to resist intentional or unintentional disruptions through the adoption of security technologies and best practices.



Market Readiness

The ability of the market to self-regulate and provide affordable prices to end-users by maintaining a diverse and competitive market.

PERSONALITIES, AWARDS, AND EVENTS

76 Gallantry awards



- ❖ The President Droupadi Murmu has approved 76 Gallantry awards to Armed Forces and Central Armed Police Forces personnel.
- ❖ These include
 - 4 Kirti Chakra (posthumous),
 - 11 Shaurya Chakras, including five posthumous,
 - 2 Bar to Sena Medals (Gallantry),
 - 52 Sena Medals (Gallantry),
 - 3 Nao Sena Medal (Gallantry) and
 - 4 Vayu Sena Medals (Gallantry).

- ❖ The President has also approved 30 Mention-in-Despatches to the Army.
- ❖ It is including to Army dog Madhu (Posthumous), and one to Air Force personnel for their significant contributions in different military operations.

SPORTS

World University Games campaign

Rank	Country/Region	🥇 ↑	🥈	🥉	🏆 ↑
1	 China	103	40	35	178
2	 Japan	21	29	43	93
3	 Rep. Korea	17	18	23	58
4	 Italy	17	18	21	56
5	 Poland	15	16	12	43
6	 Turkiye	11	12	12	35
7	 India	11	5	10	26
8	 Chinese Taipei	10	17	19	46
9	 Lithuania	6	4	2	12
10	 France	5	8	10	23

- ❖ India ended its World University Games (WUG) campaign 26 medals, including 11 gold held at China.
- ❖ India finished at seventh spot with 11 gold, 5 silver and 10 bronze, the best ever standing in the medal tally.
- ❖ India had won just 21 medals (6 gold, 6 silver and 9 bronze) before the 2023 World University Games.
- ❖ The 21-member shooting team performed the best with 8 gold, 4 silver and 2 bronze while archers won 3 gold, 1 silver and 3 bronze.
- ❖ One bronze came from judo.
- ❖ Host China has topped the standings with a whopping 178 medals), followed by Japan (79) and Korea (58).

