



August - 14

TNPSC BITS

- The Union Ministry of Culture and Tourism announced that the third edition of the "Har Ghar Tiranga" (HGT) campaign will take place from August 9 to 15, 2024.
- The first BIMSTEC (Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation) Business Summit meeting was held in New Delhi.
- The Cabinet Committee on Economic Affairs approved eight railway projects with total estimated cost of ₹ 24,657 crore.
- Three underwater geographical structures located in the Indian Ocean have been awarded names proposed by India.
 - The names are: Ashoka seamount, Chandragupt ridge and Kalpataru ridge.

NATIONAL



Million Designers, Billion dreams

- The Deendayal Antyodaya Yojana-National Rural Livelihoods Mission (DAY-NRLM) has announced the launch of the initiative "Million Designers, Billion Dreams."
- It aims to empower individuals across India with systems design know-how to tackle complex societal challenges.

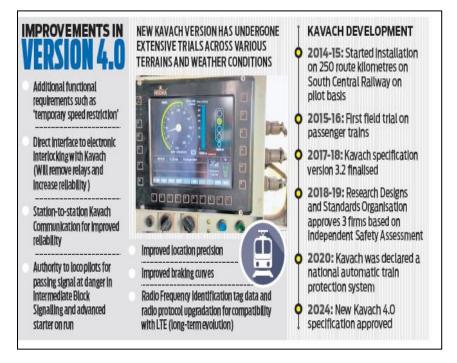




- It is a unique initiative designed to enhance the capacity of individuals through systems design know-how.
- ✤ It targets rural leaders, frontline change agents and village entrepreneurs, equipping them with the skills to create impactful, scalable solutions.

Kavach 4.0

- The railways have approved the installation of the "Kavach-4.0" anti-collision device on 10,000 locomotives.
- The new system surpasses the previous Kavach-3.2 model in technological advancement and reliability.
- The existing Kavach-3.2 system is effective on 1,465 routes and operational on 144 locomotives.



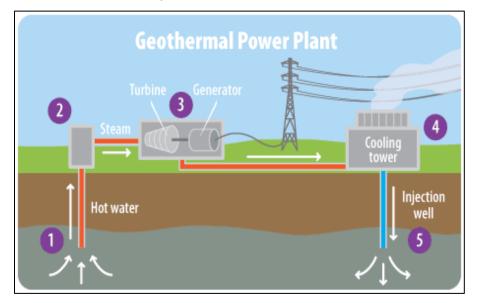
Geothermal Power Potential in India 2024

- ◆ India has identified a potential of approximately 10,600 MW of geothermal power.
- The Geological Survey of India's (GSI) report is titled 'Geothermal Atlas of India, 2022'.
- ✤ A 20-kW pilot geothermal power plant has been commissioned by Singareni Collieries Company Limited (SCCL) in Telangana.
- ◆ Geothermal Energy is renewable heat energy generated and stored in earth.



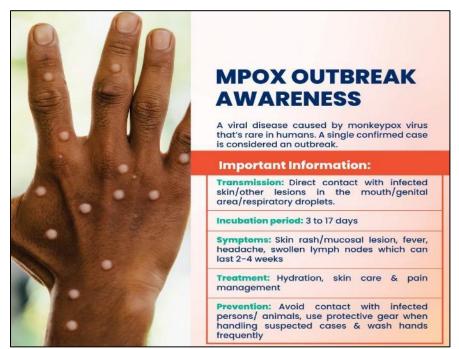


 Geothermal technology extracts this energy/heat for direct heating and cooling, or convert it into electricity.



INTERNATIONAL

Africa - Urgent Mpox Outbreak 2024



 Monkeypox outbreak began in Democratic Republic of Congo but has now spread over nine other African countries including Burundi, Central African Republic, Rwanda and South Africa.





- The mpox outbreak was last reported during 2022-23 and has intensified since then.
- ✤ The infection is similar to smallpox which was effectively eradicated in 1980.
- But mpox has continued to make headlines in central and west Africa.
- ♦ Historically, the first human case of mpox was recorded in DRC in 1970.
- ✤ Mpox is a zoonosis, a disease that is transmitted from animals to humans.

ECONOMY

Rural Youth Employment Report – 2024



- Nearly half of rural youth in India's primary source of income was from sales of agricultural produce.
- ✤ It is followed by daily wage labour and retail or wholesale trade
- Majority (70% 85%) of those currently engaged in the workforce in some capacity said they were looking for a change in work.
- Driver or electrician job were popular among men respondents.
- ◆ Tailoring (64.6%) and beauty (23%) were popular among women respondents.

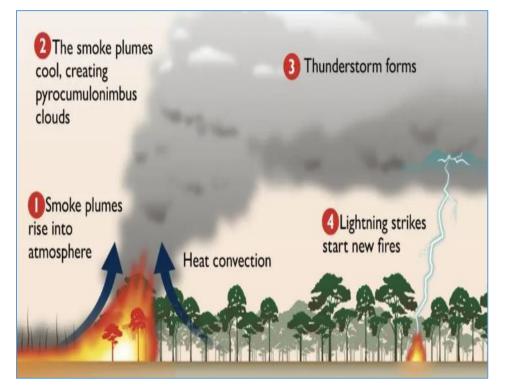




- 55% men and 40% women currently owning businesses also wanted to transition to a salaried job.
- Over 60 per cent male and 70 per cent females preferred to find work in or close to their villages, even when income was 20-30 per cent lower.

SCIENCE AND TECHNOLOGY

Pyrocumulonimbus Cloud



- The wildfires are currently raging in the United States and Canada are so intense that they have created 'pyrocumulonimbus' clouds.
- They have the potential to spit out thunder and spark more fires.
- Before 2023, 102 pyrocumulonimbus were recorded globally in a single year on average - 50 of them were seen in Canada.
- ✤ They occur only when there is an extremely hot wildfire.
- Volcanic eruptions can also lead to the formation of pyrocumulonimbus clouds.
- For instance, these clouds were formed during the Australian bushfires of 2019-2020 when temperatures crossed 800 degrees Celsius.
- These clouds can reach heights of 50,000 feet and generate their own systems of thunderstorms.
- These clouds can produce lighting, but do not generate much rain.





✤ As a result, they can spark new wildfires many kilometres away from the main blaze.

ENVIRONMENT

Miombo forest Protection



- The United Nations Food and Agriculture Organization (FAO) and the Italian Agency for Development Cooperation (AICS) have signed two agreements for the Miombo forest Protection.
- They will implement projects for protecting the miombo forest and facilitating trade in the border region between Mozambique and Zimbabwe.
- The first project was the Integrated Transboundary Sustainable Management of Miombo Forests.
- The second project is "Zim-Moza Agriculture Value Chain & Trade Development Project" (Zim-Moza ATDP).
- The Miombo is a biome that includes tropical and subtropical grasslands, bushlands, and savannahs.





✤ It also encompasses four bio-regions and is responsible for maintaining the Greater Zambezi, one of the most important transnational river basins.

REPORTS AND INDICES

Fortune's Global 500 list for 2024

Fortune	Global	500 List	2024	
1. Walmart United States	Refiance transmission	86 th Reliance Industries Limited		258 ^{0,} Bharat Petroleum Corporation Ltd
2. Amazon United States	LIC	95 th Life Insurance Corporation		271 st Tata Motors
3. State Grid China	Indianou	115 th Indian Oil Corporation	HDFC BANK	306 th HDFC Bank
4. Saudi Aramco Saudi Arabia	• SBI	178 th State Bank of India	P	473 ^{rd.} Rajesh Export
5. Sinopec China	alse ald	180 th Oil and Natural Gas Corporation		
	Walmart United States Z. Amazon United States State Grid China A. Saudi Aramco Saudi Arabia S. Sinopec	1. Walmart United States 2. Amazon United States United States 3. State Grid China 4. Saudi Arabia 5. Sinopec China	1. Walmart United States Image: Comparison of the Insurance Industries Limited 86 th Reliance Industries Limited 2. Amazon United States Image: Comparison of the Insurance Corporation 95 th Life Insurance Corporation 3. State Grid China Image: Comparison of the Insurance Corporation 116 th Indian Oil Corporation 4. Saudi Aramco Saudi Arabia Image: Comparison of the Insurance Comparison 178 th State Bank of India 5. Sinopee China Image: Comparison of the Insurance China 180 th Oil and Natural	United States Reference Restricted Both Netlance Industries Limited 2. Amazon United States UIC 95th Life Insurance Corporation Ifficience 3. State Grid China Ifficience 115th Indian Oil Corporation Ifficience 4. Saudi Arameo Saudi Arabia Ifficience 125th State Bank of India Ifficience 5. Sinopec China Ifficience 126th Oil and Natural

- Reliance Industries has improved its ranking in Fortune's Global 500 list for 2024 to 86 from 88.
- ✤ The company has gained 69 places in the last three years from 155 of 2021.
- ✤ India has nine companies in the Fortune's Global 500 list this year.
- Five of them from the public sector IOCL, LIC, ONGC, BPCL and SBI and four from the private sector.
- ✤ Walmart topped the list for 11th consecutive year.

Top 10 richest global central banks – 2024

- The top 10 wealthiest central banks in the world by total assets, as compiled by Sovereign Wealth Fund Institute (SWFI).
- Federal Reserve System of North America topped in the list
- ✤ It is followed by People's Bank of China and Bank of Japan.
- India's Reserve Bank of India ranks 12th around the world.





RBI balance sheet grew by 11.08% year on year to Rs 70.47 trillion as of March 31, 2024.

Rank	Name of the Bank	Country	Region
1	Federal Reserve System	USA	North America
2	People's Bank of China	China	Asia
3	Bank of Japan	Japan	Asia
4	Deutsche Bundesbank	Germany	Europe
5	Bank of France	France	Europe
6	Norges Bank	Norway	Europe
7	Bank of Italy	Italy	Europe
8	Bank of England	UK	Europe
9	Bank of Spain	Spain	Europe
10	Swiss National Bank	Switzerland	Europe

PERSONALITIES, AWARDS, AND EVENTS

Nobel Prize-Winning Physicist Tsung-Dao Lee



Chinese-American physicist Tsung-Dao Lee passed away recently.





- He has developed a model for studying various quantum phenomena known as the "Lee model".
- In 1957, Prof. Lee was awarded the Nobel Prize in physics together with Chen-Ning Yang.
- ✤ He became the second-youngest scientist to receive a Nobel Prize.
- He won many other accolades including the Albert Einstein Award in Science, the Galileo Galilei Medal and the G. Bude Medal.

IMPORTANT DAYS

World Lion Day 2024 - August 10



- ✤ It aims to increase public knowledge of wild lion conservation and protection.
- ♦ World Lion Day was first established in 2013 by Big Cat Rescue.
- The total population of wild lions in Africa could be around 20,000 and 25,000 individuals in 2023.
- ✤ In 2015, there were an estimated 523 lions in the Gir Forest, but this number increased to 674 in 2020.
- As per IUCN Red list, Asiatic Lion is Endangered and African Lion is Vulnerable.

World Steelpan Day 2024 - August 11

This day presents a chance to set ambitious goals for expanding the steelpan worldwide while honouring its Caribbean heritage.





- Steelpan is an extraordinary musical creation that emerged from the heart of Trinidad and Tobago.
- The theme of 2024 is "From Roots to Recognition: Steelpan's Journey to Global Acclaim".



ICoAS Foundation Day 2024 - August 09

- The Indian Cost Accounts Service (ICoAS) celebrated its Foundation Day with the theme 'ICoAS @ Viksit Bharat'.
- T. V. Somanathan has released an e-Book titled 'Indian Cost Accounts Service: An Overview', detailing ICoAS achievements.



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