

16th December 2022

INTERNATIONAL

1) Lawrence Livermore National Laboratory

- United States has announced a nuclear fusion breakthrough, a historic step towards the promise of 'near-limitless' clean energy and may help the fight to curb climate change.

- US Department of Energy said, researchers at the Lawrence Livermore National Laboratory in California for the first time produced more energy in a fusion reaction than was used to ignite it, something called net energy gain.

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2) Global Trade Surges to \$32 Trillion Record in 2022 Says UN

The value of global trade is set to reach a new record this year, increasing by about 12 per cent to an estimated \$32 trillion, according to a UN report that signaled a slowdown heading into 2023.
"The substantial trade growth during the last year was largely due to increases in the value of the trade of energy products," the United Nations Conference on Trade and Development said in the report.
Trade in merchandise goods soared to \$25 trillion, an increase of about 10 per cent versus the prior year. Trade in services grew 15 per cent year-over-year to nearly \$7 trillion, according to the report.

3) G-7 Agrees \$15.5B Energy Deal with Vietnam to Cut Emissions

- A group of nine rich industrialized nations approved a deal to provide Vietnam with \$15.5 billion to help the Southeast Asian nation move faster from coal power to renewable energy, cutting its climate-damaging pollution.





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- The Group of Seven major economies, along with Norway and Denmark, said in a statement that the aim is to help Vietnam reduce its emissions to "net zero" by 2050, a goal which expert say needs to be met globally to cap global warming at 1.5 degrees Celsius.

- The Just Energy Transition Partnership with Vietnam is among a series of agreements that developing and rich nations are negotiating. The first such deal was signed with South Africa last year, and a similar agreement was reached with Indonesia last month.

NATIONAL

1) signaled a slowdown heading into 2023

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2) Spectrum for satellite communication

India will be the first country to auction spectrum for satellite communication, and it should be designed to attract investments in the sector, telecom regulator Trai chairman PD Vaghela said.
 Speaking at a Broadband India Forum summit on SatCom, Vaghela said the Telecom Regulatory Authority of India (Trai) will soon make recommendations to make permissions required for satellite communication from various ministries — Information and Broadcasting, Space and Telecom — seamless to enhance ease of doing business in the sector.

- He also said Trai has received a reference from the Department of Telecommunication for the spectrum required to be put to auction and associated aspects of satellite-based communication.





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STATE NEWS

1) Department of Tourism, Government of Goa

- Airbnb signed a Memorandum of Understanding with the Department of Tourism, Government of Goa, to jointly promote Goa as one of the most sought-after high potential tourism destinations in India and around the world.

2) All India Institute of Ayurveda

- In a bid to promote Ayurveda across continents, the All India Institute of Ayurveda has signed a memorandum of understanding with the University of Medical Sciences, Cuba, and extended the agreement with Rosenberg European Academy of Ayurveda, Germany, for five more years to take forward collaborative programmes.



3) Shri Gajendra Singh Shekhawat

- Union Jal Shakti Minister Shri Gajendra Singh Shekhawat has inaugurated the 7th India Water Impact Summit (IWIS 2022) on December 15, 2022 in the presence of Shri Bishweshwar Tudu, Minister of State for Jal Shakti.

4) Namami Gange

The United Nations has recognised the Namami Gange initiative to rejuvenate India's sacred River
 Ganga as one of the top 10 World Restoration Flagships to revive the natural world.
 The award was received by G Ashok Kumar, Director General, Namami Gange, at the 15th

Conference of the Convention on Biodiversity in Montreal, Canada.





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5) "SURYA KIRAN-XVI"

- The 16th Edition of Indo-Nepal joint training Exercise "SURYA KIRAN-XVI" between India and Nepal will be conducted at Nepal Army Battle School, Saljhandi (Nepal), from 16 – 29 December 2022. - Exercise "SURYA KIRAN" is conducted annually between India and Nepal with the aim to enhance interoperability in jungle warfare & counter terrorism operations in mountainous terrain and HADR under UN mandate.

SPORTS

1) Chahat Arora

- In Swimming, Indian swimmer Chahat Arora set a national record in the women's 100-metre breaststroke at the FINA World Swimming Championships 2022 in Melbourne, Australia.

- FINA is the International Swimming Federation.

- Chahat Arora completed the 100-metre breaststroke race in 1 minute, 13.13 seconds.



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