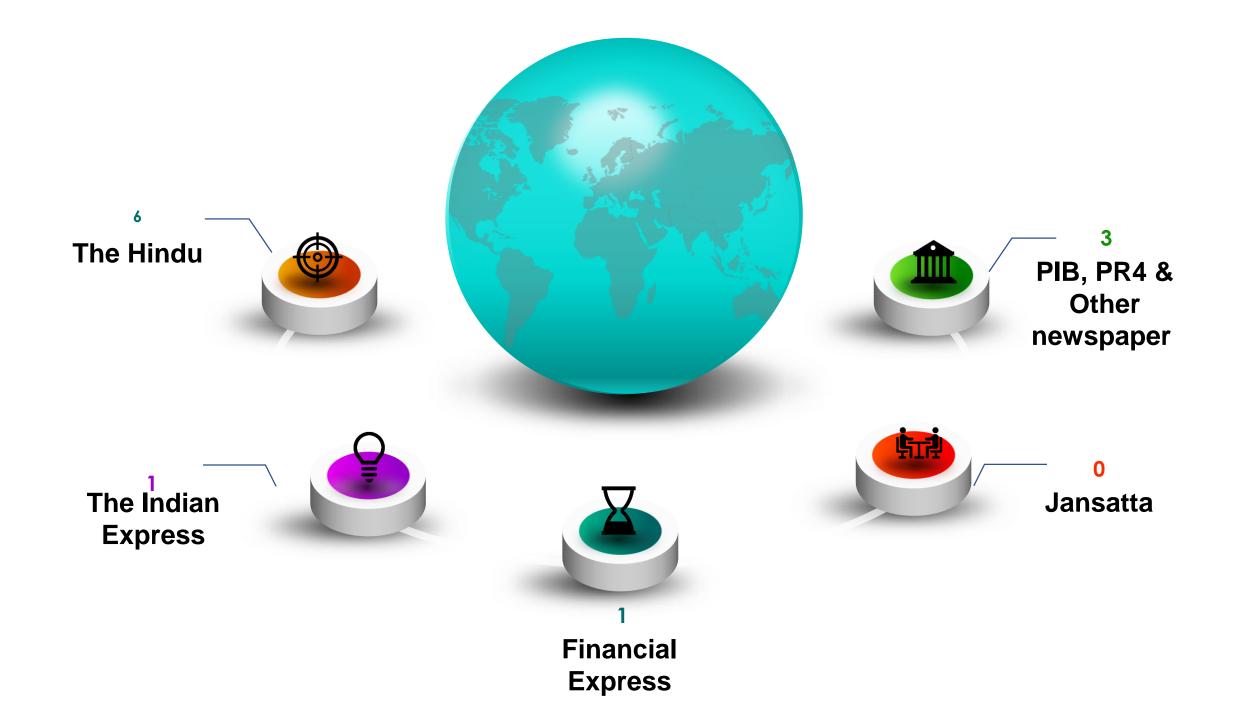
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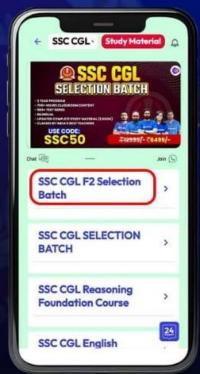


















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Anything that makes weak - physically, intellectually and spiritually, reject it as poison.

Swami Vivekananda

Regulations could hinder Al growth

India faces the challenge of balancing responsible Al development with fostering innovation







NEARBY



BJP demands CBI probe into T.N. hooch tragedy

NEW DELHI Holding the DMK government responsible for the Kallakurich houch tragedy, the BJP on Saturday demanded a CBI probe, and resignation of the Prohibition and Excise Ministe S. Muthusamy, » PAGE 2

BSF to recalibrate deployment along Pak, border

NEW DELHI likely to "recalibrate deployment" along the Pakistan border in Jamesu the wake of terror strikes in th

First arrest made in Arang 'mob lynching' case

The Raipur police on Saturday arrested Harsh Mishra who was part of the group that had allegedly assaulted and chased 3 cattle transporters from Uttar Pradesh in Arang, on the outskirts of Raipur. » PAGE 5

Israeli attacks on Gaza camps leave at least 42 dead

CAIRO
At least 42 people were killed
in Israeli attacks on districts of
Gaza City in northern Palestine
on Saturday, the director of the

Govt. removes NTA chief, announces CBI probe

Education Ministry constitutes expert panel to reform organisational structure of the agency

Former ISRO chief K. Radhakrishnan to head the panel; report to be submitted within two months

Health Ministry puts off NEET-PG examination scheduled for today as a 'precautionary measure'

that the probe into the allegations of cheating and malpractice in the NEET-UG examination will be handed over to the Central

he Union govern-ment on Saturday removed Subodh Kumar Singh from his posi-tion as Director-General of the National Testing Agen-cy (NTA), which has come under fire for an alleged paper leak and irregulari-ties in the NEET-UG exami-nation, and other examina-"strictest action" will be ta-ken against individuals and organisations found to be guilty. ation, and other examina-ons which it conducts. Meanwhile, the Health

These measures seem to be the first step in a pro-mised overhaul of the exfinistry announced the ostponement of the NEET-PG examination "as a precautionary measure", just hours before it was fue to be held on Sunday. Conceding a persistent demand by students and the Opposition, the Educa-Chaired by former ISRO ment in data security tion Ministry announced

amination system, with the Ministry constituting a se-ven-member committee of experts on Saturday to create a reform roadmap for the NTA and its pro-



protocols, and submit its the panel has been man-dated to make recommen-dations on the structure report within two months. Unlike the NEET-UG, which was conducted by the NTA, an autonomous body under the Education Ministry, the NEET-PG is conducted by the National and functioning of the NTA, reforms in the me-chanisms of the examination process, and improve-Board of Examinations, an

NEET paper leak: six held in Bihar

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the Health Ministry. In a statement issued late on Saturday night, the Health Ministry said that, given the recent allegations, it the recent allegations, it had decided to "undertake a thorough assessment of the robustness of process-

es of NEET-PG" and thus sory wait" in the Departes of NEET-PG" and thus postponed the examina-tion due to be held the next morning, promising to set fresh dates soon.

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Regretting the inconvenience caused to candidates, the Health Ministry said it took the decision in the "best interest of the students".

'Compulsory wait' An hour earlier, the Ap-pointments Committee of the Cabinet issued a notice giving additional charge of the NTA to Pradeep Singh Kharola, chairman and managing director of the India Trade Promotion Organization, until the ap-pointment of a regular in-cumbent. It added that Mr. Singh, the current DG, has RELATED REPORTS been placed on "compul-

sory wait in the Department of Personnel & Training.

The Nationalist Congress Party called the NEET-PG postponement a "failure" on the part of the

"failure" on the part of the Union government.

The Federation of Resident Doctors' Association called the postponement of the PG examination "a shame". Student leader Aishe Ghosh, former president of the Students' Union of I sawharila Nehru ion of Jawaharlal Nehru University, said, "The en-tire system of 'One Nation, One Exam' has collapsed. If Dharmendra Pradhan bility, he should resign im-mediately."

Upkeep time



New Delhi, Dhaka to hold talks on comprehensive ties

India and Bangladesh on Saturday agreed to begin a dialogue on a comprehensive economic partnership agreement (CEPA) paving the way for broader economic ties between the two neighbouring econo-

Hyderabad House, Prime Minister Narendra Prime Minister Narendra Modi said the two sides will intensify connectivity and energy collaboration, and announced that trade bet-

announced that trade bet-ween the two countries is being conducted in the In-dian currency.

"Between Akhaura and Agartala, the sixth India-Bangladesh cross-border rail link has been started. Cargo facility for India's northeastern States has Focus on connectivity
The two sides signed multiple MoUs covering martime cooperation and economy, rail connectivity,
oceanography, health and
disaster management
among others. Elaborating
on the MoU on railway connectivity that was ex-

been started through the Khulna-Mongla Port. Both units of the 1,320-MW Mai-tree Thermal Power Plant have started generating electricity. Trade in Indian rupee has started between the two countries," Mr. Mo-Bangladesh Prime Mi-

rived here on Friday on a two-day visit, the first state visit by a foreign leader since Prime Minister Narendra Modi took charge for the third term. Focus on connectivity



the Hyderabad House in New Delhi on Saturday, SUSHIL KUMAR VERMA

changed on Saturday, Foreign Secretary Vinay
the six existing cross-border railway links between
the countries, the document focuses on "transit
different parts of India
through the territory of
Bangladesh, more they
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India will open an Assis-tant High Commission in Bangladesh's Rangpur. Rangpur, which is stra-tegically located between West Bengal and Assam, is also important as it is nurtured by the waters of the Teesta, which is a matter of protracted negotiation bet-ween the countries. Mr. Modi announced

that a technical team from India will soon visit Bangladesh to discuss "conserva

INDIA MPs not to assist pro tem Speaker

who are part of a panel to assist *pro tem* Speaker Bhartruhari Mahtab in administering oath to newly elected Lok Sabha members, will not be perform-ing their duties, a senior Opposition leader said on Saturday. This could signal an escalation of tensions between the government and the INDIA bloc.

The Congress's Kodi-kunnil Suresh, Dravida Munnetra Kazhagam's T.R. Munnetra Kashagamy T.R.
Baalu, and Sudip Bandopadhyay of the Trinamool
Congress were part of the
Congress were part of the
their duties to protest
against the Centre's decision to ignore Mr. Suresh
despite his being the sebeing the sesaid. Two other senior MFs

- BIP leaders Radha Mohan Singh and Faggan
the panel to assist the prothe panel to assist the pro-Meeting after almost nine

the panel to assist the pro tem Speaker.

"By all convention and tradition, Kodikunnil Suresh should have been the pro tem Speaker," Con-gress leader Jairam Ramesh told The Hindu in an

interview.
While Mr. Mahtab has While Mr. Mahtab has been elected for seven con-secutive terms, the Con-gress MP from Kerala is an eight-term member. Ho-wever, Mr. Suresh was not a member of the Lok Sabha a member of the Lok Sabha in 1998 and 2004, and the-refore, did not have an un-interrupted tenure in the House.

'WILL COUNTER TACTICS'
"PAGE 4

No GST for hostel stay below ₹20,000, Railway services



Key decisions: Union Finance Minister Nirmala Sitharaman chairs he 53rd GST Council meeting in New Delhi on Saturday. PT

Meeting after almost nine months, the Goods and Services Tax (GST) Council on Saturday approved measures to ease com-pliance for small business-es, exempted hostel ac-commodation worth up to \$20,000 a month and Rail-way services, and resolved initiate parleys on rejigging the multiple rates levied under the seven-year-old

indirect tax. With 11 new members from States such as Bihar, Andhra Pradesh, Haryana, Rajasthan, and Odisha, the council could only take up a part of its heavy agenda of clarifications and trade facilitation measures, but did grant some relief to taxpayers, including a waiver of interest and penalties on

this will not only quicken the registration process but also curb the fraudu-

nefit students across India, especially those from rural areas, the Council also clarified the GST rates on sevwas clarified that a number of products, including milk cans, sprinklers, carton boxes, and solar cookers, will now attract 12% GST, irrespective of use, mate

some past tax demands, along with steps to reduce litigation. Meaning with steps to reduce litigation. Grant strains and strai

Govt. removes NTA chief, announces CBI probe

Education Ministry constitutes expert panel to reform organisational structure of the agency

Former ISRO chief K. Radhakrishnan to head the panel; report to be submitted within two months

Health Ministry puts off NEET-PG examination scheduled for today as a 'precautionary measure'

Ashna Butani

NEW DELHI

he Union government on Saturday removed Subodh Kumar Singh from his position as Director-General of the National Testing Agency (NTA), which has come under fire for an alleged paper leak and irregularities in the NEET-UG examination, and other examinations which it conducts.

Meanwhile, the Health Ministry announced the postponement of the NEET-PG examination "as a precautionary measure", just hours before it was due to be held on Sunday.

Conceding a persistent demand by students and the Opposition, the Education Ministry announced that the probe into the allegations of cheating and malpractice in the NEET-UG examination will be handed over to the Central Bureau of Investigation (CBI). It noted that the Centre has enacted the Public Examination (Prevention of Unfair Means) Act, 2024, and vowed that "strictest action" will be taken against individuals and organisations found to be guilty.

These measures seem to be the first step in a promised overhaul of the examination system, with the Ministry constituting a seven-member committee of experts on Saturday to create a reform roadmap for the NTA and its processes.

Chaired by former ISRO



Burning issue: Congress workers stage a protest over the alleged irregularities in NEET-UG results, in Varanasi on Saturday. PTI

chief K. Radhakrishnan, the panel has been mandated to make recommendations on the structure and functioning of the NTA, reforms in the mechanisms of the examination process, and improvement in data security protocols, and submit its report within two months.

Unlike the NEET-UG, which was conducted by the NTA, an autonomous body under the Education Ministry, the NEET-PG is conducted by the National Board of Examinations, an

NEET paper leak: six held in Bihar

PATNA

The Bihar Police on Friday arrested six people from near the All India Institute of Medical Sciences in Deoghar, Jharkhand in connection with the NEET question paper leak case. A team led by officials of the Economic Offences Unit brought them to Patna for questioning. » PAGE 4

autonomous body under the Health Ministry. In a statement issued late on Saturday night, the Health Ministry said that, given the recent allegations, it had decided to "undertake a thorough assessment of the robustness of processes of NEET-PG" and thus postponed the examination due to be held the next morning, promising to set fresh dates soon.

Regretting the inconvenience caused to candidates, the Health Ministry said it took the decision in the "best interest of the students".

'Compulsory wait'

An hour earlier, the Appointments Committee of the Cabinet issued a notice giving additional charge of the NTA to Pradeep Singh Kharola, chairman and managing director of the India Trade Promotion Organization, until the appointment of a regular incumbent. It added that Mr. Singh, the current DG, has been placed on "compul-

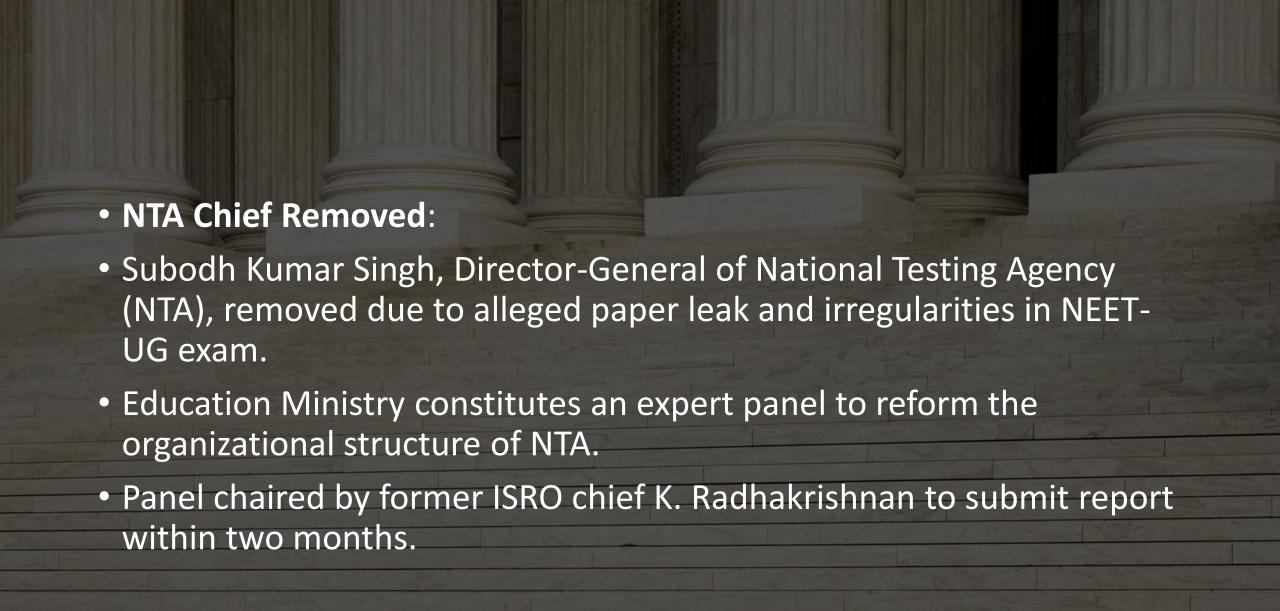
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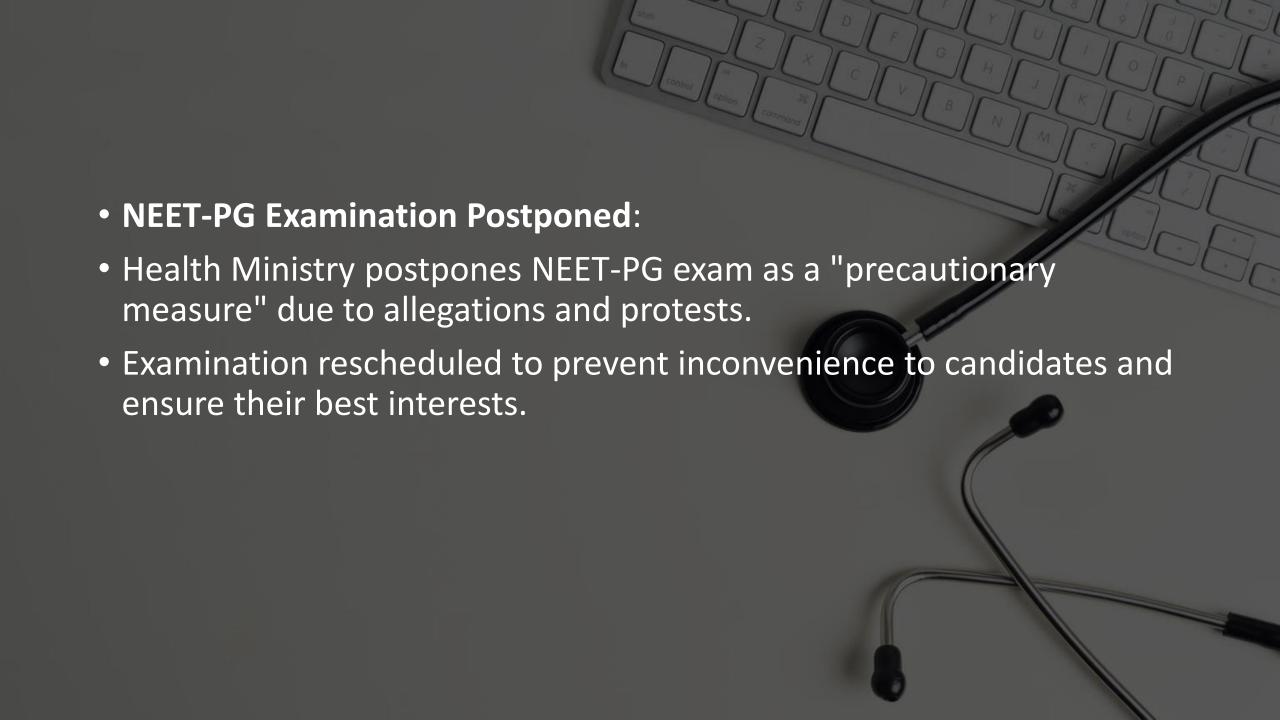
» PAGE 4



CBI Probe Announced:

Investigation into cheating and malpractice in NEET-UG to be handled by Central Bureau of Investigation (CBI).

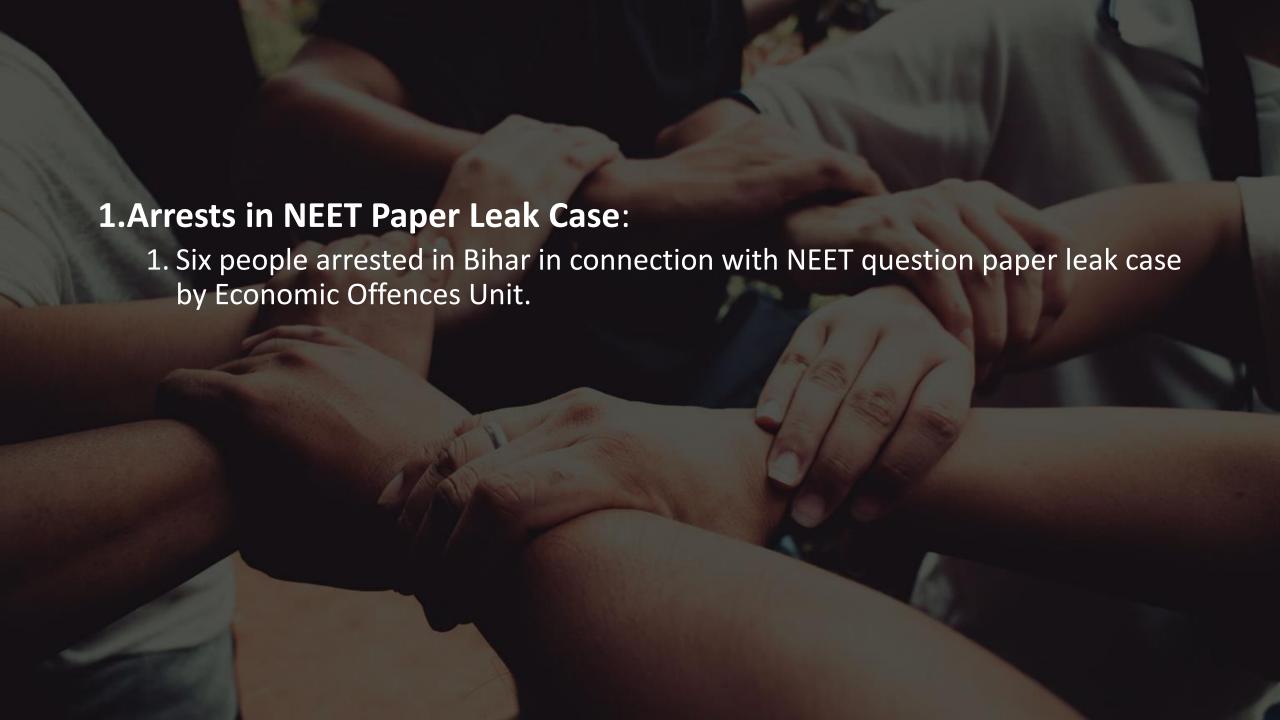
Public Examination (Prevention of Unfair Means) Act, 2024, enacted to ensure strict actions against guilty individuals and organizations.



Protests and Reactions:

Congress workers protest against irregularities in NEET-UG results.

Various political and student bodies criticize the postponement of NEET-PG, calling it a failure and shame.



- Consider the following statements regarding the recent changes and actions taken by the Indian government related to the National Testing Agency (NTA) and the NEET examinations:
- 1. The Director-General of the National Testing Agency (NTA) was removed due to alleged paper leak and irregularities in the NEET-UG examination.
- 2. An expert panel chaired by a former ISRO chief has been constituted to recommend reforms in the NTA's structure and functioning.
- 3. The Central Bureau of Investigation (CBI) will investigate the NEET-UG exam malpractice, and the Health Ministry has postponed the NEET-PG exam as a precautionary measure.
- Which of the statements given above are correct?
- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1 and 3 only
 - d) 1, 2, and 3

No GST for hostel stay below ₹20,000, Railway services



Key decisions: Union Finance Minister Nirmala Sitharaman chairs the 53rd GST Council meeting in New Delhi on Saturday. PTI

Vikas Dhoot NEW DELHI

Meeting after almost nine months, the Goods and Services Tax (GST) Council on Saturday approved measures to ease compliance for small businesses, exempted hostel accommodation worth up to ₹20,000 a month and Railway services, and resolved to reconvene in August to initiate parleys on rejigging the multiple rates levied under the seven-year-old indirect tax.

With 11 new members from States such as Bihar, Andhra Pradesh, Haryana, Rajasthan, and Odisha, the council could only take up a part of its heavy agenda of clarifications and trade facilitation measures, but did grant some relief to taxpayers, including a waiver of interest and penalties on some past tax demands, along with steps to reduce litigation.

Finance Minister Nirmala Sitharaman, the Council's chairperson, said that members had agreed to roll out biometric-based Aadhaar authentication for all GST registrations across the country in a phased manner. She stressed that this will not only quicken the registration process but also curb the fraudulent use of input tax credits through fake invoices.

Future agenda

Apart from the GST exemption for hostel accommodation outside the campuses of educational institutions, which Ms. Sitharaman said would benefit students across India, especially those from rural areas, the Council also clarified the GST rates on several items. For instance, it was clarified that a number of products, including milk cans, sprinklers, carton boxes, and solar cookers, will now attract 12% GST, irrespective of use, material, or energy source.

At its next meeting, which Ms. Sitharaman said is likely after the Budget Session of Parliament, the Council will take up pending procedural issues on its agenda as well as broader challenges. These include the rationalisation of GST rates, which a ministerial group is tasked with, and the future of the GST Compensation Cess after its expiry in March 2026.

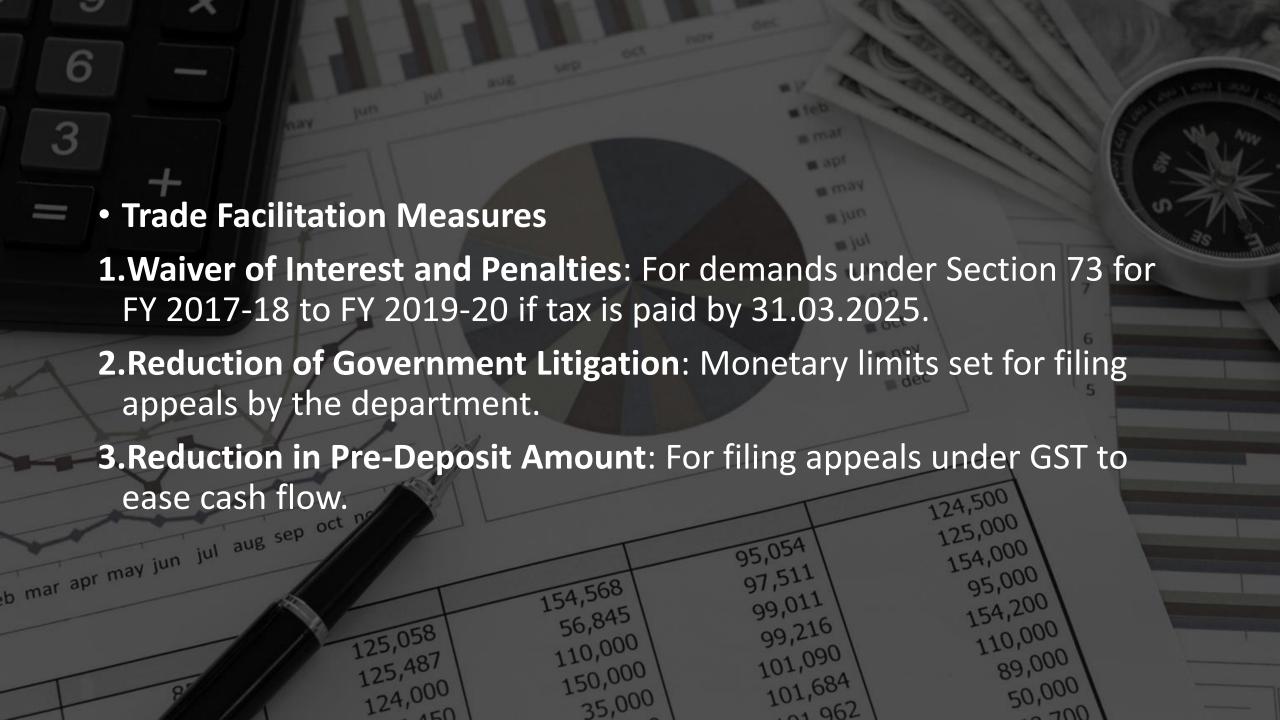
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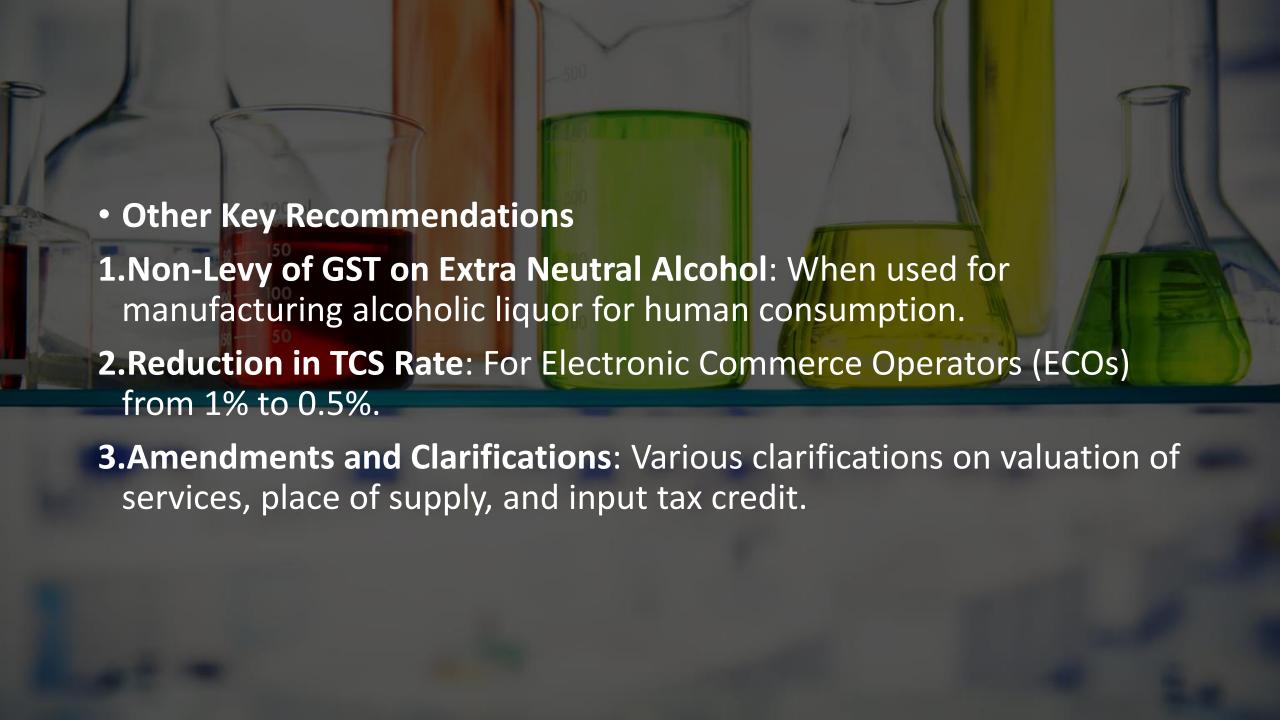
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- Recommendations Relating to GST Rates on Goods
- **1.Uniform 5% IGST**: Applied to imports of aircraft parts, components, and tools.
- 2.12% GST: Applied to all milk cans and solar cookers.
- **3.Reduction from 18% to 12%**: For cartons, boxes, and cases of corrugated and non-corrugated paper.
- **4.Clarification and Regularization**: Poultry keeping machinery parts, all types of sprinklers at 12% GST.
- **5.Extensions and Exemptions**: IGST exemption for defense imports extended; IGST exemption for RAMA research equipment.

- Recommendations Relating to GST Rates on Services
- **1.Exemptions**: Services by Indian Railways to the general public, services by SPVs to Indian Railways.
- **2.Accommodation Services**: Exemption for accommodation up to Rs. 20,000 per month per person for a minimum continuous period of 90 days.
- **3.Insurance Services**: Clarifications on co-insurance premium, reinsurance commission, and retrocession.





INBRIBE



Another bridge collapses in Bihar; no casualties reported

Within a week, another bridge has collapsed in the Daraunda area of Siwan district in Bihar on Saturday. According to the local people, the bridge was 40 years old and collapsed due to soil erosion. As in the previous time, video of the bridge collapsing has been captured by villagers The bridge had been connecting Patedhi Bazaar in Siwan and the Ramgarh panchayat in Darbhanga district. On Tuesday, a portion of an under-construction bridge that cost ₹12 crore had collapsed in Araria. The 100-metre bridge over the Gandak canal in the Maharajganj sub-division of Ramgarh nanchavat collapsed early in the

Salman firing case: police trace new links to Bishnoi

In a major development in the case of gunfire in in a major development in the case or guinnie in front of actor Salman Khan's residence on April 14, the Mumbal Police on Saturday as the an audio recording had been retrieved from she phones of one of the arrested suspects. The forensic investigation of the audio revealed that it matched the voice of Anmol Bishnoi, the Canada-based brother of gangster Lawrence Bishnoi. The audio file revealed that Anmol had been in constant touch with the shooter, a police official said. The police believe that the shooting was planned and executed by the Lawrence Bishnoi gang which has made several attemp on the life of the actor in the past.

Taking U.P. lightly cost us badly: Axis My India chief

Blaming an error of judgment for his exit polls pointing an error of judgment for its east points going off the mark, Axis My India chief Pradeep Gupta has said taking Uttar Pradesh lightly in the last three phases of the elections cost it dear. Axis My India's exit poll predicted 361-400 seats for the BIP-led alliance in the Lok Sabha election including 67 seats in Uttar Pradesh that sends 80 members to the Lower House of Parliament. But the actual results showed the BJP getting 240 seats, missing the majority mark, and the party winning just 33 seats in U.P. "This is a lesson to never ignore any State when it comes to exit polls," Mr. Gupta said in an interaction in New Delhi. Ph

Police arrest two for burglary at actor Anupam Kher's office

The Oshiwara police in Mumbai have arrested two men for burgling actor Anupam Kher's office on Veera Desai Road in Andheri West on the night of June 19, Deputy Commissioner of Police Raj Tilak Roushan said on Saturday. The burglars broke into Anupam Kher's office premises during the night, making away with cash and valuables amounting to approximately ₹4.15 lakh, officials said. Earlier this week, Mr. Kher took to his Instagram handle and provided details of the burglary. In the video that he uploaded, the actor said that money and some film negatives had been stolen from the property. The police have registered a case against the accused.

SUDOKU



5 4 9 2 6 3 8 7 1

First arrest made in 'lynching' of 3 cattle transporters in Arang

Harsh Mishra sent to judicial custody; police say he did not have links to

he Raipur police on Saturday made the first arrest in conection with the 'lynching of three cattle transporters from Uttar Pradesh in Arang, on the outskirts of Raipur, Harsh Mishra, 23. was part of the group that had allegedly assaulted the men and chased them, af-ter which the three were found lying below the Ma-hanadi bridge in the early hours of June 7. Additional Superinten-

dent (Raipur Rural) Kirtan Rathore confirmed the ar est, and said that Mr. Mis hra, a resident of Raipur worked in a cement facto ry. A police statement adry. A police statement ad-ded that fearing his arrest, Mr. Mishra had been hid-ing in a house belonging to a friend in Brosi, Durg district, and had locked the room from outside to mis lead investigators.

Asked how Mr. Mishra was identified, Mr. Rathore said that he was among those who chased the truck in which the trio was travelling and local inqui-



Night of attack: The truck used to transport cattle when the ing occurred at Arang in Chhattisgarh. SPECIALA

established how many pe-ople had been involved in the attack. Mr. Rathore rethe attack, Mr. Rathore re-plied in the negative and said they were verifying the different names that had cropped up during the

investigation. He also said that Mr. Mishra had no previous involvement in any such crime nor was he linked to any right-wing organisation, an allegation Quresh-i's family had levelled

while family members of the three deceased men - Saddam Oureshi and his cousin Chand Miva Khan both from Uttar Pradesh's

Shamli district - said that they had been chased down and assaulted by a mob, the police continued to remain tight-lipped about the exact sequence of events of the night. With Qureshi succumbing to his injuries on June 18, the investigations had hit a fresh roadblock, even as the pol-ice had maintained all along that they were check-

ing video footage. Meanwhile, with police officials saying Mr. Mishra's custody was not required yet, he was remanded to judicial custody after being produced before a Magis

Erred in not crediting ICMR as co-inventor of Covaxin. admits Bharat Biotech

Bharat Biotech Interna binarat Biotech Interna-tional Limited (BBIL), the manufacturer of India's first indigenous Covid-19 vaccine Covaxin, said it had made an "inadvertent mistake" in not including scientists from the Indian Council of Medical Re-search (ICMR) as 'co-inven-tors' in patent applications filed in India and abroad to protect the intellectual property rights around the

ccine.
It would include their names in fresh filings for

patent purposes, the Hyde-rabad-based firm said in a statement late on Saturday. "BBIL has great respect for ICMR and is thankful to ICMR for their continuou support on various pro-jects. Therefore, as soon as this inadvertent mistake was noticed. BBIL has already started the process to rectify it by including ICMR as co-owner of the patent applications for Covid-19 vaccine. Necessary legal documents are being prepared for it and BBIL will file those documents in the Patent office as soon as those are ready and signed," the company said.

Response after report day The Hindu reported,



ICMR's role in the development

citing patent-linked docu ments, of the ICMR being

uncredited as inventors.

This was despite a statement by the Health Ministry in Parliament that the intellectual property rights of Covaxin were "jointly owned" by ICMR and BBIL. Other than that, ICMR's role in the development of vaccine was widely publi cised by the government as well as ICMR's own leader ship through multiple during

'In a rush' By way of explanation, the company, in its press state-ment, said like other pharmaceutical companies working on Covid vac-cines, it was faced with multiple challenges and all organisations were in a rush" to develop vaccines and file the appropriate pa-tents, prior to competitors

or data being published is

journals. Bharat Biotech said i did not have "access" to it own agreement with ICMI that governed the terms o engagement between bot entities regarding Covaxi

ocument".

The Hindu reached ou to BBIL to clarify this poir but did not get a respons

press. "Bharat Biotech's Covic filed in above circumstances and since BBIL-ICM agreement copy, being a confidential document was not accessible. Henc ICMR was not included in the original application Though this was purely un intentional, such mistak tent Law provides provi sions to rectify such mitakes," the statement said. A day earlier, BBIL gav

a different explanation t The Hindu on omittin ICMR's name. BBIL ha filed a patent for the "pro cess" governing the manu facture of Covaxin. More over, the development o Covaxin was "fully fund ed" by Bharat Biotech and the ICMR had provided th strain and conducted clini cal trials, a spokesperso

New criminal law Bill has no Section on rape of men, transgender people

Alisha Dutta NEW DELHI



The suicide of a 23-year-old man, hours after he was gang-raped by four men in Uttar Pradesh, has shed light on the soon-to-be implemented Bharativa Nyay Sanhita (BNS) that does no have any Section that deals with rape of men and

ansgender persons. On June 14, the U.P. Polon June 14, the C.P. Pol-ice filed a first information report (FIR) against four persons for allegedly rap-ing the man at a hotel in the Chiluatal area of Go-rakhpur district. While the police booked the four accused under Section 377 of the Indian Penal Code (IPC) that deals with rape of a man, transgender person or an animal, along-side Sections dealing with extortion, theft, criminal intimidation, causing grievous hurt and criminal conspiracy, the case opened a debate on the fu-ture of such cases in the absence of Section 377 or

its equivalent in the new Speaking to The Hindu, advocate Karuna Nundy said that in the landmark

The Hindu Bureau

Union Home Minister Amit Shah inaugurated the Fast

Track Immigration Trusted

With the non-inclusion

equivalent in BNS, rape of men and transgender persons will become a non-offence post July 1 ANAND GROVER

of Navtej Johar vs the Union of India, the Supreme Court had "read down" Section 377, and not "struck down", implying that consensual sex bet-ween people of the same reader not transported. gender and transgender was retained since it was was retained since it was the only provision that co-vered the rape of men, transpersons and animals. "With the striking down of Section 377 from the

BNS, and with no alternative law in place, men or transgender persons who rape other men, transgender persons or animals will not be penalised for rape," Ms. Nundy said.

Expressing concern over the future of justice in such cases, senior lawyer

Delhi, the initiative was

Chennai, Kolkata, Bengalu

Ahmedabad airports in the

in Mumbai.

launched

Programme to fast-track traveller

immigration launched at IGI airport

Anand Grover said that in the garb of "decolonising criminal laws", the govern-ment removed Section 377 from the BNS Bill, which reduce severity of the ence once the crime is "In India, rape laws are

not gender-neutral. Sec-tion 376 of the IPC only deals with rape against wo-men and with the non-inclusion of a Section 377 equivalent in the BNS, rape of men and transgender persons will become a non-offence post July 1," said senior lawyer Anand Grover. In such cases, only Sections related to grievous assault can be in-voked, which have far less legal consequences than Sections related to rape, he added.

Cases registered before July 1, under Section 377. will continue to be go-verned by the IPC while those filed after that will not. "Two legal systems will run parallel and cases of the same nature will have different punitive consequences," he

Further, Supreme Court advocate Yashaswi S.K. Chocksey said, "When Sec-

OCI cardholders will be co-

vered, and foreign travell-ers will be included in the

tion 377 is invoked, the intensity with which the case is treated is much higher when compared with a case where Sections relat-ed to grievous hurt are in-voked. It's reflected in the urgency of arrests or the ease of getting bail. In the latter case, if the accu not arrested, he can tam per with evidence and im pact the course of investigation."

A senior official of the Delhi Police, who attended training sessions for the BNS, told *The Hindu* that in none of the training ses-sions were they instructed on how to deal with cases of rape of men and trans gender persons. Ms. Nundy also said that

the non-inclusion of Section 377 would also imply that men who have con mitted anal rapes of their wives would also not face criminal consequences if the new code is not amended.

Mr. Grover said the non-inclusion would make animals especially vulnerable since those who rape them

out to the 24x7 helpline: KI-RAN 1800-599-0019

he/she will scan his/her

boarding pass issued by the airlines at the e-gates to

get the details of his/her flight. The passport will be

Stringent regulations could hinder growth of AI in India: experts

As India grapples with the regulatory landscape for artificial intelligence (AI), a sector which has seen rapid development in recent years, experts opine that strict regulations could stifle the country's burgeon ing Al-driven econom

Currently, India does not have specific laws di-rectly addressing genera-tive AI, such as deepfakes. It has instead introduced a series of advisories and guidelines to encourage the responsible development and implementation of AI technologies. After a "deepfake" video

clip of actor Rashmika Mandanna went viral on social media platforms last year, the Ministry of Elec-tronics and Information Technology (MeitY) asked social media intermediardown within 36 hours, a requirement outlined in the IT Rules, 2021.

Plea in court In December last year, the Delhi High Court asked the Centre to respond to a pu-blic interest litigation (PIL) plea against the unregulated use of AI and deepfakes

Deepfake videos utilise Al to swap the likeness of a person in an existing video with someone else's. Re-cently, concerns have grown around deenfake technology, as it can pro-duce highly realistic fake videos that may be misused for spreading misin formation, creating fake news, or generating false

The petition said while



At present, India does not his specific laws addressing

products, such as large lan guage models on the line of ChatGPT and Google Gemini, would have to b made available "with [the explicit permission of the Government of India" i they are "under-testing unreliable".

However, after the advi sory came under criticisn from experts for being am biguous, on March 15 2024, MeitY issued a fresh advisory, dropping the re quirement of obtaining explicit permission" from

the government. The latest advisory said under-tested or unreliable Al products should be la belled with a disclaimer in dicating that outputs gen erated by such product

may be unreliable. Jaijit Bhattacharva, pre sident, Centre for Digita Economy Policy Research (C-DEP), said the advisory is, largely, about followin the extant regulations with an additional qualifie that all AI-generated co tent that can potentially cause disinformation should be clearly labelled sory does not really hinde

New criminal law Bill has no Section on rape of men, transgender people

Alisha Dutta NEW DELHI

The suicide of a 23-year-old man, hours after he was gang-raped by four men in Uttar Pradesh, has shed light on the soon-to-be implemented Bharatiya Nyay Sanhita (BNS) that does not have any Section that deals with rape of men and transgender persons.

On June 14, the U.P. Police filed a first information report (FIR) against four persons for allegedly raping the man at a hotel in the Chiluatal area of Gorakhpur district. While the police booked the four accused under Section 377 of the Indian Penal Code (IPC) that deals with rape of a man, transgender person or an animal, alongside Sections dealing with extortion, theft, criminal intimidation, causing grievous hurt and criminal conspiracy, the case opened a debate on the future of such cases in the absence of Section 377 or its equivalent in the new code.

Speaking to *The Hindu*, advocate Karuna Nundy said that in the landmark Supreme Court judgment



With the non-inclusion of a Section 377 equivalent in BNS, rape of men and transgender persons will become a non-offence post July 1

ANAND GROVER senior lawyer

of *Navtej Johar vs the Union of India*, the Supreme Court had "read down" Section 377, and not "struck down", implying that consensual sex between people of the same gender and transgender persons was no longer punitive, but the Section was retained since it was the only provision that covered the rape of men, transpersons and animals.

"With the striking down of Section 377 from the BNS, and with no alternative law in place, men or transgender persons who rape other men, transgender persons or animals will not be penalised for rape," Ms. Nundy said.

Expressing concern over the future of justice in such cases, senior lawyer Anand Grover said that in the garb of "decolonising criminal laws", the government removed Section 377 from the BNS Bill, which will reduce severity of the sentence once the crime is proven.

"In India, rape laws are not gender-neutral. Section 376 of the IPC only deals with rape against women and with the non-inclusion of a Section 377 equivalent in the BNS, rape of men and transgender persons will become a non-offence post July 1," said senior lawyer Anand Grover. In such cases, only Sections related to grievous assault can be invoked, which have far less legal consequences than Sections related to rape, he added.

Cases registered before July 1, under Section 377, will continue to be governed by the IPC while those filed after that will not. "Two legal systems will run parallel and cases of the same nature will have different punitive consequences," he warned.

Further, Supreme Court advocate Yashaswi S.K. Chocksey said, "When Section 377 is invoked, the intensity with which the case is treated is much higher when compared with a case where Sections related to grievous hurt are invoked. It's reflected in the urgency of arrests or the ease of getting bail. In the latter case, if the accused is not arrested, he can tamper with evidence and impact the course of investigation."

A senior official of the Delhi Police, who attended training sessions for the BNS, told *The Hindu* that in none of the training sessions were they instructed on how to deal with cases of rape of men and transgender persons.

Ms. Nundy also said that the non-inclusion of Section 377 would also imply that men who have committed anal rapes of their wives would also not face criminal consequences if the new code is not amended.

Mr. Grover said the noninclusion would make animals especially vulnerable since those who rape them will go scot-free.

Those in distress can reach out to the 24x7 helpline: KI-RAN 1800-599-0019

Case Highlight:

- A 23-year-old man's suicide after being gang-raped by four men in Uttar Pradesh brings attention to the lack of a specific section addressing the rape of men and transgender persons in the Bharatiya Nyay Sanhita (BNS).
- An FIR was filed on June 14 by U.P. Police against four persons under Section 377 of the Indian Penal Code (IPC), which deals with unnatural offenses.

Section 377 and BNS:

- The non-inclusion of Section 377 equivalent in BNS will make rape of men and transgender persons a non-offense post July 1.
- The Supreme Court's ruling in Navtej Johar vs. the Union of India read down Section 377, decriminalizing consensual sex between adults of the same gender while retaining provisions for non-consensual acts.

Impact of Non-Inclusion:

Advocates express concern that removing Section 377 from BNS without an alternative law will leave men and transgender persons vulnerable to sexual assault without legal recourse.

The lack of gender-neutral rape laws in India means Section 376 of the IPC only covers rape against women.

Legal and Social Implications:

Anand Grover warns that non-inclusion of Section 377 equivalent in BNS will reduce the severity of sentences for proven rape cases involving men and transgender persons.

Cases of rape under Section 377 will continue to be governed by IPC for those filed before July 1.

Critics argue that this legislative gap could lead to mass exploitation of men and transgender individuals

1.Concerns from Legal Experts:

- 1. Ms. Nundy and other advocates stress that failing to address the rape of men and transgender persons in new laws will have dire consequences.
- 2. Senior officials suggest that non-inclusion in BNS could lead to lenient treatment of such cases compared to other grievous hurt sections.

- Consider the following statements regarding the new criminal law Bill and its implications:
- 1. The Bharatiya Nyay Sanhita (BNS) does not include a section equivalent to Section 370 of the Indian Penal Code, which addresses the rape of men and transgender persons.
- 2. The removal of Section 377 from BNS without an alternative provision will make the rape of men and transgender persons a non-offense post July 1.
- 3. The Supreme Court's ruling in Navtej Johar vs. the Union of India retained Section 377 to cover the rape of men, transgender persons, and animals.
- Which of the statements given above are correct?
- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1 and 3 only
 - d) 1, 2, and 3



LS Session begins today; Cong. calls meet of MPs





haven't held exercise

Indian Railways and safety challenges What needs to be done to attain zero-fatality goal



Afghanistan humbles Australia, stays alive

INSIDE



ID(S) MLC Surai Revanna held in sexual abuse case

Janata Dal(S) MLC Suraj Revanna was arrested o Sunday for allegedly sexually abusing a male party worker a few days ago. » PAGE 3

Industry seeks rethink on high import tariffs

NEW DELHI Indian industry has urged the government to slash high import duties on electronics components as they have made Indian electronic goods globally uncompetitive visă-vir rivals such as Vietnam and China. 39 PAGE 4 NEW DELEG

India might be returning Israel a favour: ex-envov

NEW DELHI Former Israeli Ambassador to India Daniel Carmon, speaking with Israeli publication metnews, has said that India srael as a sign of gratitude for sraeli assistance during the Karril war of 1999 w page a

Israeli soldiers tie wounded man to front of jeep

sraeli troops tied a wounded Palestinian to a military vehic during a raid in the occupied West Bank city of Jenin, the Army said. Footage of the incident shows a man strapped horizontally to the bonnet of a

CBI team in Patna, Godhra for NEET probe The first information report filed by the agency says there were 'certain isolated incidents' in a few States during the May 5 test: Education Ministry asks it to investigate the role of public servants, if any connected to the conduct of the examination and also conduct a comprehensive probe into the entire gamut of alleged irregularities of Investigation on Sunday registered a case of alleged irregulari-

nnection with the NEET case, in Patna on Sunday, PT

of Education has request-ed the CBI to conduct a comprehensive investiga-tion into the entire gamut of alleged irregularities, in-cluding conspiracy, cheat-ing, impersonation, breach of trust, and des-truction of evidence by candidates, institutes, and middlemen, including at-The CBI's first informa-tion report says that there were "certain isolated inci-dents" in a few States dur-ing NEET conducted by the National Testing Agency in 4,750 centres for over 23 lakh candidates. "Therefore, the Ministry

Special teams sent The Ministry has request-ed it to investigate the role of public servants, if any, connected to the conduct of the examination or the larger conspiracy. "Special teams are being sent to Pat-

Maharashtra ATS detains two teachers from Latur

paper leak case

Sources said Saniay

released after several hours of questioning, but they could be called for

further questioning later as further investigation is

Tukaram Jadhav and Jaleel Umrakhan Pathan were

The Nanded branch of the Maharashtra Anti-Terrorism Squad on Saturday night detained two teachers from Latur district in connection with

na and Godhra where local police cases have been re-gistered," it said.

On Friday night, the Economic Offences Unit of

of the accused, including four examinees. They sus-pect that Sanjeev Mukhya, the sanjeev Mukhya, har, is the kingpin. He had earlier been arrested on the charge of leaking the paper for a constable re-cruitment exam conduct-ed by the Bihar Public Ser-ed by the Bihar Public Ser-Economic Offences Unit of the Bihar Police picked up six more people from De-oghar in Jharkhand for their involvement in the alleged paper leak. The pol-ice had earlier arrested 13

cheating at a Godhra test centre, in which six people have been arrested, is currently being investigated by the Gujarat Police, but is likely to be taken over by the CBL

This year's NEET has been embroiled in several controversies. After students alleged irregularities in the rankings, the matter in the rankings, the matter went to the Supreme Court which approved a re-test for over 1,500 students who had preciously been given "grace marks" to compensate for the time they lost while taking the test.

Citing concerns about the integrity of competitive examinations, the Union government took a last-mi-mute decision to postpone the NEET-PG examination

sons following an Educa-tion Ministry complaint al-leging that the integrity of the University Grants Com-mission-National Eligibility Test, also conducted by the NTA, may have also been inputs from the Home Mi-nistry. The UGC-NET, meant for Ph.D. admis sions and determining elig-ibility for recruitment as

On Wednesday Educa-

Hungry herd

ties in the conduct of the National Eligibility-cum-Entrance Test for admis-

medical programmes held

for a comprehensive inves-tigation," an agency official

The CRPs first informa-

"The process to take over the other cases related to the examination has also seen initiated by the CBI



Oram promises to look into Great Nicobar clearances

Abhinay Lakshman

The Union Tribal Affairs Ministry will be looking in-to the forest clearance panerwork of the \$72,000 crore infrastructure pro-ject on Great Nicobar Island that the NDA go-vernment has been push-ing for, and accordingly de-termine next steps, Tribal Affairs Minister Jual Oram has said. in an exclusive in-teraction with The Hindu, he outlined his intent to forest and land rights of tri-bal communities, during

The Opposition Con-gress has been demanding the withdrawal of clearanc-es granted for the Great Niground-up review of it over the environmental concerns flagged by experts and constitutional bodies

CM CM

the tribal people residing

Asked about the con-cerns raised by the Nation-al Green Tribunal (NGT) and the NCST over the er

documents."

The Great Nicobar Project involves developing a trans-shipment port, an international airport, town ship development, and a 450-MVA gas and solar-based power plant on the island. The project area is expected to cover over 130 sq. km. of pristine forest, and has been accorded environmental clearance -one of the mandatory pre-

requisites – by an expert committee.

The government told Parliament in August 2023 that 9,6 lakh trees would likely be cut for it and 'compensatory afforesta-tion' for the loss of this un-ioue rainforest ecosystem

ique rainforest ecosystem had been planned, but in Haryana, thousands of kilometres away and in a vastly different ecological

zone.

A total of 7.114 sq. km of tribal reserve forest land, where the Shompen, a Par-ticularly Vulnerable Tribal

This is a specific time to go through the files But we will be On the large number of that have been raised by calling for relevant files

Group resides, is also ex-pected to be used for this project with the govern-ment insisting that they will not be relocated be-cause of this work.

FRA violations Meanwhile, the NCST is in Meanwhile, the NCST is in the middle of investigating a complaint from retired bureaucrat E.A.S. Sarma, a former Teibal A ffoire Sorte tary to the Andhra Pradesh government, who alleged violations of the Forest the project, for which the government had also not consulted the NCST as mandated by the Constitu-

rejections of FRA claims by tribal communities and individuals across the coundividuals across the coun-try, for which the Supreme Court has already pulled up the Union government to the country of the country tained that these rejections were a "case-to-case is-sue", depending on the seen as such However, he added, "We will ensure that we work for whoseve-er forest land."

Latest available govern-ment data from FRA imple-bruary 2024, showed that a

bruary 2024, showed that a total of 50,26,801 FRA claims had been received, Rights Act (FRA) in the for-est clearance process for rejected and 15.5% remain

pending for disposal. These FRA reports also showed that the Andaman and Nicobar administra-

and Nicobar administra-tion has neither recognised nor granted ownership of U.T. to local tribespeople under FRA - a requisite servation Rules, 2017 - be-fore Stage-I dearance, which was granted in Oc-tobar of the Company of the The U.T. administration has argued that the exist-lation of the Company riginal Tribes) Act of 1956, (9XTSG), adequately pro-people in the area, PATSG

people in the area. PATS6 gives the administrator of the islands sole power over notification and de-notification of land as a Tribal Reserve - determining which areas forest dwellers and tribespeople can use for their daily sustenance. erg," an Assam Police offic-er of the Inspector-General

Police fear Manipur militants are trying to acquire drones



In the wake of the recent seizures of intelligent flight batteries and drone parts in Assam, armed forces of ficials posted in the conflict zones in Manipur believe unmanned aerial vehicles could be used by the war-ring groups in the State for attacks.

On June 14, 10 intelligent flight batteries were seized from a Manipur-based man about 30 km east of Guwa-hati. A day later, another person was caught from person was caught from the Rupnagar area in the Assam capital carrying drone parts on a two-wheeler.

two-wheeler.
While Khaigoulen Kipgen, 27, of Gamngai village
Ananipur, apprehended at
the toll gate, was found to
have links with Kid-2o exsaid the parts selzed from
sanjib Kumar Mishra in GuSanjib Kumar Mishra in GuMeitei outfits involved in
he conflict.
"These seizures follow"These seizures followunauthorised transportaunauthorised transporta-

unauthorised transporta-tion of drones and related equipment for armed groups on either side of the ethnic divide in Manipur could be the tip of the iceb-

parts slipping through checkpoints on the arterial National Highway 27 leading to Manipur, via Nagaland, and an alternative route from Silchar in the Barak Valley of southern

nant-General Pradees Chandran Nair, Director General of Assam Rifles, said that some 5,400 refugees from Myanmar in Kamjong district of Mani-pur feared aerial attacks.

"We have no reports of drones having been used in the ethnic battle bet-ween the kulét-Zo and Mei-tel people in Manipur, but Manipur oflate. How many are in operation and for what purpose is amybody's guess, though these could be used for surveillance for other pelow the rank of Brigadier such the rank of Brigadier such the rank of Brigadier such persons the such of

Brigadier said. The foothills on the pe riphery of the Imphal Val-ley, almost at the centre of Manipur's map, are consi-dered most vulnerable to drone attacks because the corrugated territory allows the flying gadgets to "peep and fire" from the top of

INBRIEF



Cloudburst in Itanagar causes landslips, flood-like situation

A cloudburst on Sunday morning triggered landslips and a flood-like situation in Itanagar. landslips and a flood-like situation in Brangar.

Though Arunachal Pradesh has been witnessing

Though Arunachal Pradesh has been witnessing

had improved in the past two days. Following the

cloudburst around 10.30 a.m., landslips were
reported from various parts of Itanagar and its

occurred in several stretches of National Highway

415. Meanwhile, Union Home Minister Amit Shah

chaired a meeting in New Delhi for flood. preparedness ahead of monsoon. He instructed departments concerned to study the recent floods in Sikkim and Manipur and file a report.

Two CoBRA personnel killed in bomb blast in Chhattisgarh

Two personnel of the Central Reserve Police Two personnel of the Central Reserve Police Force's jungle warfare unit (CoBRA) were killed Force's jungle warfare unit (CoBRA) were killed improvised explosive device (IED) in Sukma district of Chattsigarh on Sunday, the police asid. Constable Shallendra, 29, and vehicle driver place around 3 p.m. near Timmapuram village between Sliger and Tekalgudem camps of the security forces. **n*

Pushpak, ISRO's reusable launch vehicle, clears test

This was the third and final test of a series; the mission demonstrated the autonomous landing capability of the vehicle under more challenging release conditions, says the space agency

The Hindu Bureau

he Indian Space Re-search Organisa-tion successfully completed the third reusacompleted the third reusa-ble launch vehicle landing experiment (RLV LEX) at the Aeronautical Test Range in Chitradurga, Kar-nataka on Sunday. The third and final test in a series was conducted

in a series was conducted at 7.10 a.m.
"Following the success of RLV LEX-01 and LEX-02 missions, RLV LEX-03 re-demonstrated the autono-mous landing capability of the RLV under more chal lenging release conditions and more severe wind con-ditions," the ISRO said.

onnons, the Isko said.
On Sunday morning,
Pushpak, the space agency's winged vehicle, was
released from an Indian
Air Force Chinook helicopter at an altitude of 4.5 km. ter at an altitude of 4.5 km.
The ISRO said that from
the release point 4.5 km
away, Pushpak autonomously executed crossrange correction manoeuvres, approached the



Textbook touchdown: Pushpak performed a 'precise horizontal

runway, and performed a precise horizontal landing at the runway centre line.

"Due to this vehicle's low lift-to-drag ratio aerodynamic configuration, the landing velocity exceeded lainding velocity exceeded 320 kmph, compared with 260 kmph for a commer-cial aircraft and 280 kmph craft. After touchdown, the vehicle velocity was re-duced to nearly 100 kmph using its brake parachute, after which the landing gear brakes were em-

ployed for deceleration. During this ground roll phase, Pushpak utilises its rudder and nose-wheel steering system to autonomously maintain a stable

mously maintain a stable and precise ground roll along the runway," it said. The space agency said this mission simulated the approach and landing in-terface and high-speed landing conditions for a vehicle returning from space, reafirming its ex-pertise in acquiring the most critical technologies

ment of an RLV.

"Through this mission, the advanced guidance algorithm catering to longi-tudinal and lateral plane error corrections, which is

error corrections, which is essential for the future Or-bital Re-entry Mission has been validated," it suid. he LEX used sensors such as an inertial sensor, radar al-timeter, flush air data sys-tem and NaviC. Notably, the LEX-O3 mission reused systems from the LEX-O2 systems from the LEX-02 mission without any modi-fication, demonstrating the robustness of the IS-RO's capability of design to reuse flight systems. ISRO Chairman S. Soma-

nath congratulated the team for its efforts in mainteam for its efforts in main-taining the success streak in such missions. S. Unnik-rishnan Nair, Director, Vik-ed Centre, emphasised that this "consistent success boosts ISRO's confidence in the critical technologies essential for future orbital re-entry missions".

Advisory on organ transplantation may be put up at airports

S. Vijay Kumar

With more number of foreigners visiting India to undergo organ transplan-tation, the Union Health and Family Welfare Minis-try has issued an advisory to sensitise international

to sensitise international patients to the organ transplant protocol and legal framework in the country. Health secretary Ministry, Health Secretary Apurva Chandra said India had emerged as one of the leading destinations for foorgan transplantation due to the availability of world-class facilities and highly world-class facilities and highly world-class secretary for these world with the second of the se

It was essential for these foreign nationals to under-stand the specific guide-lines and legal require-ments that regulate the process of organ transplan-tation in India. To sensitise tation in India. To sensitise them on medical visa for organ transplantation and address queries regarding rules pertaining to the sur-gery, the Health Ministry had prepared a set of pro-tocols and guidelines to be published on websites of the Bureau of Immigration

because breast cancer is a "hidden epidemic in Third

recently in the journal Cell

Monday, June 24, 2024

of the Home Ministry. The Health Secretary al-so wrote to the External Af-fairs Ministry to circulate and publish the guideline at prominent places in air ports to create aware among foreigners visiting the country for organ tran-splantation. Some of the treatment of diseases which required organ tran-splant would be permitted only on a medical visa and all living donors should be of the age 18 or above.

Transplantation of Human Organs and Tissues Act, 1994, and other Rules, no Indian donor is permitted to donate his organ or or gans to a foreigner unless they are a near relative of tive could be a spouse, son, daughter, father, mother, brother, sister, grandfath-er, grandmother, grandson

brother, sister, grandfath-er, grandmother, grandson or granddaughter.

A senior official of the embassy of the country of origin in India is required to certify the relationship between the donor and the recipient.

Censor board thwarts

The Dev Patel-directed revenge drama Monkey Man, set in a dystoplan version of India, is yet to be seen in the country because the Central Board of Film Cer-tification has thwarted its release without formally banning it, by simply not scheduling a screening of the film for its advisory pa-

nel, according to a source. This is despite the fact that Universal Studios has already made changes from its original cut of the from its original cut of the film, clipping scenes that sharply emphasised the nexus between religion and politics. The version of the film that was released globally in theatres on April 5, and on streaming platforms recently, does not include these scenes. Apart from the cut scenes, Universal Studios also



TH GROSSWORD + 14209

Moment of greatest stress, close to numb with doctor operating to save family (8,5)

Suspicion is strong after spouse almost catches husband (5)
 Most ferocious leader of bandits perishes in raid (9)

mining Committee.

The Cinematograph
(Certification) Rules, 2024,
notified in March, and its
preceding 1983 version,
both lay out a five-day deadline for a film to be referred to the Examining
Committee which watches Committee, which watches films before taking deci-sions on what changes should be made, if any. That deadline passed in

The CBFC declined to The CBFC declined to reveal any details of the film's examination in rearmation request by The Hindu. The CBFC's Chief Executive Officer, Smita Vats Sharma, upheld its transparency officer's decision to withhold these decision to withhold these decision to withhold the second that the control of the contr formation Act. Warner Bros Pictures India, which distributes Universal Pic-tures movies in the coun-try, declined to comment.

New research heralds breast cancer diagnosis with just a drop of blood cost-effective, and non-in-vasive method in breast cancer diagnosis," she said. Affordable, quick and robust early detection pro-tocols for breast cancer diagnosis using miRNA-ast control to the control beauthcare system majorly because breast cancer is a

Scientists at the CSIR-Centre for Cellular and Mo-lecular Biology (CCMB) here, in association with clinicians of the Regional Cancer Centre (RCC) in Thiivananthapuram, have lentified a potentially rious kinds of breast cancer om just a drop of blood. The researchers have

nalysed microRNA (miR-NAs) signatures in hun-dreds of human cancer samples and identified 439 of them associated with inof them associated with invasive breast cancer, of
which 107 qualified to be
potential biomarkers forten to the control of the control
set of invasive ductal carcinoma, said CCMB Chief
Scientist Lebha Dimesh Kuman, said CCMB Chief
Scientist Carcinomic Scientist
Most of the Cellular processes in a body are regulated by miRNA molecules
son-coding. RNA molemon-coding. RNA mole-

non-coding RNA mole-



NAs involved in the regula-tion of the initiation and progression of breast can-the control of the control of the the development of molecular tools for early diagno-sis and prognosis, Dr. Leb-hat called Criculation called Circulating mudels and control of the control of the called Circulating mudels appeared to the control of the progression of the control of the specific genetic changes, including DNA, RNA, and proteins, which are detec-table in pleasm or other beat NAs involved in the regula-

elsewhere reluctant to go for a physical examina-tion," Dr. Lekha said. The discovery of bio-markers has become essen-tial for early detection,

to identify the earlier stag es of cancer development. Based on this principle, the identified bi the identified biomarkers could be made into a liquid biopsy system that might prove to be a boon for de-veloping countries, as can-cer could be detected from one drop of blood.

Cost-effective method "Our study has paved the way for the application of miRNAs as biomarkers and would open up new vistas in developing a refined,

Student held for alleged terror links in West Bengal

The Hindu Bureau

his alleged links to a Ban-gladesh-based terror outfit.

World countries, with most rural women in India and The accused was pro-duced before a district manded in police custody for 14 days. "Today, STF West Ben-

It has been learnt that the

tial for early detection, and monitoring of cancer. It holds the secure and reduces the economic burden of the family in particular and society in general, she added the monitoring the secure and particular and society in general, she added the particular and society in general, she added the secure and sec members of the group mostly communicate through a cryptic messag-ing platform," an STF offi-cial said after the arrest on The police said the ac-cused has links to a new terror module named 'sha-hadat', which is also oper-aring in Bangdadesh. Charg-es have been brought under the UAPA.

Monkey Man release even after global cuts

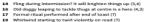


from saffron to red

Universal Pictures had Universal Pictures had scheduled the film for a theatrical release in India on April 19, but it has still not been released official-ly. According to a source with direct knowledge of the film's journey through, this is because the CBFC, which is in the position to which is in the position to either ban or approve the movie, has simply avoided

To solve this puzzle online, get across to our crossword site. @ https://grgo.page.link/jipTu





21 Detailed chronicle about invasion (4) A, say, good lady dancing with retired men in retro bar (5,5) 25 One left fumbling in darkness? This will provide illumination

26 Former South African cricketer hit a fantastic sixer finally (5) 27 Mark led maiden astray? That's cheap (6-3-4)

- 3 Warm clothes or dresses, primarily inexpensive (10) warm cludies of unesses, primarily inexpensive (20) Start to impect garden containing money plant (5) Sentimental drivel by director, mushy thing that's said before retiring (4,5) Brought back LSD, dope, taking chances (4)
- Demanding information about arresting journalist at home (7) Tungsten, crude tin or another malleable metal (7,4)
- Spooner picked up two hats for youngster following latest trends (5-6) Grooved with my date, twirling over carpet (10) 15 Knock back drink with girl, one serving person at the bar (9) 18 Expedition discovered oil in African capital (7)
- Sound of clearing throat after consuming drug in a line (7) 24 Criticism of skirt? Ignoring puritan ultimately (4)

SUDOKI





Beyond definition

In his Kandur Anubhuti, Arunagirinatha wonders if Muruan is the sky, earth, fire, water or air? Or is He more than these five elements? Can we say He is the embodiment of the Vedas? But the Vedas themselves seek Him. is Muru-flower of the Wedas? But the Vedas themselves seek Him. is Muru-flower of the Wedas? But the Vedas themselves seek Him. is Muru-flower of the Vedas Salva Siddhanta describes. Murugan cannot be restricted by any definition, said So. So. Meenakshisundaram, in a

lier work, Kandar Alankaram. Murugan is not sareeri (one with a body). Through the questions, Arunagirinatha is, in fact, explaining his own spiritual experience. In the course of his spiritual quest, he must have asked himself all these ques tions, and must have got the answers through Murugan's grace. Attachment to his family and attachment to mateial possessions are fetters that keep him from reaching

rial possessions are fetters that keep him from reaching Murugan's lean. not the one who killed Soorapadman with His wel (spear)? Was He not the God who destroyed the Krauncha mountain's Arunagirinatha asks Murugan if it is fair to let him perish.

"Thogumen lis it fair! Arunagirinatha asks twice, to employ the him of the him perish. Thougan him to the him perish. Thougan him to the him of thi

Pushpak, ISRO's reusable launch vehicle, clears test

This was the third and final test of a series; the mission demonstrated the autonomous landing capability of the vehicle under more challenging release conditions, says the space agency

<u>The Hindu Bureau</u>

BENGALURU

he Indian Space Research Organisation successfully completed the third reusable launch vehicle landing experiment (RLV LEX) at the Aeronautical Test Range in Chitradurga, Karnataka on Sunday.

The third and final test in a series was conducted at 7.10 a.m.

"Following the success of RLV LEX-01 and LEX-02 missions, RLV LEX-03 redemonstrated the autonomous landing capability of the RLV under more challenging release conditions and more severe wind conditions," the ISRO said.

On Sunday morning, Pushpak, the space agency's winged vehicle, was released from an Indian Air Force Chinook helicopter at an altitude of 4.5 km.

The ISRO said that from the release point 4.5 km away, Pushpak autonomously executed crossrange correction manoeuvres, approached the



Textbook touchdown: Pushpak performed a 'precise horizontal landing at runway centre line', the ISRO says. SPECIAL ARRANGEMENT

runway, and performed a precise horizontal landing at the runway centre line.

"Due to this vehicle's low lift-to-drag ratio aero-dynamic configuration, the landing velocity exceeded 320 kmph, compared with 260 kmph for a commercial aircraft and 280 kmph for a typical fighter aircraft. After touchdown, the vehicle velocity was reduced to nearly 100 kmph using its brake parachute, after which the landing gear brakes were em-

ployed for deceleration. During this ground roll phase, Pushpak utilises its rudder and nose-wheel steering system to autonomously maintain a stable and precise ground roll along the runway," it said.

The space agency said this mission simulated the approach and landing interface and high-speed landing conditions for a vehicle returning from space, reaffirming its expertise in acquiring the most critical technologies required for the development of an RLV.

"Through this mission, the advanced guidance algorithm catering to longitudinal and lateral plane error corrections, which is essential for the future Orbital Re-entry Mission has been validated." it said.

The ISRO said that the LEX used sensors such as an inertial sensor, radar altimeter, flush air data system and NavIC. Notably, the LEX-03 mission reused the winged body and flight systems from the LEX-02 mission without any modification, demonstrating the robustness of the IS-RO's capability of design to reuse flight systems.

ISRO Chairman S. Somanath congratulated the team for its efforts in maintaining the success streak in such missions. S. Unnikrishnan Nair, Director, Vikram Sarabhai Space Centre, emphasised that this "consistent success boosts ISRO's confidence in the critical technologies essential for future orbital re-entry missions".

• ISRO's Reusable Launch Vehicle (RLV):

- Indian Space Research Organisation (ISRO) successfully completed the third reusable launch vehicle landing experiment (RLV LEX) at the Aeronautical Test Range in Chitradurga, Karnataka.
- This test demonstrated the autonomous landing capability of the RLV under challenging conditions.

• Test Details:

- The RLV, named Pushpak, was released from an Indian Air Force Chinook helicopter at an altitude of 4.5 km.
- Pushpak performed a precise horizontal landing at the runway center line.



 The vehicle has a low lift-to-drag ratio aerodynamic configuration, with a landing velocity exceeding 320 km/h.

• The mission validated the advanced guidance algorithm necessary for future orbital re-entry missions.

Technological Advancements:

- The mission used sensors such as an inertial sensor, radar altimeter, flush air data system, and NavIC.
- The LEX-03 mission reused the winged body and flight systems from the previous LEX-02 mission, demonstrating ISRO's capability to reuse flight systems.



- Consider the following statements regarding ISRO's reusable launch vehicle (RLV) test:
- 1. The third and final test of ISRO's reusable launch vehicle, Pushpak, was conducted at the Aeronautical Test Range in Chitradurga, Karnataka.
- 2. Pushpak was released from an Indian Air Force Chinook helicopter at an altitude of 4.5 km and demonstrated autonomous landing capabilities.
- 3. The mission used sensors such as an inertial sensor, radar altimeter, flush air data system, and NavIC for precise landing.
- 4. The success of the mission validates the advanced guidance algorithm essential for ISRO's future Orbital Re-entry Mission.
- Which of the statements given above are correct?
- A. 1 and 2 only
 - B. 1, 2, and 3 only
 - C. 1, 2, 3, and 4
 - D. 3 and 4 only

New research heralds breast cancer diagnosis with just a drop of blood

V. Geetanath

HYDERABAD

Scientists at the CSIR-Centre for Cellular and Molecular Biology (CCMB) here, in association with clinicians of the Regional Cancer Centre (RCC) in Thiruvananthapuram, have identified a potentially cost-effective and non-invasive method to detect various kinds of breast cancer from just a drop of blood.

The researchers have analysed microRNA (miR-NAs) signatures in hundreds of human cancer samples and identified 439 of them associated with invasive breast cancer, of which 107 qualified to be potential biomarkers for the stratification of different types, grades and stages of invasive ductal carcinoma, said CCMB Chief Scientist Lekha Dinesh Kumar, who led the research.

Most of the cellular processes in a body are regulated by miRNA molecules which are 23-25 base small non-coding RNA mole-



Screening test: Scientists have identified a potentially cost-effective, non-invasive method to detect breast cancer. V. RAJU

cules. Identification of miR-NAs involved in the regulation of the initiation and progression of breast cancer holds great promise for the development of molecular tools for early diagnosis and prognosis, Dr. Lekha said.

The scientist explained that cancer cells shed DNA/RNA into the circulation called 'circulating nucleic acids (CNAs) and tumourspecific genetic changes, including DNA, RNA, and proteins, which are detectable in plasma or other bo-

dy fluids of cancer patients to identify the earlier stages of cancer development.

Based on this principle, the identified biomarkers could be made into a liquid biopsy system that might prove to be a boon for developing countries, as cancer could be detected from one drop of blood.

Cost-effective method

"Our study has paved the way for the application of miRNAs as biomarkers and would open up new vistas in developing a refined, cost-effective, and non-invasive method in breast cancer diagnosis," she said.

Affordable, quick and robust early detection protocols for breast cancer diagnosis using miRNAs could strengthen the healthcare system majorly because breast cancer is a "hidden epidemic in Third World countries, with most rural women in India and elsewhere reluctant to go for a physical examination," Dr. Lekha said.

The discovery of biomarkers has become essential for early detection, classification, and monitoring of cancer. It holds the key for the cure of this scourge and reduces the economic burden of the family in particular and society in general, she added.

Nine international patents have already been granted for these biomarkers as a testimony to the application of results of this study, which got published recently in the journal *Cell Communication* and *Signalling*.

New Diagnostic Method:

Scientists at CSIR-Centre for Cellular and Molecular Biology (CCMB) in Hyderabad, in association with the Regional Cancer Centre (RCC) in Thiruvananthapuram, have developed a new method to detect breast cancer using just a drop of blood.

This method is cost-effective, non-invasive, and aims to detect various types of breast cancer.

MicroRNA (miRNA) Analysis:

Researchers analyzed miRNA signatures in hundreds of human cancer samples, identifying 439 miRNAs associated with invasive breast cancer.

These miRNAs can serve as potential biomarkers for different cancer types, grades, and stages.

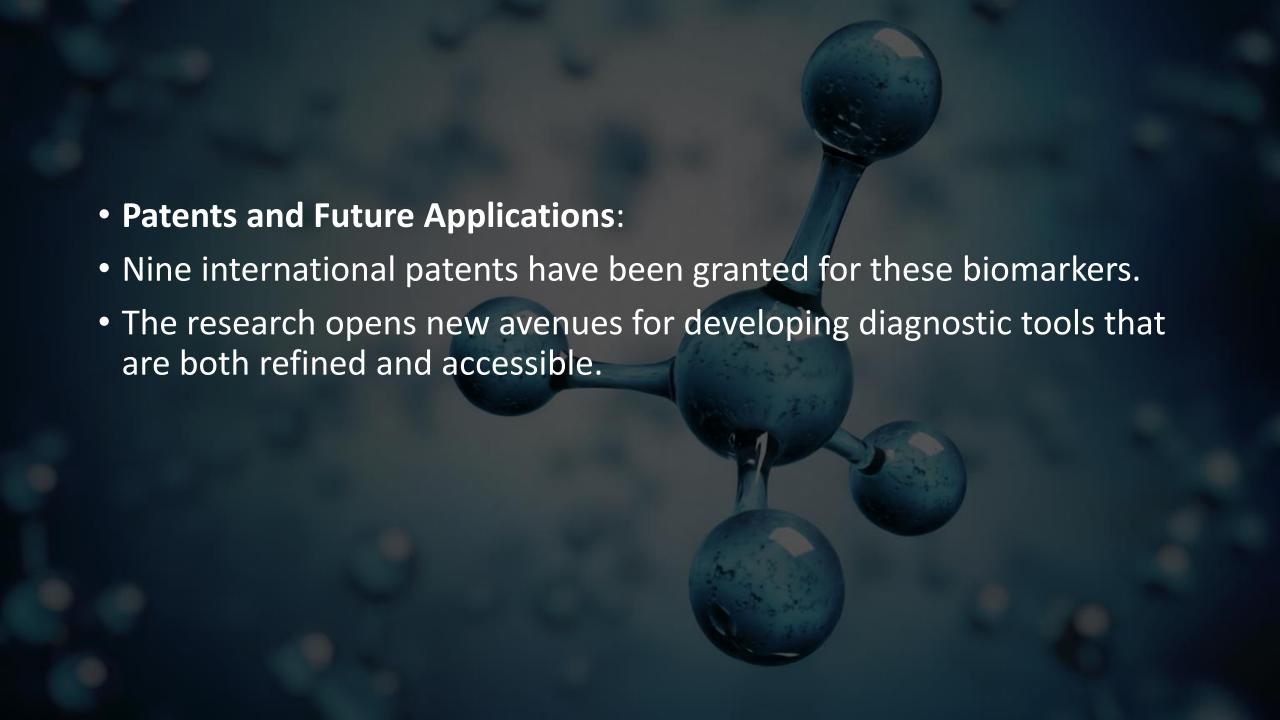
Significance of miRNAs:

miRNAs are involved in regulating cellular processes and are found in blood as circulating nucleic acids (CNAs).

Cancer cells shed DNA/RNA into circulation, which can be detected to identify early stages of cancer development.

Potential Impact:

- Early detection and classification using this method can improve diagnosis and treatment, particularly in developing countries where breast cancer is prevalent but physical examinations are less accessible.
- The method holds promise for developing a liquid biopsy system, making it easier and cheaper to diagnose cancer.



- Consider the following statements regarding the new breast cancer diagnostic method developed by CCMB and RCC:
- 1. The new method to detect breast cancer requires only a drop of blood.
- 2. The diagnostic method utilizes the analysis of microRNA (miRNA) signatures.
- 3. This method is non-invasive and cost-effective, aimed at early detection and classification of breast cancer.
- 4. The new diagnostic tool requires extensive physical examination to confirm the presence of cancer.
- Which of the statements given above are correct?
- A. 1, 2, and 3 only
 - B. 1 and 3 only
 - C. 2, 3, and 4 only
 - D. 1, 2, 3, and 4

Text&Context

THE MACHINDU -

NEWS IN NUMBERS

Amount infused by FPIs in Indian equities in June

12,170 in ₹ crore Foreign investors staged a comeback after the the election results in Indian equities, driven by expectations of continued policy reforms. Pr

Number of infra projects hits by cost overrun in May

455 Infrastructure projects, each entailing an or above, were hit by a cost overrun of more than 45.71 lash crore in May this year, according to the MoSPI. +11

The funds needed to repair the damage by Cyclone Remal

requested monetary assistance from the Centre for rehabilitation of people and for the repair of damages caused by Cyclone Remal. Ph Domestic exhibitors to participate in the garment fair

350 Domestic players and foreign buyers from more than 50 nations will participate in the garment fair, beginning on June 25, according to the Apparel Export Promotion Council.

Number of people killed in North Gaza in Israeli strikes

The Palestinian Civil Defence said it pulled approximately the same number of bodies from a building hit by an Israeli strike in an eastern neighbourhood of the Gaza City. **
COMPLED BY THE HABOL DATA TEAM

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What are the duties of a Speaker?

What does the office of the 'Speaker pro tem' mean? What does the Constitution state? Who elects the Deputy Speaker of the Lok Sabha? How can the impartiality of the Speaker's office be preserved? What are the main roles of the Speaker?

EXPLAINER

The story so far:

he President has appointed seven-time MP Bhartruhari seven-time MP Bhartruhari tem' of the 18th Lok Sabha. The election of the full-time Speaker is scheduled for June 26. There are also reports of the Deputy Speaker being reports of the Deputy Speaker being offered to one of the allies of the ruling National Democratic Alliance (NDA), a post that has been held by the Opposition since the 10th Lok Sabha (1991).

Who is Speaker pro tem? Article 94 of the Constitution Who is specialter protein?

Who is specialter protein?

Who is specialter protein.

Who is specialter protein the speaker of the Lok Sabha shall not vacate his/her office until immediately before the first meeting of the Lok Sabha the office of the Speaker is never left vacant. Hence, Om Birla who was the Speaker of the ITH Lok Sabha continues meeting of the IRH Lok Sabha is seried with the Speaker of the IRH Lok Sabha is strength of the IRH Lok Sabha is scheduled. Article 95(1) of the Sabha is scheduled. Article 95(1) of the Constitution provides that when the post scheduled. Article 95(1) of the first meeting of the IRH Lok Sabha to perform the duties of the Lok Sabha to perform the duties of the Lok Sabha to perform the duties of when the first meeting of a new Lok Sabha commences.

Sabha commences.

Hence, the President appoints 'Speaker pro ten' under this provision till the full-time Speaker is elected. The term 'pro tem' means 'for the time being' or

mporary . This term is not found in the Constitution or rules of Lok Sabha but is a conventional term which finds mention in conventional term which finds mention in the 'Handbook on the working of Ministry of Parliamentary affairs.' As per tradition, one of the senior-most members of the Lok Sabha is selected by the government, who is then administered oath by the President. The Speaker pro tem administers oath of office to other MPs



Speaker. In the 18th Lok Sabha, Bhartruhari Mahtab of the Bharatiya Janata Party (BJP) has been appointed as

How are the Speaker and Deputy Speaker elected?

Article 93 of the Constitution states that the Lok Sabha shall choose two member the Lok Sabha shall choose two members to be its Speaker and Deputy Speaker. The election of the Speaker is held on a date fixed by the President. All the Speakers in independent India have been elected unopposed. The election of Deputy Speaker is held on a date fixed by the Speaker.

What is the role of the Speaker?

Speakers perform two important constitutional functions of certifying a Bill o be a Money Bill (over which the Raiva Sabha has limited role), and deciding on disqualification under the Tenth Schedule for defection. In discharging these roles ir the past, the Speakers have invariably favoured the ruling dispensation, something that should be avoided.

something that should be avoided.

The Lok Sabha rules provide the
Speaker with the powers of referral of
Bills introduced to Standing Committee
and suspension of members for grave
disorder up to a maximum of five days.
Referral of Bills to committees have

declined from 71% during 2009-14 to 16% during 2019-24. With the return of a coalition government, it is expected that coalition government, it is expected that the coalition government is considered that the standing committees for scrutiny. There were also large-scale suspensions of Opposition MPs during the winter session of 2023. Such suspensions affect the robust functioning of Parliament and should be carried our with restraint.

What are the conventions? In Britain, the Speaker once elected to his/her office, resigns from the political party to which he/she belonged. In subsequent elections to House of Commons, he/she seeks election not as a member of any political party but as 'The Speaker seeking re-election'. This is to reflect his/her impartiality while presiding over the House. Somnath Chatterjee, who was the Speaker of the 14th Lok Sabha acted independently by 14th Lok Sabha acted independently by not resigning from the post despite his party's (CPM) direction after it had withdrawn support from the United Progressive Alliance (UPA) government during a confidence vote in 2008. While the Tenth Schedule allows a Speaker to the Tenth Schedule allows a Speaker to resign from their political party on being elected to their office, it has never been done by any Speaker till date. Resignation from their political parties on being elected as Speaker could be a first step

towards demonstrating independence. The Deputy Speaker is an important constitutional officer who steps in during the vacancy or absence of the Speaker. The convention of offering the post of Deputy Speaker to the Opposition started in the year 1991. Thereafter, till the 16th Lok Sabha this has been followe a break. It was a travesty of the Constitution that no Deputy Speaker was elected in the 17th Lok Sabha.

elected in the 17th Lok Sabha.

The healthy convention of the post being held by Opposition should return in the current Lok Sabha.

Rangurajan.R is a former IAS officer and author of Polity Simplified: the currently trains civil-service aspirants at Officers IAS Academy. Views expressed are personal.

The President has appointed seven-time MP Bhartruhari Mahtab as the 'Speaker pro tem' of the 18th Lok Sabha.

Article 94 of the Constitution states that the Speaker of the Lok Sabha shall not vacate his/her office until immediately before the first meeting of the Lok Sabha after its dissolution

The Deputy Speaker is an important constitutional officer who steps in during the vacancy or absence of the Speaker.

How is methanol procured and used as liquor?

Was the Kallakurichi incident the first time that methanol poisoning has come to light?

The story so far: he Kallakurichi illicit liquor tragedy that has so far claimed more than 50 lives is entirely familiar in its cause, sequence of events, and aftermath. Such tragedies happen periodically across India in various States. Almost all the postmortem reports of the victims attribute the cause

How are ethanol, methanol made? Ethanol is legal liquor for consumption. It is produced biologically whereas methanol is produced from fuels such as coal in India. Molasses, which are a coal in India. Molasses, which are a by-product of the sugar making process, form the starting material of distilleries that the superior of the superior of the factories. They product extitled spirit which is distilled further to produce edible extra neutral accohol that in turn goes into making Indian Made Foreign Liquor, a bucrative cash cow for State

governments. During ethanol production in responsible distilleries, methanol is also produced but is carefully removed since the processes are highly controlled. Methanol is produced from coal and other fossil fuels. While ethanol can be made edible, methanol is poison. Even

made edible, mehanol is polison. Even very low concentrations of methanol can be toxic, often fatal. However, it is needed to produce a range of products that are highly useful. Paints, for instance, can't be produced without methanol.

Is methanol easy to procure? Just like ethanol, methanol is a h controlled substance. Rules in Tamil Nadu

controlled substance. Rules in Tamil Nadus ensure the manufacturing, transportation and storage are all licenced, monitored and the substance of the methanol used in incuttern Tamil Nadu, much of the methanol used in industries is sourced from Andhra Pradesh. Ground reportage

from Andhra Pradesh. Ground reportage suggests the existence of a lucrative methanol pilferage racket operating enroute and at the end-user side as well. It is possible that methanol formed

during the crude distillation process, adopted by the bootleggers at Kallakurichi, wasn't removed, leading to methanol poisoning. However, the scale of the Kallakurichi tragedy suggests that methanol was procured and supplied separately, either as part of a brew or alone in a diluted form. Given that illicit locations are supplied to the control of the decided here our practice at the consider. widely here over many months, possibly years, methanol use was not a one-off event that happened only this fateful week at Kallakurichi.

Why is methanol used?

Most of the hooch tragedies in India occur due to methanol contamination in liquor. Street wisdom, or belief rather, may well Street wisdom, or beiter rather, may weil be that the relatively inexpensive but potent poison that is methanol, if diluted enough, could provide the same effect as ordinary liquor – a state of intoxication or 'kick' for consumers.

Prosecutors in the 2015 Malvani, Mumbai hooch tragedy case in which

more than 100 people died and some 75 were injured argued that all the accused had entered into a criminal conspiracy, and deliberately procured and supplied poisonous methanol. Lawyers defending the accused argued that their defendants would not knowingly add methanol. It made no business sense. And bootleggers, made no business sense. And bootleggers, just like in Kallakurichi, live amidst the community. They provide a service that is much in demand and wouldn't want to kill their own folk. The additional sessions kill their own folk. The additional sessions judge S. D. Tawshikar, in the Malvani case, acquitted 10 of the 14 accused but convicted four. The judge did not find anyone guilty of violating the Poisons Act of 1919. The four were convicted of criminal conspiracy, and culpable bomicide not amounting to marder.

What needs to be done?

The periodic occurrence of methanol poisoning suggests the need for strong central legislation that can work with State legislation. Various laws such as the Poisons Act that involves State governments can tighten the methanol supply chain. The implementation of laws holds the key, especially when there are plans to ramp up the production of both ethanol and methanol for use as cheaper

ethanoi and methanol for use as cheaper, eco-friendly alternatives to petrol and diesel for transportation. The NITI Aayog has talked of ramping up methanoi production from two metric tonnes to 20. Keeping methanol and ethanol separate and not allowing any pilferage should be a national priority.

THE GIST

The Kallakurichi illicit liquor tragedy that has so far claimed more than 50 lives is entirely familiar in its cause, sequence of events, and aftermath. Almost all the postmortem reports attribute the cause to methanol consumption.

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Just like ethanol, methanol is a highly controlled substance. Rules in Tamil Nadu ensure the manufacturing, transportation and storage are all licenced, monitored and the quantity and quality audited.

In northern Tamil Nadu, much of the methanol used in industries is sourced from Andhra Pradesh. Ground reportage suggests the existence of a lucrative methanol pilferage racket operating enroute and at the end-user side as well.

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during the crude distillation process, adopted by the bootleggers at Kallakurichi, wasn't removed, leading to methanol poisoning. However, the widespread nature of contamination and scale of the Kallakurichi tragedy suggests that methanol was procured and supplied separately, either as part of a brew or alone in a diluted form. Given that illicit liquor has been produced and distributed widely here over many months, possibly years, methanol use was not a one-off event that happened only this fateful week at Kallakurichi.

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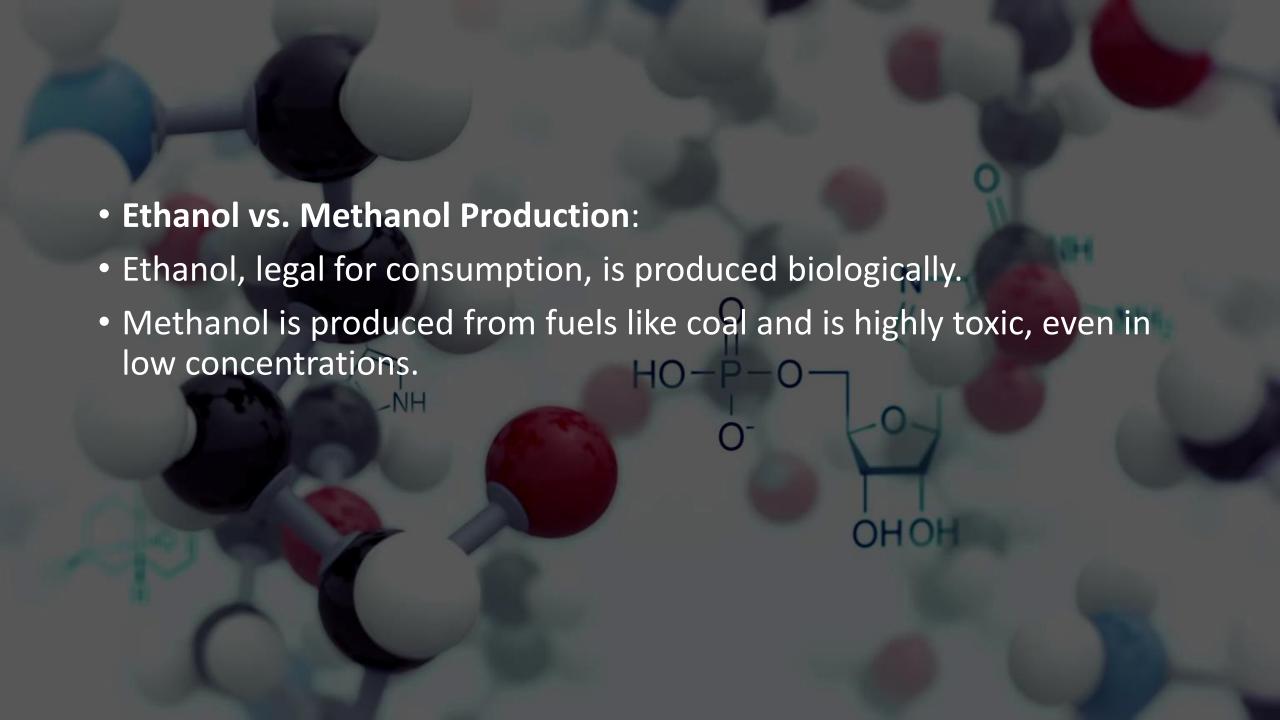
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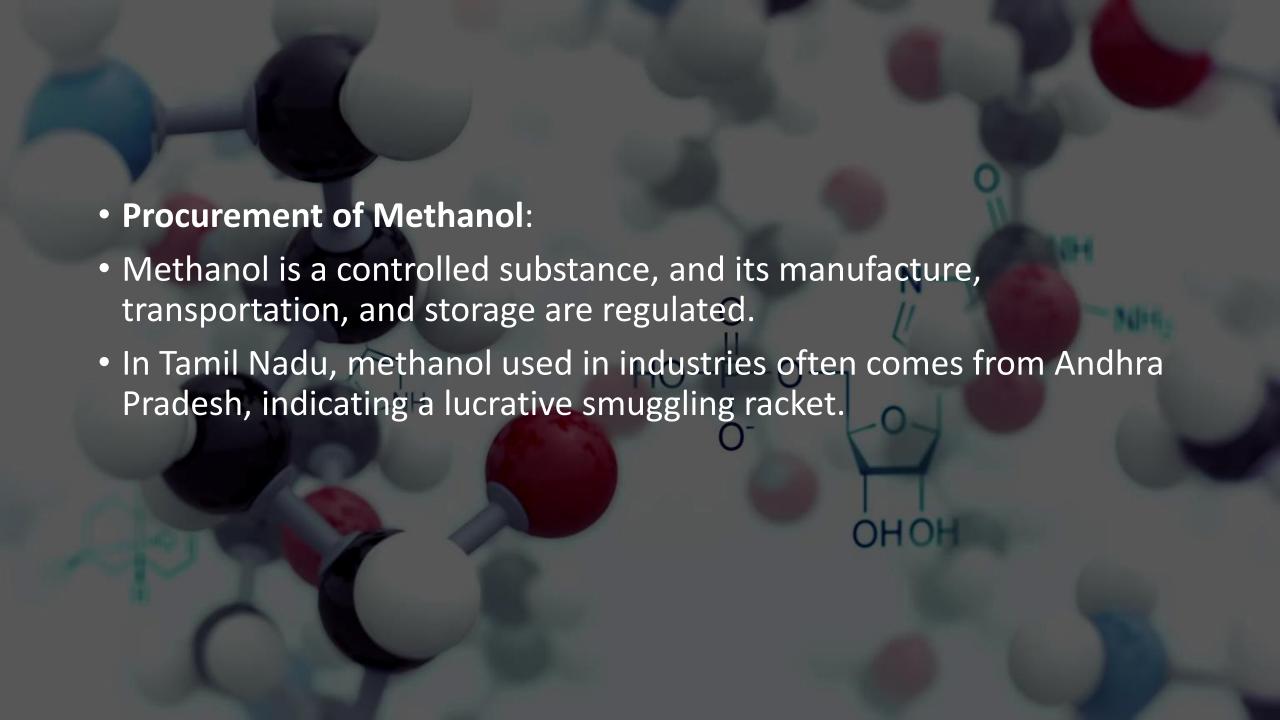


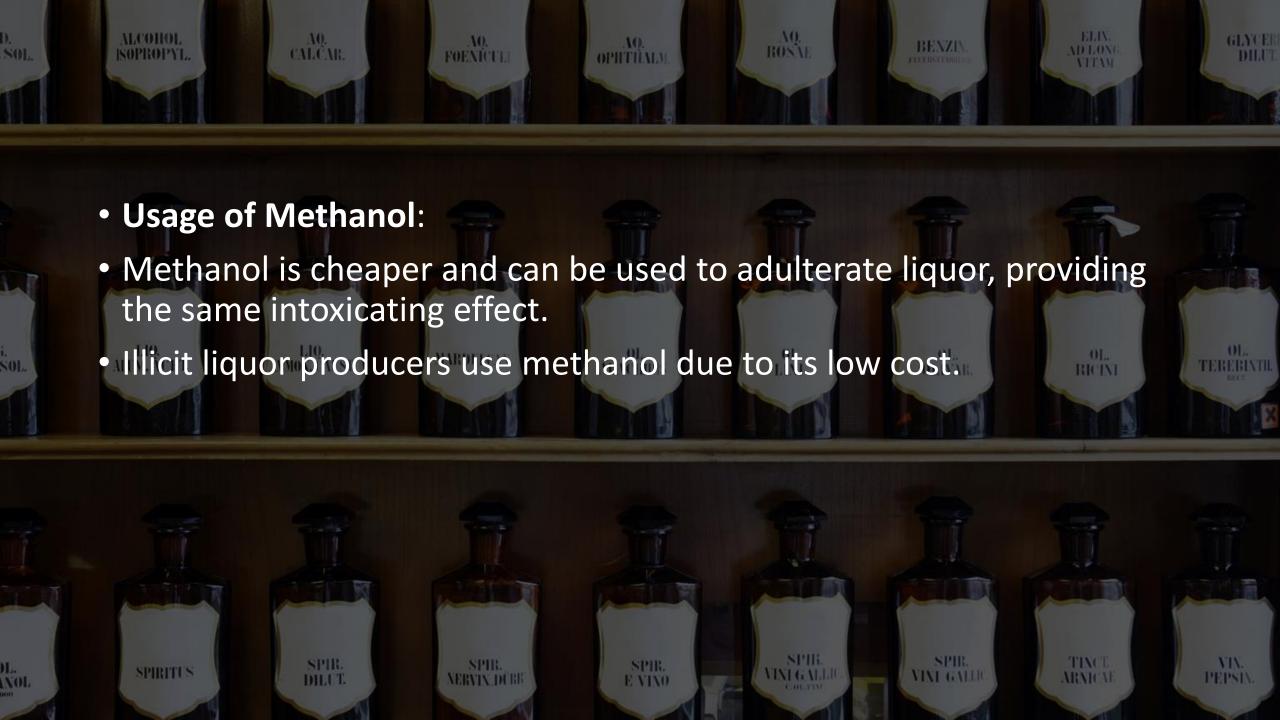
Incident Overview:

The Kallakurichi illicit liquor tragedy claimed more than 50 lives, with methanol consumption identified as the cause.

Such tragedies are common across India, with methanol often being the culprit.







Legal and Regulatory Measures:

The Poisons Act and other regulations need to be strengthened to prevent methanol poisoning.

The NITI Aayog has proposed ramping up methanol production for use as fuel, which necessitates strict regulation to prevent pilferage.



- Consider the following statements regarding the use and effects of methanol in illicit liquor:
- 1.Methanol is produced biologically and is safe for consumption in small quantities.
- 2. Methanol poisoning is a recurring issue in India due to its use in adulterating illicit liquor.
- 3. The Poisons Act and other regulations are in place to control the manufacture, transportation, and storage of methanol.
- 4. Methanol is a cheaper alternative used to provide the same intoxicating effect as ethanol in illicit liquor production.
- Which of the statements given above are correct?
- A. 1 and 2 only
 - B. 2, 3, and 4 only
 - C. 1, 3, and 4 only
 - D. 2 and 4 only

INDAY, JUNE 24, 2024, NEW DELHI, LATE CITY, 16 PAGES

F7 OO (FR BIHAR & RAIPLIR F12 SRINAGAR) WWW INDIANEXPRESS COM

SSAULT CASE AS HONOUR TO BE DUR VOICE: RAHUL ETTER TO WAYANAD

hose helping errorists should e tried under nemy Agents w: J&K DGP



RUNSHARMA

ad by probe agencies under the emy Agents Ordinance, which nuch harsher than the UAPA

nuch harsher than the UAPA. I has the punishment of either term or death sentence, J&K. P.R. Swain said Sanday. "In Jammu and Kashmir, we ents Ordinance." Swain told orders after inaugurating acy-rpolice station building here. e Law was made to tackle for-ninghters and invaders, espe-Ily from Pakistan, who co and try to disturb and desta-Yeh fighters toh is tarah ki in-igation ke dairey mein aaney

BIHAR POLICE ARREST 5 MORE SUNDAY TAKING TOTAL IN CUSTODY TO 18

In burnt scraps, Bihar Police found 68 questions matching 'original' NEET paper

Serial numbers identical, centre code matched; Hazaribagh principal says leak possible before papers arrived

RITIKACHOPRA

THE BIHAR government's com munication to the Centre that its probe "clearly suggests a paper leak" in the NEET-UG exam is based on the fact that its Economic Offences Unit (EOU) is said to have matched 68 ques-tions (of the estimated 200) reeved from the burnt remains of a purported photocopy of the one that the National Testing Agency (NTA) shared with the EOU five days ago, The Indian Express has learned. The EOU's report, received by



the NEET-UG case in Patna

In Jharkhand, e-rickshaw ferried papers, chain of custody under scanner

ARHISHEK ANGAD

AS PART of their probe into the alleged NEET-UG paper leak, in-vestigators in Bihar and Jharkhand looked at courier and transport companies tasked with ferrying the question papers, and

Indian Express has learnt.

After probe officers in Bihar und that the serial code found on the burnt remains of a leaked question papers was of an exam-ination center in Jharkhand's CONTINUED ON PAGE 2



Students arrive at a school in Haryana's Jhajjar for the NEET-UG retest on Sunday. Als

ANXIETY

CLOUDBURST IN ARUNACHAL

burst in Arunachal Pradesh's Itanagar triggered floods and landslides on Sund hile, Home Minister Amit Shah held a meeting on floods in several states. AN

CBI takes over NEET probe; NTA looks to debar 17 Bihar candidates Bihar and Guiarat transfer their cases to central agency

RITIKACHOPRAS

THE CENTRAL Bureau of Investigation (CBI) Sunday took over the probe into the alleged irEXPRESS NETWORK Patha, based on the report sent to the Centre by the Bihar Police's Economic Offences Unit. According to sources, the Education Ministry is of the view that the ingendation. BIHAR: GANG MEMBER WHO GOT SOLVED PAPER AMONG 5 HELD AT RETEST CENTRE,

that the irregularities mentioned in the Bihar EOU report are a "lo-UNCERTAINTY AND calised problem" that can be ad-dressed by debarring the candi-

The President's Bodyguard rehearses at Vijay Chowk or Sunday. President Droupadi Murmu will address the jo sitting of Lok Sabha and Rajya Sabha on June 27.Art

Resurgent Opp set to push Govt for answers as House session starts today

Exam 'irregularities', train accident & Bangladesh water treaty among issues

EXPRESS NEWS SERVICE

THE FIRST Parliament session of the 18th Lok Sabha will begin Montay and, unlike in 2014 and in 2019, the mood in the House is ex-pected to be different. A resurgent have some up, appears combative eral fronts, especially over the ged irregularities related to T-UG and NET exams.

The government, on the other hand, appears to be in no mood to be on the backfoot. It has already shunted out the chief of the National Testing Agency (NTA) and appointed an expert committee to recommend a admap for examination re-ms and review of the agency. On the eve of the session,

buck stops at the doorstep of the top echelons of the government And it was not just the NEET-



to the Dalit community.



THE WORLD

NETANYAHU CLAIMS ILS WITHHOLDING ARMS SHIPMENTS RUSSIA CAN REDUCE DECISION TIME FOR NUKE USE: HEAD OF DEFENCE PANEL

CoBRA jawans killed in Sukma s Maoists target truck with IED

YPRAKASH S NAIDU

VO IAWANS of the Commando AND JAWANS of the Commando tralion for Resolute Action (BRA) were killed Sunday af-noon after Maoists set off an provised explosive device D) targeting their truck near napuram village in hattisgarh's Sukma district. According to officials, the IED s planted by Maoists hiding in jungle area between the pocamps in Silger and The CoBRA jawans in the

MARCH 3: Bastar Fighters constable killed in Kanker. One Maoist also killed.

JAN 30: 3 CRPF jawans, 2 of them from CoBRA, killed in Tekalgudem encounter. FEB 18: Chhattisgarh Armed Force (CAF) company commander hacked to death in Bijapur. FEB 25: CAF jawan killed in

UNE 15: Special Task Force

Amid setbacks, first signs of progress in lithium mining in Chhattisgarh

MADIST VIOLENCE THIS YEAR

AGGAM WALIA NEW DELHI, JUNE 23

DEA EXPLORATION OF LITHIUM &

moved a step further with one block advancing to the second round of auctions and promising the Americans is the most dangerous war

The reassuring signs from Korba come after a series of roadblocks in the Centre's en-deavour to develop India's first lithium mine including the can-

Bithium raine including the can-cellation of auction of a lithium block in Jammu and Kashmir's (BaK's) Braul distinct due to insuf-ing the state of the state of the of exploration plans in Manipur's Kamjong district due to "local resistance", and "nut em-cration in Ladadh and Assam, In Korba, just south of the CONTINUED ON PAGE 2

social media account that con

the T20 World Cup at Kin

MOMENTS AFTER Afghanistan's

historic 21-run win over Australia in the Super 8 game of

After historic win over Aussies, Rashid sends

Afghanistan players after the win over Australia Saturday. PT

a message home: 'Roll up sleeves... celebrate'

team's two old hands talking di-rectly to the fans back home. Kandahar-born Delhi University PhD student and cricket fan Nazamudin Asar, af-ter sharing his excitement over his team's chances of making it to the semifinal from a group that has India and Australia, translated the verse. "Roll up

Australia makes it a three-way contest for the semifi-nal spots in Group I. In the group's final two games, Afghanistan vs Bangladesh and India vs Australia, winfor Afghanistan and India will take both to the last four. If not, Net Run Rate will be key. India can m out if Aussies beat then a big margin and Afgha istan beat Bangladesh.

'Graduation' after 60 kills: Rewilding rescued tigers at MP 'school'

IAND MOHAN J

E CURRICULUM at this acad-ECURRICULIM at this acad-yis brutal — hunting swees, kill count and the abil-to evade hunnan detection. The students are cephaned being trained at the Kanha pr Reserve in Madhya Fradesh er eleased into the wild again. Since its inception in 2005, the hunta Tiger Reserve has success-ly rewidled a dozen tigers, set-gal benchmark. Before this, oraned tigers would typically end half years old and the other 20 months. Their mothers did not

districts. All four we der similar circu

waiting for their mothers near lakes, In all cases, they were sur-rounded by village residents case, the villages threw stones. The four tigers include two siblings – both four months old — from Bhopal. Their mother jungles of Ranpani. The two oth-ers are unrelated, but are from Sconi. One is now two-and-a-

sing a goat as bait.

At the reserve, the younger tree tigers share a 2,000-squarefoot predator-proof enclosure. The older one has been moved

the countries has been intolered with the countries of their days lazing around and hunting small animals.

Widdlife officials watch from a distance, noting each kill. Once a tiger racks up a kill count of 60 chitals (spotted deer) it can "graduate" and be released into the widd.



Two orphaned cubs at the Kanha Tiger Reserve, Express

chickens on their own. They are kill in 20 seconds," Kanha case of two tigers, however, who able to hunt properly and we in-slowly moving to goats. The cubs Autional Park Field Director 5 K did not make it - one died in a tervene, putting it back to huntepaper.indianexpress.com

enclosure in the tiger reserve. The enclosure holds a small number of chital that can be driven into an inner enclosure driven into an inner enclosure for predation by tigers, CCTV cameras were also installed to record activities and minimise human imprinting on the tigers. Kanha vetenarian Dr Sandeep Aggarwal knows each tiger that graduated from the enclosure. "Most of the rewilded

tigers are still alive. There was a

From the time the cubs are 20 22 days old, they are fed milk

22 days old, they are fed milk, eggs, and mastled meat by bar as and to collar for another year. Of three-four months, live predaton begins in the exclosures the chickens. At around six-eight months, they begin hunting moved to a larger enclosure where they bunt chitak. The reversible groups of the chickens are now heavily relies on Kanlas's moved to a larger enclosure where they bunt chitak. The reversible groups result of the chickens are now heavily relies on Kanlas's moved for the chickens are now heavily relies on Kanlas's move are times when the tiger is un

spending around two-anu-a-half years in the enclosure. It is then monitored with the help of

CYBERATTACKS A GROWING CONCERN FOR ESTONIA AND INDIA

Estonia looks at Indian partnership to beef up cybersecurity infrastructure

SOUMYARENDRA BARIK

NEW DELHI, JUNE 23

ESTONIA, ONE of the world's most advanced digital countries, is looking to partner with India to collaborate on strengthening the two countries' cybersecurity infrastructure, multiple officials from the Baltic country's government said.

Estonia, courtesy its vicinity to Russia, faces a barrage of cyberattacks from the country, more so because of the former's stance on the war between Russia and Ukraine, India, meanwhile, faces a similar threat from its neighbour China.

"We are keen to work with India and to conduct cyber exercises here. Globally, there is a rise in cyber attacks and Estonia is also facing attacks from hackers," Jonatan Vseviov, secretary general, Ministry of Foreign Affairs, told a delegation of Indian journalists. He also highlighted areas like digital services and education systems as potential areas for collaboration between the countries.

about 1.3 million, was a former member of the Soviet Union, and faced one of the largest cyberattacks on its digital infrastructure in 2007 by means of a distributed denial of service (DDoD) attack. At the time, the attack took place



A server farm of CR14 (Cyber Range 14), which is a foundation established by the Estonian Ministry of Defence, whose responsibility is to offer and develop cybersecurity training. File

in the backdrop of riots by ethnic Russian Estonians, prompted by the removal of a Soviet war memorial from the centre of the country's capital, Tallinn.

Since the war between Russia and Ukraine, the country has experienced similar threats from Russian actors, government officials said. Government officials in India have previously said that New Delhi faces much of a similar Estonia, with a population of challenge from Beijing, where a group of independent, and statebacked actors have increased attacks on critical infrastructure in New Delhi, China's army of hackers is part of the country's information warfare apparatus and its aim is to access information and

primarily hold it as ransomware, said Mart Noorma, director of the North Atlantic Treaty Organisation(NATO)Cooperative Cyber Defence Centre of Excellence, told reporters. Ransomware attacks are where a cyber-actor gains access to sensitive information of an entity and encrypts, with the condition of decrypting the data only after receiving a payment.

The NATO (CCDCOE) is a NATO-accredited knowledge hub, which was established in 2008, and offers an interdisciplinary approach to the most relevant issues in cyber defence. It has a group of international experts from the military, govern-

ment, academia and industry from 39 countries.

Noorma said: "We wholeheartedly welcome like-minded democratic nations like India to join us. This will help in cyber knowledge and exchanging methods to address cyber-attacks. The cooperation will help a large-scale coalition through research, training, and exercises."

The ties between Estonia and India are increasingly growing. An Indian contingent was, for the first time, observers in an NATOrun cyber security exercise in Estonia last month. The exercise was the largest of its kind in Europe, Tiit Riisalo, Estonian economic affairs and information technology minister, said. It involved 32 NATO countries and a handful of invitees.

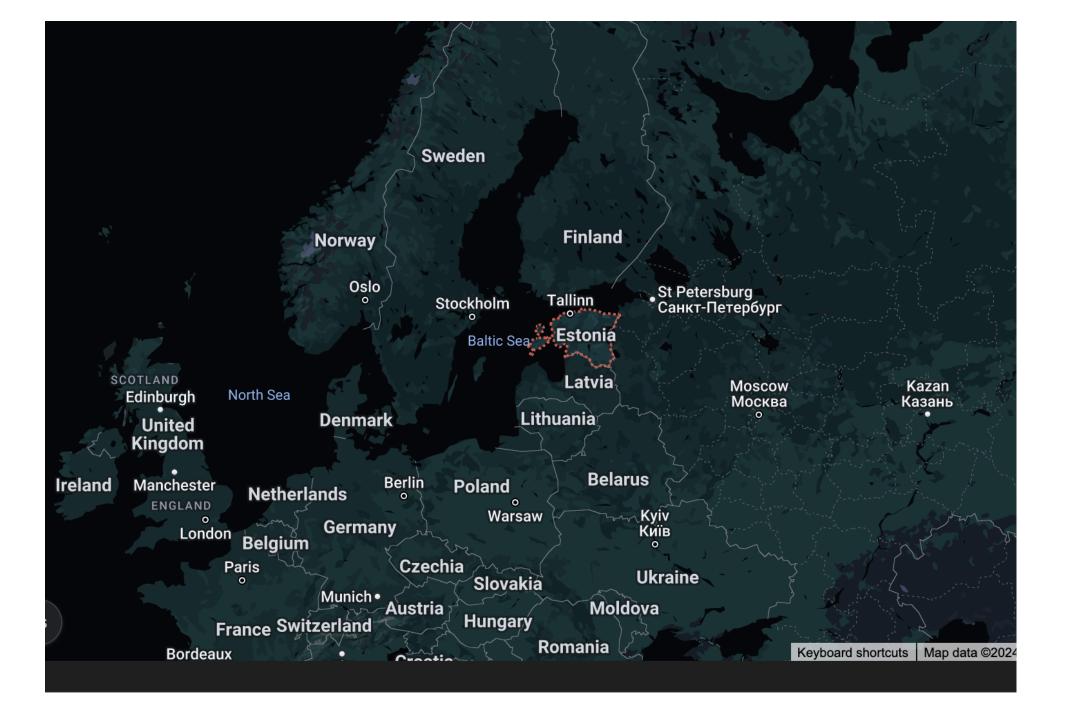
Although, it is worth noting that the Estonian security establishment does not view favourably the fact that India has become one of the largest purchasers of Russian oil since the war began. The Indian Express had earlier reported that India's Russian oil imports climbed to a 10-month high in May as low Russian refinery capacity use due to Ukrainian drone strikes made more of Moscow's oil available for the export market.

Estonian defence minister, Hanno Pevkur, said that the northern European country and India have worked together on cybersecurity issues previously and could further that collaboration not just from government engagements, but by involving the two nations' private sector as

The Estonian Secretary General Vseviov said that European countries are keen to diversify their bases in various industries over concerns emanating from over-reliance on specific countries, especially those with authoritarian regimes. In this context, Estonian officials highlighted, India could emerge as a potential partner for Europe and Estonia, despite the significant population and size differences between the countries. Courtesy of its NATO membership, Estonia has also become a crucial market for a number of Indian start-ups in the defence space as well.

There's another key similarity between Estonia and India – both the countries possess a ubiquitous national identity system, e-ID in the former, and Aadhaar in the latter, which are tied to a number of government services. In fact, in the early days of Aadhaar, when the system was being worked upon, Indian officials had closely studied Estonia's system, a former official at the Unique Identity Authority of India (UIDAI).said.

(The reporter was in Tallinn at the invitation of the Estonian government.)



Capital and largest city	Tallinn 59°25′N 24°45′E			
Official language	Estonian ^[a]			
Ethnic groups (2024 ^[10])	67.8% Estonians 21.5% Russians 5.0% Ukrainians ^[8] 5.1% other 0.6% unknown ^[9]			
Religion (2021 ^[11])	58.4% no religion 26.7% Christianity 12.7% undeclared 2.2% other			
Demonym(s)	Estonian			
Government	Unitary parliamentary republic			
PresidentPrime Minister	Alar Karis Kaja Kallas			
Legislature	unicameral Riigikogu			
Independence from Russia an	d Germany			
Declaration of independence	23–24 February 1918			
Joined the League of Nations	22 September 1921			
German and Soviet occupations	1940–1991			
Independence restoredJoined the European Union	20 August 1991 1 May 2004			
Area • Total • Water (%)	45,335 ^[12] km ² (17,504 sq mi) (129th ^d) 4.6			

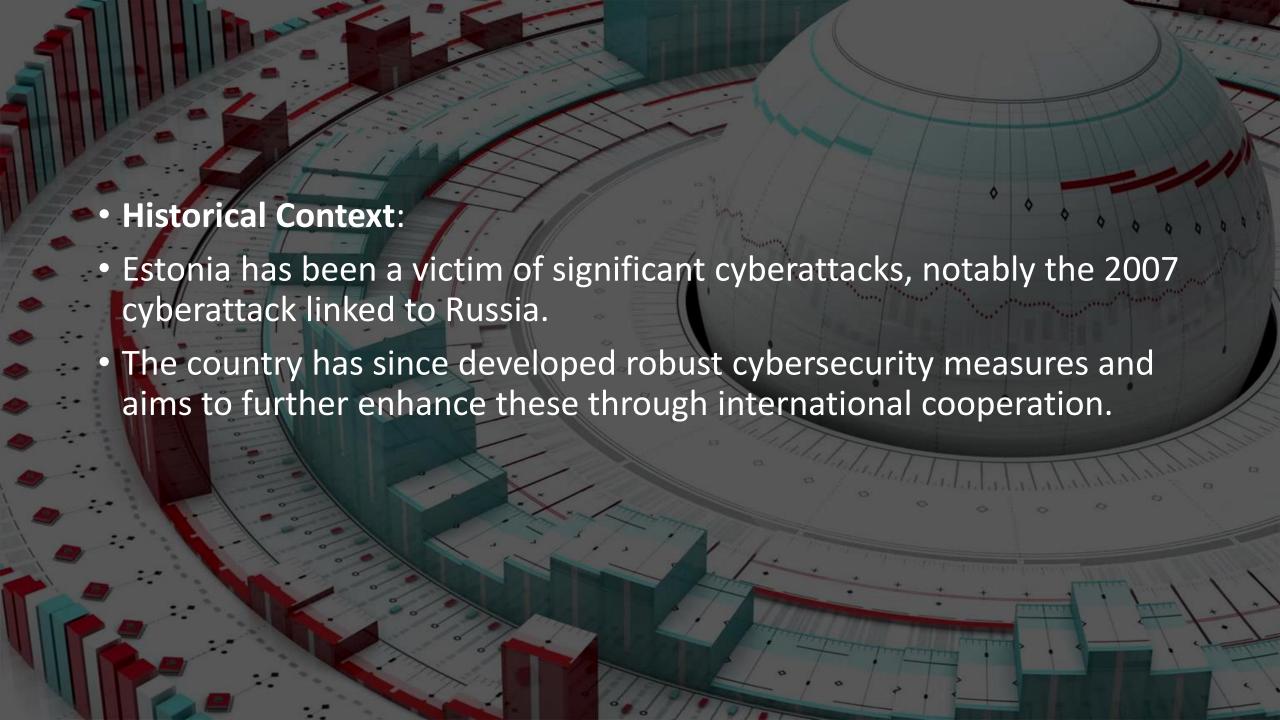
▲1,373,101 ^[13]
1,331,824 ^[14]
30.3/km ² (78.5/sq mi) (148th)
2024 estimate
▲ \$61.598 billion ^[15] (113th)
▲ \$45,122 ^[15] (41st)
2024 estimate
▲ \$43.486 billion ^[15]
(102nd)
▲ \$31,854 ^[15] (36th)
▲ 30.6 ^[16]
medium
▲ 0.899 ^[17]
very high (31st)
Euro (€) (EUR)





Strategic Collaboration:

- Estonia's Ministry of Foreign Affairs and Ministry of Defence officials emphasize the importance of such partnerships in addressing global cybersecurity threats.
- The collaboration is seen as beneficial for both countries, helping them manage and mitigate cyberattacks more effectively.







- Joint cyber exercises, sharing best practices, training programs, and leveraging each other's technological strengths are key areas of focus.
- Estonia and India are exploring ways to involve private sector entities in these collaborative efforts.

Year	2017	2018	2019	2020	2021	2022	2023
India's Exports to Estonia	32.87	31.87	45.61	30.33	41.00	93.64	42.00
India's Import from Estonia	57.75	86.44	54.19	64.77	97.80	123.85	79.80
Total Bilateral trade	90.62	118.31	99.80	95.10	138.80	217.49	121.80

Source: Statistics Estonia

5. In 2023, India's imports from Estonia amounted to €79.8M. Major items of **imports** from Estonia to India include woodpulp (30.9%), electrical equipment (26.6%), wood and articles of wood (13.4%), optics, measuring, precision instruments (8.29%), iron and steel (5.86%).

Bilateral Trade in Services

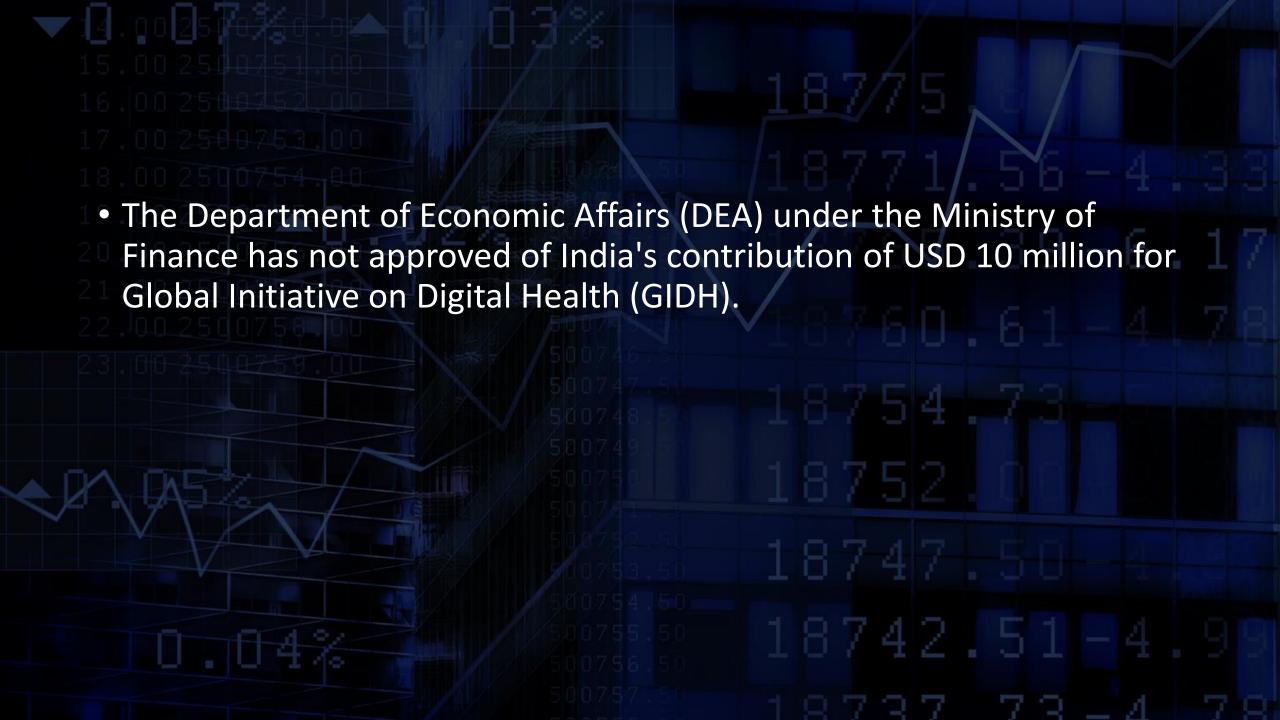
(In EUR million)

Year	2017	2018	2019	2020	2021	2022	2023
India Imports from Estonia	10.0	8.4	14.6	7.7	15.60	19.50	24.2
India exports to Estonia	7.7	8.9	9.4	8.1	11.80	19.90	15.8
Total	17.7	17.3	24.0	15.8	27.40	39.40	40

Source: Statistics Estonia

- Consider the following statements regarding Estonia's cybersecurity collaboration with India:
- 1. Estonia faces significant cyber threats primarily due to its proximity to Russia and its stance on the Russia-Ukraine war.
- 2.India is viewed as a strategic partner by Estonia for strengthening cybersecurity through joint exercises, research, and training.
- 3. Estonia is not a member of NATO, which limits its ability to collaborate on international cybersecurity initiatives.
- 4. The collaboration aims to involve private sector entities from both countries in enhancing cybersecurity infrastructure.
- Which of the statements given above are correct?
- A. 1 and 2 only
 - B. 1, 2, and 4 only
 - C. 2, 3, and 4 only
 - D. 1, 3, and 4 only







Its objectives include to assess and prioritise needs for sustainable digital health transformation and to match digital health resources and unfunded priorities.

GIDH was launched during India's G20 Presidency at the Health Ministers' meeting in Gujarat in August 2023.

It became part of the New Delhi declaration and India promised to make a USD 10-million contribution to it as a seed fund.

The initiative was formally launched in February 2024.

- Components of GIDH: It has four Main Components.
 - Country Needs Tracker: A mechanism to identify and track the digital health needs of different countries.
 - Country Resource Portal: A map of available digital health resources within each country.
 - Transformation Toolbox: A repository of quality-assured digital tools for health transformation.
 - Knowledge Exchange: Facilitation of knowledge sharing among participating nations.



Viability Gap Funding (VGF) Scheme

- The Union Cabinet has recently approved the Viability Gap Funding (VGF) scheme for offshore wind energy projects with a total outlay of Rs.7453 crore.
- The scheme includes the installation and commissioning of 1 GW (Gigawatt) of offshore wind energy projects with an outlay of Rs. 6853 crore, featuring 500 MW wind energy projects off the coasts of Gujarat and Tamil Nadu.

- Offshore wind is a source of renewable energy which offers several advantages such as higher adequacy & reliability, lower storage requirement.
- The VGF scheme, overseen by the Ministry of New and Renewable Energy, is a major step towards implementing the National Offshore Wind Energy Policy notified in 2015.

VGF is a government grant of up to 40% of the total project cost, provided to support infrastructure projects that are economically justified but not financially viable.

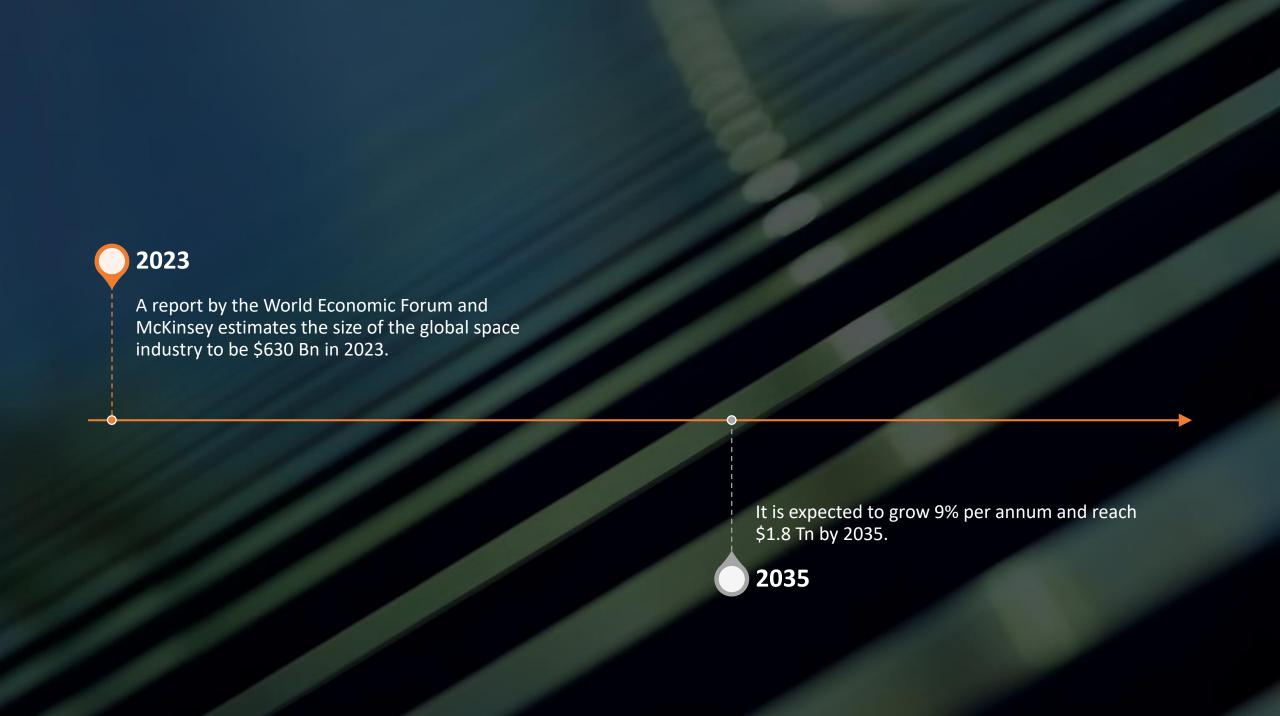
The VGF support from the Government will reduce the cost of power from offshore wind projects and make them viable for purchase by Distribution Companies (DISCOMs)

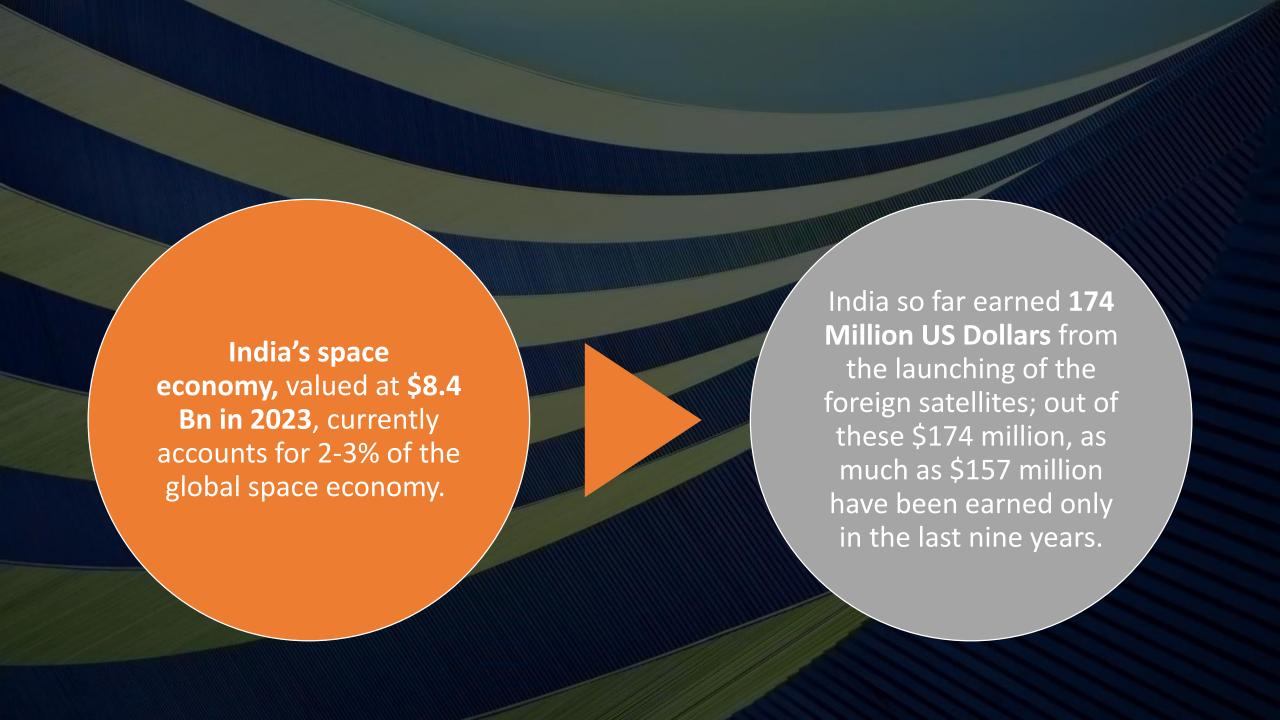
India's Space Economy

The Government said that the country's share in the **global space economy** is projected to increase fourfold by 2030 compared to 2021.

About India's Space economy

India has proven itself as a trailblazer in space exploration from the humble beginnings of **transporting** rocket parts on bullock carts to the proud achievement of launching a record number of satellites in a single mission.







124 Spacecraft Missions*





Satellites realised by private players or students

17









96 Launch Missions**





Re-entry Missions & POEMS





Launch missions facilitated by ISRO



Upcoming missions

- The Indian Space Research Organisation (Isro) will launch the Gaganyaan mission in 2025.
- ISRO is planning a mission to study **Venus**, focusing on its surface and atmosphere, which could provide valuable scientific data.
- NISAR is a joint Earth-observing mission between NASA and the Indian Space Research Organization (ISRO).
- a. NISAR will be the first radar of its kind in space to systematically map Earth

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