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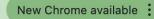


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PM to push for peace during talks with Putin





report from Mamata

STATES » PAGE 2

As Budget nears, health sector in focus Strengthening public health system is essential



THE DECIDER India and South Africa meet in final T201 SPORT » PAGE 16



in Jharkhand

Eleven Ministers were induct into the Cabinet of Jharkhan

#### Antique idols worth ₹22 crore seized in T.N.

The Idol Wing CID of the Tamil Nadu police has seized six idol of considerable antiquity wort around ₹22 crore from illegal

#### Campaigning for Assembly bypolls for 13 seats ends

Campaigning ended on Monday for the byelections to be held on Wednesday in 13 Assembly constituencies acros Bihar, West Bengal, Tamil Nadu, Madhya Pradesh Uttarakhand, Punjab, and Himachal Pradesh, to PAGE 4

#### Milei's reforms come into effect in Argentina

BUENOS AIRES
Argentine President Javier
Milei's flagahip economic
reforms kicked in on Monday,
ushering in privatisations,
relaxed labour protections and incentives to boost inve

# 5 Army soldiers killed in militant ambush in J&K

Six personnel injured as convoy comes under fire from two sides in Badnota near Kathua; Army paratroopers airdropped to tighten cordon; this is the fourth terror incident in 48 hours in J&K

lve Army soldiers were killed and five bush by militants in Kathua district of Jammu and Following the attack, the Army engaged the attackers in a guntight, actic and an army patrol, comprising light and heavy vehicles, came under fire from convoy reached senda Nai-

convoy reached Jenda Nal-lah in Badnota village, which is 124 km from Kathua town. The attackers also lobbed grenades on the convoy. The incident took place around 3.30 p.m. The vehicles were from the Army's 9 Corps (Rising Star

Corps).
The militants, whose number is not known, mounted the attack at a



place that has a hill on one side and a steep slope on the other. Initial reports suggested the attackers came down from the hill-side. One truck bore the

place that has a hill on one brunt of the militants' fire Reinforcements have been rushed to the site "to

further tighten the cordon. The critically injured sol-diers were shifted to a hos-pital in Kathua...m on the The attack carry of His-bul Mujahideen 'comman-der' Burhan Wani, who was killed in an encounter on July 8, 2016, in south Kashmir. The attack is also with the visit of Chief of Ar-my Staff General Upendra

my Staff General Upendra Dwivedi just four days ago. General Dwivedi was also briefed by the Rising Star Corps, which is in charge of Kathua.

charge of Kathua. It's the fourth militancy-related incident in the past 48 hours in J&K. Six militants and two soldiers were killed in south Kash-mir on July 6 and 7 in two separate encounters. One

#### SC says cancellation of the **NEET-UG** in entirety will be the 'extreme last resort'

The Supreme Court on Monday said the cancellation of the undergraduate the undergraduate. The court of the undergraduate the undergradu

the exam for medical admissions. However, Chief Justice of India DX. Chandrachud concluded that the fact leaked, and the sanctity of the exam was compromised was "beyond question". "One thing is very clear, the leak has taken place. The component of the exam is compromised to the component of the exam is compromised.

the exam is compro is beyond question. Now how wide is the leak? We have to determine the na-ture of the leak... Before dents. The cancellation of the NEET-UG exam is the extreme last resort. It would be done only if we have no other go... If we cannot separate the wheat from the chaff, retest would have to be directed, bserved in court.

The three-judge Bench, also comprising Justices I.B. Pardiwala and Manoi Miara, chastised the Union government and the National Testing Agency (NTA), which conducts the court in finding out the extent of the leak.

Chief Justicas vital to know the nature and extent of the leak to decide if the NEET-UG 2024, held on May S, ought to be can May S, ought to be can Misra, chastised the Union

The fact that the sanctity of the exam is compromised is beyond question... Before we order a retest, we have to know the extent of the leak D.Y. CHANDRACHUD

celled. The court is examining if there is any possi-bility of segregating the wrongdoers to spare stu-dents the trauma of a re-test.

'Systemic fraud'

But petitioners who are seeking a re-test, represented by advocates Math-ew Nedumpara and Charu Mathur, argued that the credibility of the exam was lost. They said it was not possible to bifurcate the frauds from the innocents.

tice. He countered the "un-precedented" phenomenon of 67 candi-dates scoring perfect 720, 720, saying the top 100 candidates were distribut-

ed among 95 sectors, in 56 cities spread out in 18 States and Union Territories.
The NTA argued that the NEET syllabus in 2024 was comparatively easier than the syllabus in 2024 was comparatively easier than the syllabus in the syllabus in 2024 was a total of only seven perfect soorers.
The Chief Justice said the law on whether re-test was needed or not was based on settled principles based on settled principles

of law.
"On the basis of the data
on record placed before it,
a court has to see if the breach is systemic; wheth-er it has affected the inte-grity of the entire exam process; whether it is pos sible to segregate the be neficiaries from the un tainted students. In case segregation is not possible, it would be necessary to or-der re-examination. On the other hand, if the breach is confined to specific centres, it may not be ap propriate to order a re-ex-amination, especially when it involves over 23 lakh students," the CJI ex plained.

'Full disclosure

'Full disclosure'
The Supreme Court demanded the NTA make a
"full disclosure". It said the
time had come for the
Centre and the NTA to use
whateaux technology comlogy, cor mon sense and knowledge of law to identify the wrongdoers. The court ordered the

NTA to file a reply before Thursday, the next date of hearing, on pointed ques cluding when and where the leaks were noticed first; the manner in which the questions were leaked and disseminated; the duration between the con ration between the con-duct of the leak and actual conduct of the exam on May S; the steps taken so-aries of the leak; the mo-dalities followed to identify these candidates.

The court said it would consider on Thursday If results, except that of can-results, except that of can-

results, except that of can-didates under scanner, could be published.

## With the flow



### Listen to the people of Manipur, Rahul | Russian missile attack on Ukrainian tells Prime Minister after visiting State

Congress leader Rahul Gandhi on Monday asked Prime Minister Narendra Modi to visit Manipur to understand the ground sit-uation. He underscored the

need for the Prime Minis-ter to listen to the people of Manipur, after he met the displaced Kuki-Zo and Mei-

displaced Kuki-Zo and Mei-tei people at relief camps across the State.

"It is important that the Prime Minister comes here, tries and under-stands what is going on. After all, Manipur is a proud State of the Indian Union,"

Mr. Gandni said ne was disappointed that the sit-uation in Manipur had not improved as he expected, after more than a year of

"I came to listen to the people, build confidence in them, and try to put pressure on the govern-ment so that it acts," he said.

und zero: Congress leader Rahul Gandhi during his visit to a "The need of the hour is

peace. Violence is hurting everybody. Thousands of

everybody. Thousands of families were harmed, pro-perties destroyed, and fa-mily members killed. I have never seen anywhere in India what is going on here. The State is com-pletely split in two," he said.

"I want to tell all the pe-

ople of Manipur that I came here as your brother, as somebody who wants to help you, work with you to dy to do whatever I can. Congress is ready to do whatever it can to bring back peace," he said.

Mr. Gandhi said he met

Governor Anusuiya Uikey to express his disappoint-ment with the lack of progress in the peace process.
"My intention is not to politicise this issue further. I understand Manipur is in pain and it needs to get out of the suffering as soon as possible," he said.

He was accompanied by ormer Chief Minister Okformer Chief Minister Ok-ram Ibobi Singh, State Con-gress president Keisham Meghachandra, and other party leaders.

## capital kills 31; children's hospital hit

A major Russian missile at-tack across Ukraine killed at least 31 people and in-jured more than 150 on Monday, officials said, with one missile striking a large children's hospital in the capital, Kviv, where emer gency crews searched rub-ble for casualties.

The Russian barrage tar-geted five Ukrainian cities with more than 40 missiles of different types, hitting apartment buildings and public infrastructure, Uk-rainian President Volody-

rainian President Volody-myr Zelenskyy said in a so-cial media post.

Strikes in Kryvyi Rih, in central Ukraine, killed 10 persons and injured 37, in what the head of city admi-nistration, Oleksandr Vil-kul, said was a massive missile attack.



ed wing of a children's hospital in Kylv on Monday. AFP

At the Okhmatdyt children's hospital in Kyiv, res-cuers were searching for

ny or whether they were children or adults. cuers were searching for people under the rubble of each five for the facility, fir. Zelenskys said, adding that the number of casualties was more assumed that the number of casualties was a considered for the said some people had died and the said some people had died to the facility. The facility of the facility of the facility, for the facility, for the facility of the facility, for the facility of the facility, for the facility of the fac

Building destroyed At the children's hospital, a two-story building was partly destroyed. On the hospital's main 10-storey building, windows and doors were blown out and walls were blackened. Blood spattered the floor

in one room. Medical personnel and searched for children and searched for children and medical workers who could be trapped under-neath. The attack forced the hospital to shut down and evacuate. Elsewhere in Kyiv, the

ven persons and injured 25, officials said.



#### Railway Board's pitch for European system put off Kavach rollout

The slow roll-out across the Indian Railways of Ka-vach, the indigenously developed Train Collision Avoidance System (TCAS). was due to the Railway Board's decision to opt for the expensive European Train Control System Train Control System (ETCS), sources said. The COVID-19 pandemic put a brake on this move subsented in the Railways said. They said the Kavach system, despite being extensively tested during trial runs under various conditions, including on auto-

matic signalling routes, and having obtained the highest Safety Integrity Le-vel (SIL)-4 in 2017-18 itself, was not allowed to be de-ployed quickly for reasons that were not explained. The original design team was sidelined after the de-cision to opt for ETCS, the

cision to opt for ETCS, the sources said. The Kawach Version 3.2 has so far been implement-ed in about 1,465 km of the South Central Railway, co-vering 133 stations, 29 level crossing gates, and 150 lo-cementary.

The latest Kavach Ver-sion 4 is currently under testing and deployment ov-er 3,000 km in the Delhi-Mumbai and Delhi-Kolkata

The system was con-ceived by the Indian Railways' own Lucknow-based ways' own Lucknow-based Research Design and Stan-dards Organisation, after the Anil Kakodkar Commit-tee of 2012 recommended an "advanced radio based signalling system similar to level ETCS 'level 2' for the

years".

The proposed new system was to provide safety and enhance existing line capacity, based on which it was decided ETCS-2 or equivalent was preferable. Kavach was originally Kavach was originally cleared for field concept trials back in 2012, and field trials for the development of the "full-fledged SIL 4 compliant multi-ven-dor interoperable version" dor interoperable version" started in 2013 between the Tandur-Kurgunta sec-tion in Karnataka for 32 km. This was later followed by extended trials up to 265 km in Sulehalli in the Wadi-Vikarabad-Sanatna-rus. Bida soction

## A.P. would be different place had YSR been alive: Rahul

The LoP in LS pays tribute to former CM on his 75th birth anniversary and calls him a leader of masses: he says Y.S. Sharmila will take forward her father's legacy: Sonia calls him a true patriot

aying tributes to Andhra Pradesh's former Chief Minis ter Y.S. Rajasekhara Reddy (YSR) on the occasion of his 75th birth anniversary on Monday Rahil Grandhi on Monday, Rahul Gandhi, Leader of the Opposition in Lok Sabha, called him a true leader of the masses who lived for the people, adding his death was a tragedy.

In a message on 'X', Mr. Rahul said he was abso-lutely certain that if Raialutely certain that if Raja-sekhara Reddy was alive, Andhra Pradesh would have been a completely dif-ferent place and "it would not be facing the tragedies and difficulties it is going through today".



Y.S. Rajasekhara Reddy in Hyderabad. SPECIAL ARRANGEMENT

He stated that he got to know YSR's daughter Y.S. Sharmila (A.P. Congress Committee chief) well and exuded confidence that she would take forward her father's legacy. Mr. Gandhi said he per-sonally learnt a lot from Mr. Rajasekhara Reddy and He stated that he got to

Kashmir was inspired by Mr. Reddy's Praja Prastha-nam Padayatra. Congress leader Sonia Gandhi said in a message that Rajasekhara Reddy was a towering leader for whom she had the highest

from Kanniyakumari to Kashmir was inspired by

\*Rejoin party\* Telangana Chief Ministe A. Revanth Reddy and De

A. Revanti Reddy and De-puty Chief Minister Bhatti Vikramarka urged the former Congress leaders, who have left the party for various reasons, to return to the party to strengthen the Indiramma Raivam.

Mr. Vikramarka first made this appeal while participating in the 75th birth anniversary celebra-tions of Rajashekhar Reddy tions of Rajashekhar Reddy at Gandhi Bhavan on Mon-

#### Delhi court issues notice to CBI on BRS leader's bail petition

#### The Hindu Bureau

A Delhi court on Monday issued a notice to the CBI seeking its response on the default ball plea filed by (BRS) leader K. Kavitha who was booked by the agency in connection with the excise policy scam. Advocate Nitesh Rana, who represents Ms. Ka-court that she is seeking a

court that she is seeking a default bail on grounds that the chargesheet filed by the CBI was incomplete and defective. The court has fixed July 12 as next date of hearing.

date of hearing.

Ms. Kavitha had moved
the Delhi court seeking ball
after the High Court last
week rejected two ball applications pertaining to
cases of corruption and
money laundering in the

Delhi excise policy scam.

The Central agencies probing the scam had maintained that Ms. Kavitha, if given bail, can in-

the complaint of the Lieu-tenant-Governor of Delhi alleging multiple irregular-ities in Delhi excise poli-cy-2021-22, which was later withdrawn by the State go-vernment ruled by the Aam Aadmi Party (AAP)

The agencies had al-leged that Ms. Kavitha had played a "big role" in ar-ranging the money for the

AAP.

It was alleged that she was the proxy partner of liquor company Indospirit who gained profits in the excise policy.

She was arrested in the matter in April this year.

#### CID files chargesheet in Neha murder case

The Karnataka CID, which is probing the Neha Hire-math murder case, filed a chargesheet in a local

Resources Development

Marayur here have started

their new academic year with lessons on the impor-

quently handed over to the CID. The chargesheet was filed at a Hubballi court.

Niranjan Hiremath, Ne-ha's father, expressed con-fidence that he would soon fidence that he would soon get justice in the case. "According to my information the chargesheet has been filed and I have applied for a copy of it. After getting the copy I will be able to know if more arrests have been made and other details of the case," he said. Press Trust of India

The Supreme Court on Monday agreed to hear pleas filed by the Central Bureau of Investigation (CBI) challenging the Alla-habad High Court's verdict acquitting Surendra Koli in acquitting Surendra Koli in the sensational 2006 Nith-ari serial killings case. A Bench of Justices B.R. Gavai and K.V. Viswanath-an sought a response from Koli on separate pleas filed

Nithari serial killings: SC to hear pleas

filed by CBI against Koli's acquittal

Koil on separate pleas filed by the CBl against the High Court's verdict dated Oc-tober 16, 2023. The top court in May had agreed to hear a plea filed by the father of one of fised by the tather of one of the victims challenging the order acquitting Koli in the case. In this case, Monin-der Singh Pandher was ac-quitted by the sessions court while Koli was awarded death penalty on September 28, 2010.

On Monday, the Subalism were there in the case. The High Court had acquitted domestic help preme Court said the pleas filed by the CBI would come up for hearing along with the petition of the vic-tim's father.

tim's father.

During the hearing, Solicitor-General Tushar Mehrat, appearing for the CBI, said Koli was a "serial killer" who lured young girls and murdered them.
Terming the incident as "gruesome". Mr. Mehta said accusations of canni-

Koli and his employer Pandher in the Nithari se rial killings case in which they were facing death senthey were facing death sen-tence, holding that the pro-secution failed to prove the guilt "beyond reasonable doubt" and that the investi-gation was "botched up". The High Court had al-

lowed multiple appeals filed by Koli and Pandher.

#### Engineering marvel



#### UDF slams LDF govt. over Jal Jeevan Mission slow progress

#### The Hindu Bureau

The Opposition United Democratic Front (UDF) on Monday slammed the LDF Monday slammed the LDF government for "derailing" the Jal Jeevan Mission (JJM) rural household tap con-nection scheme through mismanagement and poor planning. Opposition stormed out of the Kerala Assembly in protest after a motion for adjourning the House to discuss the Japses in the IJM implementation in the IIM implementation

was declined.

It accused the government of making little progress on the JJM (Kerala is third from the bottom nationally), failing to claim the Central share on time, and making no provision

rural roads that were dug

undestands that meres of undestands that mere dup up for laping pipes.

Amoop Jacob of the UDF said the Centrally-assisted provide functional tap connections to rural households, has come to a stand—rnegligence, inefficiency and poor financial management of the government claims to have given 19.5 lakh new connections under the JM, isting water supply proisting water supply pro-jects. Six lakh new connecjects. Six lakh new connec-tions given under the IJM have no water supply at all, Mr. Jacob alleged. Leader of the Opposi-

in March 2024. Of a total spending estimated at 544,715 crore, the Centre and the State had together which State share accountractors' dues had mountractors' dues had mountractors' dues had mountractors' dues had mountracted 11,949 crore as its share for 2024.25, the State has announced only \$550 MM, he said. JJM, he said. Minister for Water Resources Roshy Augustine denied that Kerala had let Central funds lapse through negligence. The

#### Trouble over 'permitting' liquor at a political event term of the JJM had ended in March 2024. Of a total

Officials of the Karmataka Excise and Home Depart-ments are in the dock for "allowing" liquor to be a public rally on Sunday to celebrate BJP leader K. Sudhakar being elected as Chickballapur MP in the re-cently concluded polls. A video of trucks carry-Officials of the Karnataka

ing liquor cartons and peo-ple in long queues to col-lect the bottles in the presence of the police has gone viral on social media. Senior police officials said permission was de-nied for serving liquor at

#### In a first in Kerala, college sets up a B.C. Patil's son-in-law dies after being found unconscious in a car

The son-in-law of BJP leader and former Karnataka Minister B.C. Patil was found in an unconscious-ness state in his car near Arakere in Honnali taluk of Davangere district on Mon-day, and subsequently

day, and subsequently passed away on the way to a bospital.

Pratap Kumar K.G., 41, a native of Kattalagere in Da-vangere district, was mar-ried to Mr. Patil's eldest daughter Soumya for 16

On Monday, local residents found him lying in a car

Hospital in Shivamogga but it didn't help. The police suspect it to be a case of suicide.

Speaking to pressper-sons, Mr. Patil said he had informed the Davangere and Shivamogga police when his son-in-law went tance of forest conserva-tion, in a first in Kerala, the students will establish a sandalwood garden on a sundalwood forests. However, the same same nowned for its natural san-dalwood forests. Marayur Divisional For-set Officer Order to the Company of the Stablish-discussions on starting the four-year degree course, we suggested the establish-ment of a sandalwood gar-

when his son-in-law went missing. He said Mr. Kumar was upset for sometimes was upset for sometimes centre, for two months. After returning from the centre, he managed the fa-said. He was working as a contractor at Hirekerur in Hover district. He was working as a contractor at Hirekerur in Hover district. A contractor of the con-taving suicidal tendencies can call Arogyu Sahayava-ni 104 for help.)



ndal tree saplings with the

den on the campus, and the Principal agreed. The sandal division provided a sapling each to the first-year students." According to officials, 44 students were selected for the four-year degree course in the first allot

planted 44 saplings.
Principal Sujy P. Thelakkad said, "Some of the students, including those
from Thiruvananthapuram
and Malappuram, have not
yet seen a sandalwood
tree. In the next four years,
the students will ensure
the conservation of each of

the sapling. Once the complete the course, the will entrust the next batch with the conservation of the trees."

"The biodiversity club
and the National Service

Scheme (NSS) in the col-lege will assist in the pro-ject," said Ms. Thelakkad. S. Indrajith, an official of the college, said the sa-plings were planted on 20 cents. "The officials of the

cents. "The officials of the Marayur Sandal Division will monitor the growth of the garden," he said.

Mr. Kumar said that the Mr. Kumar said that the trees in four years. "If any sapling does not grow, we will provide another one. The project aims at raising awareness of protecting and cultivating sandal-wood trees," he said.

#### **Downgrading** of Kerala Bank won't affect its functioning

Kerala's Cooperation Mi-nister V.N. Vasavan told the Assembly on Monday that the lowering of Kerala Bank's rating from 'B' to 'C' category by NABARD will not affect the bank's funcon affect the bank's func-tioning and its ability to disburse loams, except that disburse are strings, has disburse arrings, has disburse arrings, has disburse arrings, has disburse arrings, has such a situation would not bank happened if the go-vernment had "literaced"



to the UDF's argument

spection for 2023-24, he added.

# Railway Board's pitch for European system put off Kavach rollout

#### V. Geetanath

**HYDERABAD** 

The slow roll-out across the Indian Railways of Kavach, the indigenously developed Train Collision Avoidance System (TCAS), was due to the Railway Board's decision to opt for the expensive European Train Control System (ETCS), sources said. The COVID-19 pandemic put a brake on this move subsequently, senior officials in the Railways said.

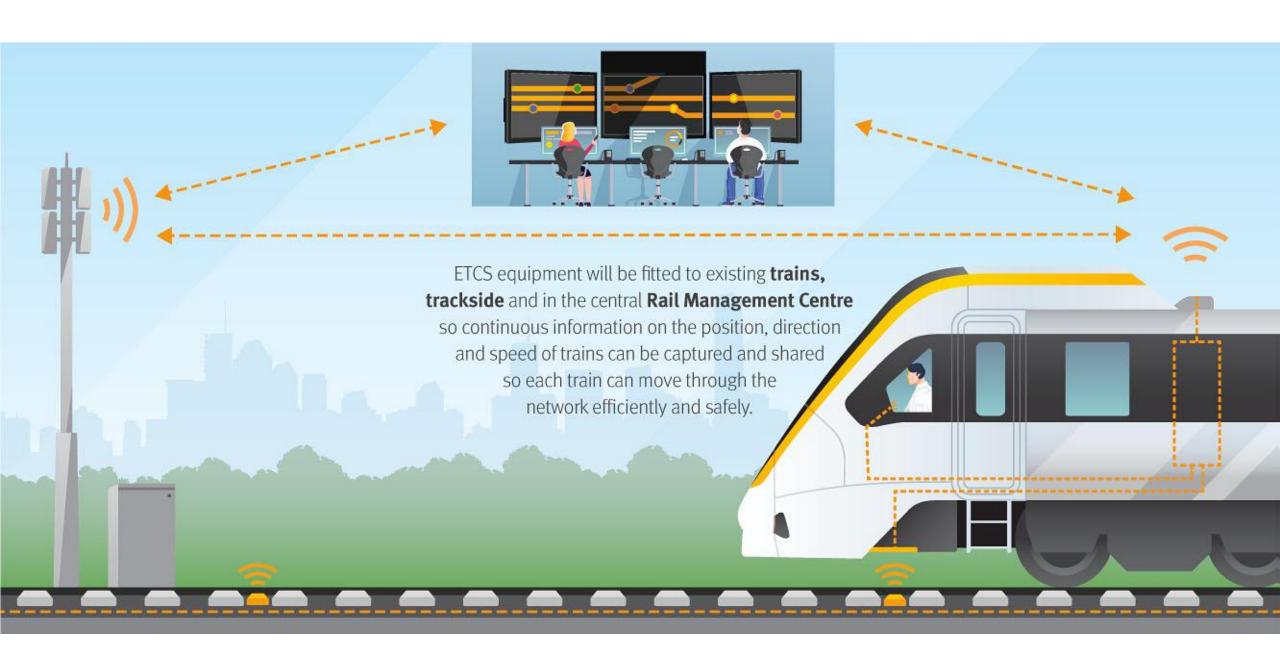
They said the Kavach system, despite being extensively tested during trial runs under various conditions, including on automatic signalling routes, and having obtained the highest Safety Integrity Level (SIL)-4 in 2017-18 itself, was not allowed to be deployed quickly for reasons that were not explained. The original design team was sidelined after the decision to opt for ETCS, the sources said.

The Kavach Version 3.2 has so far been implemented in about 1,465 km of the South Central Railway, covering 133 stations, 29 level crossing gates, and 150 locomotives.

The latest Kavach Version 4 is currently under testing and deployment over 3,000 km in the Delhi-Mumbai and Delhi-Kolkata sections.

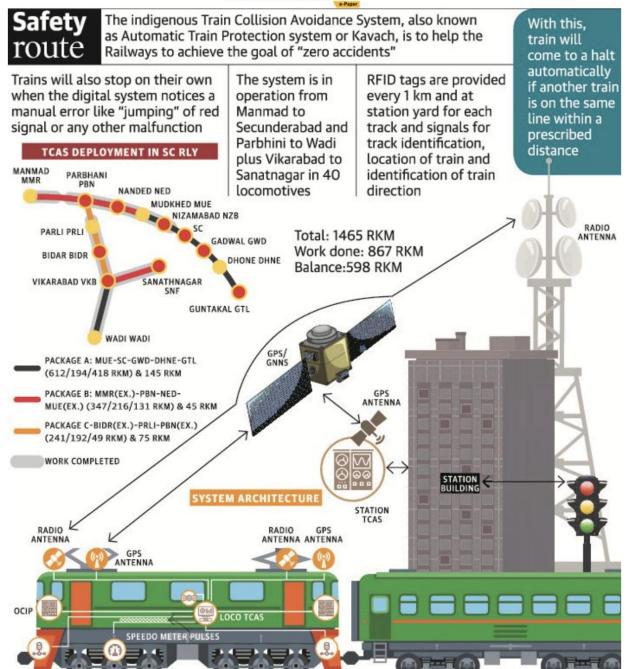
The system was conceived by the Indian Railways' own Lucknow-based Research Design and Standards Organisation, after the Anil Kakodkar Committee of 2012 recommended an "advanced radio based signalling system similar to level ETCS 'level 2' for the entire trunk route length of 19,000 km within five years".

The proposed new system was to provide safety and enhance existing line capacity, based on which it was decided ETCS-2 or equivalent was preferable. Kavach was originally cleared for field concept trials back in 2012, and field trials for the development of the "full-fledged SIL 4 compliant multi-vendor interoperable version" started in 2013 between the Tandur-Kurgunta section in Karnataka for 32 km. This was later followed by extended trials up to 265 km in Sulehalli in the Wadi-Vikarabad-Sanatnagar-Bidar section.





#### THE



- Railway Board's Pitch for European System
   Put Off Kavach Rollout
- Background:
- The Indian Railways developed an indigenously designed Train Collision Avoidance System (TCAS) called Kavach.
- भारतीय रेल ने स्वदेशी रूप से डिजाइन की गई ट्रेन टकराव बचाव प्रणाली (TCAS) को 'कवच' नाम दिया।

# Delay in Rollout:

- The rollout of Kavach was delayed due to the Railway Board's decision to opt for the more expensive European Train Control System (ETCS).
- रेलवे बोर्ड के महंगे यूरोपीय ट्रेन नियंत्रण प्रणाली (ETCS) को चुनने के निर्णय के कारण कवच की तैनाती में देरी हुई।
- Impact of COVID-19:
- The COVID-19 pandemic further delayed the adoption of ETCS.
- 🕨 COVID-19 महामारी ने ETCS को अपनाने में और देरी की।

# Testing and Implementation:

- Despite extensive testing and obtaining the highest Safety Integrity Level (SIL)-4 in 2017-18, Kavach was not deployed quickly.
- व्यापक परीक्षण और 2017-18 में उच्चतम सूरक्षा अखंडता स्तर (SIL)-4 प्राप्त करने के बावजूद, कवच को जल्दी तैनात नहीं किया गया।

## Current Status:

- Kavach Version 3.2 has been implemented over 1,465 km in the South Central Railway, covering 133 stations, 29 level crossing gates, and 150 locomotives.
- कवच संस्करण 3.2 को दक्षिण मध्य रेलवे में 1,465 किमी पर लागू किया गया है, जिसमें 133 स्टेशन, 29 स्तर क्रॉसिंग गेट और 150 लोकोमोटिव शामिल हैं।

## Future Plans:

- The latest Kavach Version 4 is under testing and deployment over 3,000 km in the Delhi-Mumbai and Delhi-Kolkata sections.
- नवीनतम कवच संस्करण 4 का परीक्षण और तैनाती दिल्ली-मुंबई और दिल्ली-कोलकाता खंडों में 3,000 किमी पर की जा रही है।

- Consider the following statements regarding the rollout of the Kavach system by Indian Railways:
- 1. The rollout of Kavach was delayed due to the Railway Board's decision to opt for the European Train Control System (ETCS).
- 2. The Kavach system achieved the highest Safety Integrity Level (SIL)-4 in 2017-18.
- 3. Kavach Version 3.2 has been implemented over 3,000 km in the South Central Railway.
- Which of the above statements is/are correct?
- a) 1 and 2 only
  - b) 2 and 3 only
  - c) 1 and 3 only
  - d) 1, 2, and 3

#### INBRIDE



#### Murmu urges citizens to take proactive measures for nature

President Droupadi Murmu on Monday called upon people to take proactive measures at their own levels to complement efforts initiated by protection and conservation of environment. The President shared her reflections as she walked along the beaches of Puri in Odisha. She is in the city to attend the annual Rarh Vatro at Cou-Jagannath. "Let us pledge to make efforts to the best of our capabilities as individuals, at the local level, for a secure future. We must do this for the post on X. The President also expressed concern over rising global warming.

#### Flogging survivor complains against CPI(M), BJP leaders

A survivor of the Chopra flogging incident in West Bengal has filed a police complaint against CP!(M) State secretary Mohammed Salim and BJP leader Amit Malviya for sharing videos of the incident on social media. The video went viral on June 30 and was shared by many, including Mr. Salim and Mr. Malviya. In the video, a local Trinamool Congress leader, Tajmul Haque, alias JCB, is seen beating up a couple, particularly the woman, with a stick as several people watched man, with a stick as several people watched torture without trying to stop it. Interestingly, woman has not filed any complaint against Trinamool leader. She has even refused to stify the person who was beating her.

## **Downpour from Sunday** snaps lifelines of Mumbai

Rail tracks and roads under water; 50 flights cancelled; holiday declared for schools; CM says highest priority being accorded to helping citizens in distress, all systems are on a 24-hour alert

he India Meteoro-logical Department has issued a red al-ert for Mumbai after the fi-nancial capital received between 267 mm and 300 mm of rainfall in a heavy downpour from Sunday night.

night.
The rain disrupted life, with severe waterlogging on important routes and low-lying areas leading to

low-lying areas leading to traffic jams across the city. Many railway tracks were vices disrupted. Some 50 flights had been cancelled till 11 am. on Monday. The company of the company of the low-lying areas led to wa-terlogging and disruption of the company of the company of the today Monday)." the Bri-hammumbai (MMC) said in Corporation (MMC) said in a statement. Andheri, Kur-la, Bhandup, Kings Circle, Vile Parle and Dadar are facing significant water ac-cumulation. Vehicles could be seen drifting in rainwa-ter, and pedestrians were wading through knee-deep



n trouble: A waterlogged road at Kings Circle in Mumbai or

Disaster Response Force team rescued two girls fol-lowing a landslip at the Vik-hroli Park site.

Highest priority was be-ing accorded to helping ci-tizens, and all systems were on a 24-hour alert, Maharashtra Chief Minister Eknath Shinde said.

Mr. Shinde held a meeting with multiple agencies, including the State Disaster Control Cell, the BMC, and

tion to resolve issues, he said.
"About 5,000 places in

Mumbai are being moni-tored from the BMC con-trol room. A flood gate is being installed at the Mithi river so that seawater will not enter the city during high tide. Accumulated wanign tide. Accumulated wa-ter is being pumped into the river. Pumping stations have been set up at seven places in Mumbai," Mr. Shinde said.

The Railways and the to drain the accumulated water in and around the ci ty. "For the first time in the country, an experiment like micro-tunnelling is be-ing used to help in drain-

age," Mr. Shinde said. All schools and colleges All schools and colleges in the city will remain shut on Tuesday. The civic auth-orities have appealed to the citizens not to panic during an emergency and contact the Disaster Man-agement Cell of the BMC on 1916.

#### Films should not misrepresent people with disabilities: SC

Krishnadas Rajagopal NEW DELHI

The Supreme Court on The Supreme Court on Monday held that creative freedom did not include the liberty to lampoon, ste-reotype, misrepresent or disparage persons with dis-abilities in films and visual

"If the overall message
of the work infringes the
rights of persons with disabilities, it is not protected
speech. However, in appropriate cases, if stereotypical/disparaging por-traval is justified by the trayal is justified by the overall message of the film, the filmmaker's right to re-tain such portrayal with a such portrayal with against the fundamental and statutory rights of those portrayed, the Bench, headed by Chief Justice of India D.Y. Chan-dentification of the pro-ment.

ment.

The verdict was based on a petition filed by activist Nipun Malhotra alleging an insensitive portrayal of persons with disabilities in the film Aankh Micholi by Pictures.

Often, humour was a powerful tool used in films and visual media to chal-lenge notions of "other-ness" or "inferiority" asso-

disability, the Chief Justice, who authored the judgment said

ment, said.

Comics with disabilities use self-deprecating humour to critique the social common to critique the social common to critique the social common to the self-deprecation of the self-dependent of the sel with certain disabilities were portrayed as "super-cripples".

The judgment de-nounced the use of words

such as "cripple" and "spastic", which stigmatise those with disabilities.

The court frowner The court interests that a "afflict-ed", "the suffering", and "victim". "They contribute to a negative self-image," the Chief Justice said.
The court advised authorities to involve persons.

decisions to protect their

Cinematograph Rules. It reminded the govern ment that the Conon the Rights of Persons with Disabilities required authorities to take in the "lived experiences" of the

## Centre set to tweak criteria for according classical language status

Sreeparna Chakrabarty NEW DELHI

Amid demand for classical status for many languages the Union government ha decided to tweak the crite

The Linguistics Expert Committee of the Culture Ministry submitted a re-port on October 10 last year, suggesting changes, sources in the Ministry told The Hindu. The sources said the

Centre had asked the panel to reconsider the rules. The issue was taken up first at a meeting on Jun 21, 2023. A Gazette notifion of the new criteria will be issued after Cabinet

will be issued after Cabinet approval.

This, in effect, means that classical language sta-tus for certain languages, chiefly Marathi, which is

Note with Bird and Bird (4)

With polls due in Maharashtra, push for the status for Marathi has gained

wait for the notification Over the years, some States and literary circles have been demanding clas-sical status for languages such as Marathi, Bengali, Assamese and Maithili. In 2014, then Maharash-

tra Chief Minister Prithviraj Chavan constituted a com-mittee of Marathi language experts chaired by Ranganath Pathare, and the re port was submitted to the Centre. The Pathare comlitted to the Marathi fulfils all parame

Marathi hilhis all parame-ters to be recognised as a classical language.

Mr. Chavan had written to then Culture Minister Shripad Naik requesting that the demand be met. The issue has been

raised time and again by MPs from Maharashtra in Parliament, and the Centre has given assurances at least three times in the past least three times in the past 10 years that Marathi was being considered. Then Union Culture Minister G. Kishan Reddy informed Parliament in February 2022 that "the proposal for according classical status to Marathi was under the active consideration of the

Once a language is noti-fied as a classical language, the Education Ministry helps promote it, which includes instituting two ma-ior annual international awards for scholars of emiawards for scholars of emi-nence in the language. Apart from this, a centre of excellence for studies in the language is set up, and the University Grants Com-mission is requested to create a certain number of Professional Chairs in Cen-tral universities.

due in Maharashtra in Oc tober, the demand in sup-port of Marathi has gained momentum. Recently. momentum. Recently, Congress general secretary Jairam Ramesh posted on X: "For the last ten years, the demand for declaring, the demand for declaring guage has been pending with the Modi Sarkar". The Shiv Sena-Bip go-vernment in Maharashtra too upped the game by

With Assembly election

forming a "persuasion" committee, led by former diplomat Dnyaneshwar Muley, four months ago. The mandate of this committee is to liaison and pursue the matter with Union

wernment officials. Lakhshmikant Desh-Lakhshmikant Deshmukh, a committee mem-ber, told The Hindu: "Mah-arashtra is a rich State. We do not need any funds for the promotion of the lan-guage. It is just a matter of pride for us."

### Hurdles in importing diamonds pose a quantum block to research ambition

The Customs Department's decision on who can and cannot import diamonds is taking some of the lustre off the National Quantum Mission (NQM), a 65,000-crore initiative, which may help India take the lead in the emerging field in the control of the

Quantum technology is a broad term applicable to a broad term applicable to multiple avenues of re-search. It hinges on being able to exploit the "quan-tum-mechanical" proper-ties of matter inside the atom and develop entirely new kinds of computers, new kinds of computers, sensors and encryption systems that, proponents say, will make our existing devices primitive in comparison. However, this also means that much know-ledge on harnessing quan-tum technology is stil be-

8

5

6

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Unlike gemoloigists, quantum researchers focus on the 'defects' of the diamonds.

unearthed requires trained scientists conducting intricate experiments on many things. including diamonds

While gemologists may be concerned with the cut, be concerned with the cuf, clarity, colour and carats of diamonds, quantum re-searchers are interested in their "defects". It is the un-ique arrangement of car-bon atoms in a diamond which gives it the proper-ties of hardness, electrical conductivity and manipu-

1 3

3 8

9

9

8

5

4

some diamonds some-times have two missing carbon atoms. They are substituted by a nitrogen-atom as well as a "hole" or what is called a "nitrogen-

what is called a "nitrogen-vacancy" centre.

These "centres" are sen-sitive to the slightest varia-tions in magnetic fields and thereby open vistas of investigation. An electron at such a centre can be indivi-dually tweaked and made to behave like a qubit. Qu-bits – analogous to the bits and bytes of classical computers - are the logic states of quantum computers and in theory allow calculations, beyond the capacity of existing supercomputers, to be done in a trice.

ters, to be done in a trice.
Researchers can also
use lasers at room temperatures to manipulate these
centres. However, unlike
the diamonds in jewellery
shops, scientists prefer
their diamonds grown in a

'defects' of their choice. In the Union Budget 2023, Finance Minister Nir-mala Sitharaman an-nounced a scheme to pronot yet equipped to make diamonds with quantumresearch-ready "defects" And this is a problem for scientists.
The Science and Tech-

nology Ministry has an-nounced plans to make quantum computers of 50 to 1 000 aubits by the de to 1,000 quoits by the de-cade-end. But, quantum computers globally are far from being useful devices because maintaining elec-trons – like in the 'defect diamonds' – in their qubit like states is a daunting challence.

## TH CROSSWORD + 14222

get across to our crossword site.
@ https://qrgo.page.link/jjpTu



13 Shame girl in damaged side-car (8)

6 taking possession of model weapon (7) Stuck poster at this place at start of day (7) 22 Charlie's bird is cowardly (6)
24 Rude claim to be famous poet having large sex appeal (8)

Perhaps, Central American hound ran excitedly (8) Copper gets scarce poison (6) Perhaps, Tom returned with love for a tortilla with filling (4)

Support for painter from Chelsea selector (5 32 Orient seat wrongly (4)

Left right in vessel (4) Tall gin served around the beginning of the hour from dusk till dawn, perhaps (3-5)
Yes, this in Spain is a brief nap (6)

res, this in Spain is a orier hap (s)
Claims limb is put into drinks (r)
Burst inwards throwing mild dope (8)
Japanese rater shot endlessly with firearm (6)
Anienal found in whells shells (4)
Choir performed "Blood of the Gods" (5)
Throw out head of crew in English type of aircraft (5)
Shattered even urns? Distarts mental peacel (8)

Blows up generals on tour (8) Fifty-one on ship surrounding one female animal (7) Animated media by operating system (6) Animated media by operating system (6) Select the French condiment (6) Perhaps Sharif, First Officer stands on top of central part of

3 9

#### Wise and virtuous men

The word saandron used in Tamil literature is taken to mean a virtuous man. But initially, in Sangam literature, saandron meant a good warrior, said Malayaman in a dis-

Purananooru verse 63 says that all the warriors who went to the battlefield in chariots are dead with their shields covering their eyes. Here the word used for war-

riors is saandror.

Paditrupathu also uses the word saandror in the same sense. But the word saandror later came to mean morally upright people, and this change in meaning came morally upright people, and this change in meaning came sandror is used in the sense of wise men.

An oft quoted werse in the Thirukdural says that a moth-

An oft quoted verse in the Thirukkural says that a mother is happier when her son is praised as a saandron, than when she gives birth to him. Children who are highly princher lives a supplier of the property of the propert

er.
Pisirandhaiyaar did not have a single grey hair, even when he became old. He said that one reason for this was that he lived in a village which was filled with saandror intelligent men of good conduct.

# Centre set to tweak criteria for according classical language status

#### **Sreeparna Chakrabarty**

**NEW DELHI** 

Amid demand for classical status for many languages, the Union government has decided to tweak the criteria for giving the special tag.

The Linguistics Expert Committee of the Culture Ministry submitted a report on October 10 last year, suggesting changes, sources in the Ministry told *The Hindu*.

The sources said the Centre had asked the panel to reconsider the rules. The issue was taken up first at a meeting on June 21, 2023. A Gazette notification of the new criteria will be issued after Cabinet approval.

This, in effect, means that classical language status for certain languages, chiefly Marathi, which is under consideration of the government, may have to

## With polls due in Maharashtra, push for the status for Marathi has gained momentum

wait for the notification.

Over the years, some States and literary circles have been demanding classical status for languages such as Marathi, Bengali, Assamese and Maithili.

In 2014, then Maharashtra Chief Minister Prithviraj Chavan constituted a committee of Marathi language experts chaired by Ranganath Pathare, and the report was submitted to the Centre. The Pathare committee had concluded that Marathi fulfils all parameters to be recognised as a classical language.

Mr. Chavan had written to then Culture Minister Shripad Naik requesting that the demand be met.

The issue has been

raised time and again by MPs from Maharashtra in Parliament, and the Centre has given assurances at least three times in the past 10 years that Marathi was being considered. Then Union Culture Minister G. Kishan Reddy informed Parliament in February 2022 that "the proposal for according classical status to Marathi was under the active consideration of the Ministry of Culture".

Once a language is notified as a classical language, the Education Ministry helps promote it, which includes instituting two major annual international awards for scholars of eminence in the language. Apart from this, a centre of excellence for studies in the language is set up, and the University Grants Commission is requested to create a certain number of Professional Chairs in Central universities.

With Assembly election due in Maharashtra in October, the demand in support of Marathi has gained momentum. Recently, Congress general secretary Jairam Ramesh posted on X: "For the last ten years, the demand for declaring Marathi as a classical language has been pending with the Modi Sarkar".

The Shiv Sena-BJP government in Maharashtra too upped the game by forming a "persuasion" committee, led by former diplomat Dnyaneshwar Muley, four months ago. The mandate of this committee is to liaison and pursue the matter with Union government officials.

Lakhshmikant Deshmukh, a committee member, told *The Hindu*: "Maharashtra is a rich State. We do not need any funds for the promotion of the language. It is just a matter of pride for us."

# **Classical Languages of India**

Classical Language	Year of Incorporation
Tamil	2004
Sanskrit	2005
Telugu	2008
Kannada	2008
Malayalam	2013
Odia (Oriya)	2014



Which schedule of the Indian Constitution outlines the official languages of India?

## **Classical Languages of India** All the Classical Languages are listed in the Eighth Schedule of the Constitution. Ministry of Culture provides the guidelines regarding Classical languages. LADAKH JAMMU & KASHMIR HIMACHAL Sanskrit (2005) Official PRADESH language of uttarakhand) UTTARAKHAND HARYANA **DELHI UTTAR PRADESH** ASSAM NAGALAND **RAJASTHAN** BIHAR JHARKHAND TRIPURA GUJARAT MIZORAM MADHYA PRADESH Odia (2014). DADRA & NAGAR **MAHARASHTRA HAVELIAND DAMAN & DIU TELANGANA** Telugu (2008) ANDHRA **PRADESH** KARNATAKA Kannada (2008)← (Puduchery) →Tamil (declared in 2004) TAMIL NADU Malayalam (2013),

# Guidelines for declaring a language as 'Classical' are:

- High antiquity of its early texts/recorded history over a period of 1500-2000 years;
- A body of ancient literature/texts, which is considered a valuable heritage by generations of speakers;
- The literary tradition be original and not borrowed from another speech community;
- The classical language and literature being distinct from modern, there may also be a discontinuity between the classical language and its later forms or its offshoots.

- Once a language is notified as a Classical language, the Human Resource and Development Ministry provides certain benefits to promote it:
  - Two major annual international awards for scholars of eminence in classical Indian languages
  - A Centre of Excellence for studies in Classical Languages is set up
  - The University Grants Commission is requested to create, to start with at least in the Central Universities, a certain number of Professional Chairs for the Classical Languages so declared.

**Centre Set to Tweak Criteria for According Classical Language Status** 

## **Background:**

The Union government is considering revising the criteria for granting classical language status to various languages.

केंद्र सरकार विभिन्न भाषाओं को शास्त्रीय भाषा का दर्जा देने के मानदंडों में संशोधन करने पर विचार कर रही है।

# Report by Linguistics Expert Committee:

- The Linguistics Expert Committee of the Culture Ministry submitted a report suggesting changes in the criteria for classical language status on October 10 last year.
- संस्कृति मंत्रालय की भाषाविज्ञान विशेषज्ञ समिति ने पिछले साल 10 अक्टूबर को शास्त्रीय भाषा के दर्जे के मानदंडों में बदलाव का सुझाव देते हुए एक रिपोर्ट प्रस्तुत की थी।

## Demand for Classical Status:

- Over the years, states and literary circles have demanded classical status for languages such as Marathi, Bengali, Assamese, and Maithili.
- वर्षों से, राज्यों और साहित्यिक मंडलों ने मराठी, बंगाली, असमिया और मैथिली जैसी भाषाओं के लिए शास्त्रीय दर्जे की मांग की है।

## Marathi Language:

- The demand for Marathi to be granted classical language status has been a long-standing issue. Various committees and reports have supported this demand.
- मराठी को शास्त्रीय भाषा का दर्जा देने की मांग एक लंबे समय से चल रही समस्या है। विभिन्न समितियों और रिपोर्टों ने इस मांग का समर्थन किया है।

## Government's Assurance:

- The Union Culture Minister informed Parliament that the proposal for according classical status to Marathi is under active consideration.
- केंद्रीय संस्कृति मंत्री ने संसद को सूचित किया कि मराठी को शास्त्रीय दर्जा देने का प्रस्ताव सिक्रय विचाराधीन है।

## Political Influence:

- With assembly elections due in Maharashtra, the demand for Marathi's classical status has gained momentum.
- महाराष्ट्र में विधानसभा चुनाव के कारण, मराठी के शास्त्रीय दर्जे की मांग ने गति पकड़ ली है।

## Benefits of Classical Status:

- Once a language is recognized as a classical language, the Education Ministry helps promote it through various initiatives, including international awards and the creation of centres of excellence.
- एक बार भाषा को शास्त्रीय भाषा के रूप में मान्यता मिलने के बाद, शिक्षा मंत्रालय विभिन्न पहलों के माध्यम से इसे बढ़ावा देने में मदद करता है, जिसमें अंतर्राष्ट्रीय पुरस्कार और उत्कृष्टता केंद्रों की स्थापना शामिल है।

- Consider the following statements regarding the classical language status in India:
- 1. The Union government is revising the criteria for granting classical language status to various languages.
- 2. The demand for Marathi to be granted classical language status has been a recent development.
- 3. Once a language is recognized as a classical language, the Education Ministry helps promote it through various initiatives.
- Which of the above statements is/are correct?
- a) 1 and 2 only
  - b) 2 and 3 only
  - c) 1 and 3 only
  - d) 1, 2, and 3

# Text&Context

THE MOS HINDU

#### **NEWS IN NUMBERS**

Worth of energy saved by the eastern Railway in Q1 of 2024-25

in ₹ crore. The Eastern Railways (ER) saved electrical energy in the first quarter of 2024-25 using comprehensive measures to save traction and non-traction energy, according to

The number of people The rise in affected by the floods in Assam

23 lakh. With over 20 lakh people affected in 28 districts in arrected in 28 districts in Assam, 53,689 people have taken shelter, as the water level of rivers continue to flow above the danger mark, according to an official bulletin.

employment in 27 sectors in 2022-23

in per cent. The number of persons employed in 27 sectors, including agriculture, trade and financial services, increased to 59.66 crore in 2022-23.

Increase in area sown to paddy in the 2024-25 kharif season

19.35 in per cent. Area sown to paddy to be come to 59.99 lakh hectare so far in the ongoing 2024-25 kharif (summer) season, according to the hostoular on Minister and the come to be come

Lesser share of Americans value college education: poll

in per cent. Americans are increasingly sceptical about the value and cost of college, according to a new poll by Gallup and the Lumina Foundation. se

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## What are new provisions for police officers?

With the new criminal laws coming into effect, how have basic duties of police officers changed? What are some of the changed provisions with respect to arrests of elderly and infirm people? What about preserving electronic evidence? How can electronic evidence be stored?

EXPLAINER

R.K. Vij

The story so far:

he new criminal laws have
become effective from July 1.

SOPs have been issued by the
Bureau of Police Research and
Development (BPRD) to guide police Development (BPRD) to guide por officers in implementing the new

What are rules for registering FIRs? The officer in-charge of a police station cannot refuse to register an FIR on the basis of lack of jurisdiction or disputed jurisdiction. He is legally bound to register (popularly known as a zero FIR) and transfer such a case to the respective police station. Though this practice was followed earlier too, the Bharativa Nagarik Suraksha Sanhita (BNSS) now has a direct provision under Section 173: non-registration of FIRs may attract nenal

action under various sections. Additionally, while information can be given orally or in writing as before, it ma also be given by electronic means which is to be taken on record by the officer is to be Taken on record by the officer in-charge fit is signed within three days by the person giving it. While no one can stop a police officer from enquiring into stop a police officer from enquiring into which intermediate in the property of the prop

What about videography?
The BNSS mandates videography during a search conducted by the police under Section 185; of the scene of crime (Section 176); and of the process of conducting a search of a place or taking possession of any property (Section 105). Since these are mandatory provisions, any negligence ory provisions, any negligence on the part of the police may benefit the accused persons. Therefore, investigating



officers (IOs) must be provided electronic devices and proper training to discharge such functions.

devices and proper training to discharge
A Cloud-based mobile app, estaslabya'
has been designed by the National
informatics Centre for enforcement
informatics of the photographs of
witnesses and selfies of for may be in
proceedings of the enforcement
informatics of the photographs of
proceedings of the proceedings of
proceedings of
proceedings of the proceedings of
procee will be available to other agencies such as the judiciary, prosecution and cyber

What about provisions of arrest? Information about arrested persons is to be mandatorily displayed in police stations, Section 37 of the BNSS requires a police officer in every police station, not below the rank of Assistant Sub-Inspector, prominently displaying information about the arrested persons. Therefore, boards (including in digital mode) containing of the containing of

persons. Section 35(7) states that the permission of an officer not below the rank of DySP is mandatory for arresting a person charged with an offence punishable for imprisonment of less than three years if such person is infirm or is above 60 years of age. Similarly, though the law now provides for the use of handcuffs in certain cases, the IOs must use them cautiously. The Supreme Court has laid down that handcuffing may be

done only when there is a possibility of

What about timelines?

What about timelines? In case of medical examination of a victim in case of medical examination of a victim practitioner is mandated under Section 184 (6) of the BNSS to forward the medical report to the IO within seven days, who concerned. Therefore, doctors must be sensitised about the new law. The investigation of POCSO case in required investigation of POCSO case in required to be completed within two months of recording the information of the offence. Earlier, this time limit was only for rape cases under the Indian Penal Code.

A new provision under Section 193(3)(h) requires the IO to maintain the sequence of custody of an electronic device. Though maintaining a chain of custody is important for every seizure, emphasis is laid on electronic devices because they are sensitive pieces of evidence and more vulnerable to tampering. While every police officer is required to upgrade his skills about intaining integrity of electronic ords, the task of the (cyber) expert is

records, the task of the (cyber) expert is likely to increase with many of the mandatory provisions coming into effect, on the cyber of the cyber of the cyber inform the progress of the investigation within 90 days to the informant or victim. Section 18 introduced in the tharathya 'terrorist act' and imposes the duty on an efficien, not below the rank of to decide whether to register a case under this Section or the UAPA. Since, no guidelines are given to exercise this discretion, the whether the terrorist organisation is as whether the terrorist organisation is whether the terrorist organisation is notified under the UAPA, approximate time needed to complete investigation, the rank of the IO and the level of scrutiny required, and how dangerous the accused person is.

R.K. Vij is a former Indian Police Service officer. Views are personal.

The officer in-charge of a police station cannot refuse to register an FIR on the basis of lack of jurisdiction or disputed

Section 37 of the BNSS requires a police officer in every police station, not below the rank of Assistant Sub-Inspector, to be responsible for maintaining and prominently displaying information about the arr

193(3)(h) requires the IO to maintain the sequence of custody of an electronic device Though maintaining a chain of Though maintaining a chain of custody is important for every seizure, emphasis is laid on electronic devices because they are sensitive pieces of evidence and more vulnerable to tampering.

## What are the laws preventing tree felling in Delhi?

What is the extent of the national capital's green cover? What does Delhi Preservation of Trees Act mandate?

n June 26, a Vacation Bench of the Supreme Court (SC) directed the Delhi government and Delhi Development Authority (DDA) to take effective steps to enhance the national capital's green cover

What is the extent of the green cover? Report 2021' (ISFR) published by the Forest Survey of India (FSI), Delhi has the largest forest cover among seven major megacities, with 195 sq. km, followed by Mumbai (110.77 sq. km) and Bengaluru (89.02 sq. km). Delhi's forest cover (89.02 sq. km). Delm's forest cover constitutes 13.15% of its geographical area, while its tree cover spans 147 sq. km (9.91%). Despite extensive urban development, the city's overall green development, the city's overall green cover (forest and tree cover) has increased from 151 sq. km (10.2%) in 2001 to 342 sq. km (23.6%) in 2021.

What about their protection?
The Delhi Preservation of Trees Act
(DPTA), 1994 provides legal protection to
trees in the national capital against
actions that could harm their growth or
regeneration. According to Section 2 (h) of
the Act, "to fell a tree" includes severing the trunk from the roots, uprooting, bulldozing, cutting, girdling, lopping, pollarding, applying arboricides, burning or any other damaging method. Under Section 8, no tree or forest produce can be removed on any land without prior permission from the "Tree Officer", even on privately owned property. The "Tree Officer" may grant permission after Officer' may grant permission after inspection and must respond within 60 days. Any person violating this Act may fine up to 1,000, or both. Furthermore, the Act outlines a 'Tree Authority' tasked with conducting tree censuses, managing nurseries, and reviewing government and private construction proposals, among other responsibilities. In addition, Delhr's 'Tree Transplantation Policy', 2020 mandates that 80% of identified trees slated for felling must be transplanted. However, an affidavit submitted by the government to the Delhi High Court in 2022 disclosed that out of the 16,461 transplanted trees since the policy's portification, early 23,29%, bad survived. notification, only 33.33% had survived.

What is the case against the DDA? petition against DDA's Vice Chairman Subhashish Panda for the felling of about 1.100 trees, in violation of the SC's orders for road expansion in the ridge area, which falls under the eco-sensitive zo around Asola-Bhati Wildlife Sanctuary, Or March 4, the DDA submitted an application to the SC seeking permission to cut trees for the construction of the to cut trees for the construction of the Gaushala Road. However, the court directed the DDA to re-examine the proposal with the help of field experts. During the proceedings, an affidavit from the DDA's Vice Chairman revealed that tree felling had already begun February 16 and continued for ten days.

So, by February 26, all intended trees were cut down even before the application reached the SC. This material fact was not disclosed when the court fact was not disclosed when the court heard the application on March 4. Despite knowing no trees could be touched without the court's sanction, the DDA misled the court and acted in bad faith by misled the court and acted in bad faith by seeking permission only after the tree felling work. While probing deeper to set accountability, the Bench pulled up DDA for not providing records of the Delhi LG's (Chairman of the DDA) February 3 visit to the site, which allegedly led to the tree felling order. The Delhi government was also reprimanded for usurping the Tree Officer's authority in granting permission The apex court has halted the DDA's work and directed a team from the FSI to

assess the number of trees cut and the environmental damage. What next for Delhi?

Amid an extreme heatwave, rampant tree felling in the world's second most populous city will only worsen hardships Urban forests act as carbon sinks, absorbing emissions and filtering pollutants, essential for cities like Delhi indices. Trees reduce the urban heat indices. Trees reduce the urban heat island effect by lowering temperatures through shading and evapotranspiratio Among other reforms, the government should consider increasing the penalty from ₹1,000 to ₹5,000 under the DPTA, 1994, aligning it with current realities. Kartikey Singh reads law at RGNUL.

#### THE GIST

The Delhi Preservation of Trees Act (DPTA), 1994 provides legal protection to trees in the national capital against actions that could harm their growth

Delhi's forest cover constitutes 13.15% of its geographical area, while its tree cover spans

+

# What are the laws preventing tree felling in Delhi?

What is the extent of the national capital's green cover? What does Delhi Preservation of Trees Act mandate?

#### **Kartikey Singh**

## The story so far:

n June 26, a Vacation Bench of the Supreme Court (SC) directed the Delhi government and Delhi Development Authority (DDA) to take effective steps to enhance the national capital's green cover amidst the extreme heat wave.

### What is the extent of the green cover?

According to the 'India State of Forest Report 2021' (ISFR) published by the Forest Survey of India (FSI), Delhi has the largest forest cover among seven major megacities, with 195 sq. km, followed by Mumbai (110.77 sq. km) and Bengaluru (89.02 sq. km). Delhi's forest cover constitutes 13.15% of its geographical area, while its tree cover spans 147 sq. km (9.91%). Despite extensive urban development, the city's overall green cover (forest and tree cover) has increased from 151 sq. km (10.2%) in 2001 to 342 sq. km (23.6%) in 2021.

## What about their protection?

The Delhi Preservation of Trees Act (DPTA), 1994 provides legal protection to trees in the national capital against actions that could harm their growth or regeneration. According to Section 2 (h) of the Act, "to fell a tree" includes severing the trunk from the roots, uprooting, bulldozing, cutting, girdling, lopping, pollarding, applying arboricides, burning, or any other damaging method. Under Section 8, no tree or forest produce can be removed on any land without prior permission from the 'Tree Officer', even on privately owned property. The 'Tree Officer' may grant permission after inspection and must respond within 60 days. Any person violating this Act may face imprisonment for up to one year, a fine up to ₹1,000, or both. Furthermore, the Act outlines a 'Tree Authority' tasked with conducting tree censuses, managing nurseries, and reviewing government and private construction proposals, among other responsibilities. In addition, Delhi's Tree Transplantation Policy, 2020

mandates that 80% of identified trees slated for felling must be transplanted. However, an affidavit submitted by the government to the Delhi High Court in 2022 disclosed that out of the 16,461 transplanted trees since the policy's notification, only 33.33% had survived.

### What is the case against the DDA?

The apex court is hearing a contempt petition against DDA's Vice Chairman Subhashish Panda for the felling of about 1,100 trees, in violation of the SC's orders, for road expansion in the ridge area, which falls under the eco-sensitive zone around Asola-Bhati Wildlife Sanctuary. On March 4, the DDA submitted an application to the SC seeking permission to cut trees for the construction of the Gaushala Road. However, the court directed the DDA to re-examine the proposal with the help of field experts. During the proceedings, an affidavit from the DDA's Vice Chairman revealed that tree felling had already begun on February 16 and continued for ten days.

So, by February 26, all intended trees were cut down even before the application reached the SC. This material fact was not disclosed when the court heard the application on March 4. Despite knowing no trees could be touched without the court's sanction, the DDA misled the court and acted in bad faith by seeking permission only after the tree felling work. While probing deeper to set accountability, the Bench pulled up DDA for not providing records of the Delhi LG's (Chairman of the DDA) February 3 visit to the site, which allegedly led to the tree felling order. The Delhi government was also reprimanded for usurping the Tree Officer's authority in granting permission.

The apex court has halted the DDA's work and directed a team from the FSI to assess the number of trees cut and the environmental damage.

#### What next for Delhi?

Amid an extreme heatwave, rampant tree felling in the world's second most populous city will only worsen hardships. Urban forests act as carbon sinks, absorbing emissions and filtering pollutants, essential for cities like Delhi with persistently unhealthy air quality indices. Trees reduce the urban heat island effect by lowering temperatures through shading and evapotranspiration. Among other reforms, the government should consider increasing the penalty from ₹1,000 to ₹5,000 under the DPTA, 1994, aligning it with current realities.

Kartikey Singh reads law at RGNUL.

India's total forest and tree cover was 80.9 million hectares, which accounted for 24.62% of the geographical area of the country.

The report said 17 States and Union Territories had more than 33% of their area under forest cover.

Madhya Pradesh had the largest forest cover, followed by Arunachal Pradesh, Chhattisgarh, Odisha and Maharashtra

• The top five States in terms of forest cover as a percentage of their total geographical area were Mizoram (84.53%), Arunachal Pradesh (79.33%), Meghalaya (76%), Manipur (74.34%) and Nagaland (73.90%).

## Background:

- On June 26, the Supreme Court directed the Delhi government and Delhi Development Authority (DDA) to take steps to enhance the national capital's green cover.
- 26 जून को, सर्वोच्च न्यायालय ने दिल्ली सरकार और दिल्ली विकास प्राधिकरण (DDA) को राष्ट्रीय राजधानी की हरित आच्छादन बढ़ाने के लिए कदम उठाने का निर्देश दिया।

#### Extent of Green Cover:

- According to the 'India State of Forest Report 2021' (ISFR), Delhi has the largest forest cover among seven major megacities, with 195 sq. km.
- 'भारत राज्य वन रिपोर्ट 2021' (ISFR) के अनुसार, दिल्ली के सात प्रमुख महानगरों में सबसे बड़ा वन आच्छादन है, जिसमें 195 वर्ग किमी है।

## • Legal Protection:

- The Delhi Preservation of Trees Act (DPTA), 1994, provides legal protection to trees against actions that could harm their growth or regeneration.
- दिल्ली पेड़ों के संरक्षण अधिनियम (DPTA), 1994, पेड़ों की वृद्धि या पुनर्जनन को नुकसान पहुंचाने वाली कार्रवाइयों के खिलाफ कानूनी सुरक्षा प्रदान करता है।

### Provisions of the Act:

- Section 2 (h) defines "to fell a tree" including various actions such as severing the trunk, uprooting, cutting, etc.
- धारा 2 (h) "एक पेड़ गिराने" को परिभाषित करती है, जिसमें ट्रंक को काटना, उखाड़ना, काटना आदि शामिल हैं।
- Under Section 8, no tree can be removed without prior permission from the Tree Officer.

- धारा ८ के तहत, किसी भी पेड़ को वृक्ष अधिकारी की पूर्व अनुमति के बिना नहीं हटाया जा सकता है।
- The Act mandates that 80% of identified trees slated for felling must be transplanted.
- अधिनियम में यह निर्धारित किया गया है कि काटने के लिए चिन्हित 80% पेड़ों को प्रत्यारोपित किया जाना चाहिए।

## Current Legal Case:

- The Supreme Court is hearing a contempt petition against DDA's Vice Chairman for the felling of about 1,100 trees.
- सर्वोच्च न्यायालय DDA के उपाध्यक्ष के खिलाफ लगभग 1,100 पेड़ों को काटने के लिए अवमानना याचिका की सुनवाई कर रहा है।

## • Future Steps:

- The court has directed a team from the Forest Survey of India (FSI) to assess the number of trees cut and the environmental damage.
- अदालत ने भारतीय वन सर्वेक्षण (FSI) की एक टीम को पेड़ों की कटाई और पर्यावरणीय क्षति का आकलन करने का निर्देश दिया है।

- Consider the following statements regarding the Delhi Preservation of Trees Act (DPTA), 1994:
- 1. The DPTA provides legal protection to trees in the national capital against actions that could harm their growth or regeneration.
- 2. Under the DPTA, no tree can be removed from any land without prior permission from the Tree Officer.
- 3. The DPTA mandates that 50% of identified trees slated for felling must be transplanted.
- Which of the above statements is/are correct?
- a) 1 and 2 only
  - b) 2 and 3 only
  - c) 1 and 3 only
  - d) 1, 2, and 3

## **♦**TheIndian **EXPRESS**

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NEET-UG: NEXT HEARING ON JULY 11

#### SC: Leak took place, but far-fetched to assume all 23 lakh students involved

Says not appropriate to order re-test if breach confined to specific centres

#### ANANTHAKRISHNANG

OBSERVING THAT SELF denial is only adding to the problem, the Supreme Court on Monday said it was clear a leak has taken place in the NEET UG 2024 examination, but ordering a retest depends on whether the alleged breach was at a systemic level and affected the integrity of the entire process, and whether it was possible to segre-gate the beneficiaries of the fraud from untainted students.
"The fact that the sanctity of

breached...compromised is be-yond doubt. Now the question is how widespread is the breach," Chief Justice of India D Y Chandrachud said while hearing petitions of those seeking as well as those opposing cancellation of the May 5 NEET UG exams over paper leak allegations.
The CJI-led Supreme Court
bench, comprising Justices J B
Pardivala and Manoj Misra, said it
may be far-fetched for it to presume, unless the government and

#### FORGED PAPERS USED

#### Apollo doctor held for Bangla-India kidney transplant 'racket'

KAUNAIN SHERIFF M & MAHENDER SINGH MANRAL NEW DELHI, JULY 8

LAST WEEK Delhi Police ar LAST WEEK, Delhi Police ar-rested a 50-year-old doctor from Delhi-based Indraprastha Apollo Hospital for her alleged involve-ment in an organ transplanta-tion racket across Bangladesh

The police have said that Dr

Vijaya Kumari, now under sus-pension, was the lone doctor working with the gang and had performed around 15-16 trans-plants from 2021-23 in Noida-based private Yatharth Hospital. in the alleged acket, records show, patients from Bangiadesh demen Supart. and their asso-demen Supart. and their asso-

CONTINUED ON PAGE 2

#### RED CARPET FOR 22ND ANNUAL SUMMIT TODAY

#### Modi Moscow message: Deepen ties, no solution on battlefield

PM and Putin meet; Modi flags cooperation in 'futuristic areas'

SHUBHAJITROY

IN THE inaugural bilateral visit of his third term and his first to Russia since it invaded Ukraine in February 2022, Prime Minister Narendra Modi landed in Moscow Monday with a clear message that New Delhi sought to "play a supportive role for a peaceful and stable region" and both sides were committed to deepening their "special and priv ileged strategic partnership" is Modi and Russian President adimir Putin met Monday night at the latter's dacha in the



Prime Minister Narendra Modi meets Russian President Vladimir Putin in Moscow on Monday. ANI

CHOOSING RUSSIA for his first bilateral visit. Modi has broken wit the tradition of India's new PM travelling first to a neighbouring cou Delhi's engagement will be guided by the impera-tive of Moscow-Beijing warmth not affecting Delhi-Moscow ties.

Ogaryovo and will hold talks at the 22nd India-Russia annual summit Tuesday. Sources said summit Tuestady. Sources said that the Indian side will convey to the Russians that "a solution cannot be found on the battle-field" — a formulation that goes beyond what Modi had told him CONTINUED ON PAGE 2

MUMBAI HIT-AND-RUN

#### 5 Army personnel killed, 5 injured as militants target convoy in Kathua

ARUN SHARMA & AMRITA NAYAK DUTTA JAMMU NEW DELHI JULY 8

FIVE SOLDIERS, including a Junior CommissionedOfficer(JCO), were killed and five injured when mil-itants ambushed an Army convoy in Kathua district of Jammu and Kashmir on Monday afternoon, According to sources, three of the five injured are critical. The attack, the second in the

The attack, the second in the district in the past month, took place around 3.10 pm when the place around 3.10 pm when the man and the place around 3.10 pm when the millahin the remote Badineta village, sources said. According to sources, a fairly large group of millants was in the convey. According to sources, a fairly large group of millants was in taging the properties of the convey. According to sources, a fairly carried to the convey. According to source, a fairly transport of millants was in the convey. According to source said there were inputs of a successful infli-tration in the area by a large

court on Monday that the ac

A soldier injured in the attack being taken to a health centre in Kathua. AN

The incident took place at the deployed in the area a few weeks ago. The administrative convoy was attacked from two direc-tions, sources said. CONTINUED ON PAGE 2

#### EXPRESS NETWORK



RAHUL CAPS FIRST VISIT TO MANIPUR AS LOP WITH MESSAGE TO PM: VISIT STATE SC: EX-CJI LALIT TO HEAD PANEL TO PICK V-Cs IN BENGAL P 6, 12

ByNAAC

#### Sandeshkhali: SC rejects Bengal plea against HC order on CBI probe

EXPRESS NEWS SERVICE NEW DELHI, JULY 8

THE SUPREME Court on Monday

in Sandeshkhali — in which sus-pended TMC leader Shahjahan Sheikh is a key accused — saying the state had not done anything in the matter for months. "You don't do anything for



BUSINESS AS USUAI

#### down woman again: Cops SAGARRAJPUT

REVEALING NEW details of the hit-and-run accident in which a woman was killed in Mumbai on

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Founder-Director, IIIT-Bangalore Has Consented to Be Chairman, Board of Studies, VIPS-TC



PhD (Purdue) Former Faculty at IIT (Kanpur & Madras), IIM (Bangalore)

Prof. Pranawachandra Deshmukh Has Consented to Be

**Head: Chair of Quantum Technique and** Quantum Communication Mission, VIPS-TC



Chair Professor, Center for Quantum Sciences and Technologies, School of Computer Science and Engineering, RV University, Bengaluru

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## India to sign, ratify High Seas Treaty: Minister

#### **EXPRESS NEWS SERVICE**

NEW DELHI, JULY 8

INDIA HAS decided to sign and ratify the High Seas Treaty, a global agreement for conservation and protection of biodiversity in the oceans, that is often compared to the 2015 Paris Agreement in its reach and impact.

The High Seas Treaty, also known as the agreement on **Biodiversity Beyond National** Jurisdictions (BBNJ), was negotiated in March last year. "India remains committed and proactive to the global cause of environmental conservation and sustainable development. We will be signing (the BBNI Agreement) and are propitious of subsequently ratifying it through the necessary legislative processes," Science and Technology Minister Jitendra Singh said on Monday following the endorsement of the treaty by the Cabinet on July 2.

"The government is aligned to scientific progress, strengthening international collaboration, and promoting governance, transparency, accountability and the rule of law," Singh said.

The High Seas, the oceans outside the national boundaries of countries, are international commons, open for use by all. The resources found in these ar-

eas, which constitute about 64% of the ocean surface, are open for extraction by anyone. The exact activities, and the manner in which they can be carried out, are governed by international and regional laws. Most notable and wide-ranging of the laws is the UN Convention on the Law of the Seas, or UNCLOS, which defines the rights and duties of the country, and lays down the general principles of acceptable conduct in the oceans.

The High Seas Treaty, once it is ratified by the requisite number of countries and becomes international law, would operate under the UNCLOS framework, and become one of its implementing instruments.

Among other things, the High Seas Treaty would define and demarcate marine protected areas in biodiversity-rich zones of the oceans that are under stress.

The treaty also seeks to ensure that any benefits accruing from ocean life forms, like drug development, is considered a global common, is free of intellectual property rights and equitably shared with everyone.

The treaty would become international law 120 days after at least 60 countries submit their ratification documents. Of now, 91 countries have signed the treaty, but only eight have ratified it.

## • Background:

- India has decided to sign and ratify the High Seas Treaty, a global agreement for the conservation and protection of biodiversity in the oceans, often compared to the 2015 Paris Agreement in its reach and impact.
- भारत ने महासागरों में जैव विविधता के संरक्षण और सुरक्षा के लिए एक वैश्विक समझौता, हाई सीज़ संधि पर हस्ताक्षर करने और उसे मंजूरी देने का निर्णय लिया है, जिसे इसके प्रभाव और पहुंच के मामले में 2015 के पेरिस समझौते की तुलना में देखा जाता है।

## Treaty Details:

- The High Seas Treaty, also known as the agreement on Biodiversity Beyond National Jurisdictions (BBNJ), was negotiated in March last year.
- हाई सीज़ संधि, जिसे राष्ट्रीय अधिकार क्षेत्र से परे जैव विविधता पर समझौता (BBNJ) भी कहा जाता है, पिछले साल मार्च में वार्ता की गई थी।

### Legal Framework:

- The High Seas, which constitute about 64% of the ocean surface, are open for extraction by anyone, governed by international and regional laws.
- हाई सीज़, जो महासागर की सतह का लगभग 64% है, किसी के द्वारा भी निष्कर्षण के लिए खुले हैं, और अंतर्राष्ट्रीय और क्षेत्रीय कानूनों द्वारा शासित हैं।



• The UN Convention on the Law of the Seas (UNCLOS) defines the rights and duties of countries and lays down general principles of acceptable conduct in the oceans.संयुक्त राष्ट्र महासागर कान्न पर सम्मेलन (UNCLOS) देशों के अधिकारों और कर्तव्यों को परिभाषित करता है और महासागरों में स्वीकार्य आचरण के सामान्य सिद्धांतों को स्थापित करता है

## Implementation:

- The High Seas Treaty would operate under the UNCLOS framework and become one of its implementing instruments.
- हाई सीज़ संधि UNCLOS ढांचे के तहत संचालित होगी और इसके कार्यान्वयन उपकरणों में से एक बन जाएगी।

- The treaty aims to define and demarcate marine protected areas in biodiversity-rich zones of the oceans that are under stress.
- संधि का उद्देश्य तनावग्रस्त महासागरों के जैव विविधता-समृद्ध क्षेत्रों में समुद्री संरक्षित क्षेत्रों को परिभाषित और सीमांकित करना है।

## Global Impact:

- The treaty would ensure that any benefits accruing from ocean life forms, like drug development, are considered a global common and equitably shared with everyone.
- संधि यह सुनिश्चित करेगी कि महासागर जीवन रूपों से प्राप्त होने वाले किसी भी लाभ, जैसे दवा विकास, को एक वैश्विक सामान्य माना जाए और सभी के साथ समान रूप से साझा किया जाए।

- The treaty would become international law 120 days after at least 60 countries submit their ratification documents.
- संधि कम से कम 60 देशों दवारा अपनी पुष्टि दस्तावेज प्रस्तुत करने के 120 दिनों के बाद अंतर्राष्ट्रीय कानून बन जाएगी।

- Consider the following statements regarding the High Seas Treaty:
- 1. The High Seas Treaty is also known as the agreement on Biodiversity Beyond National Jurisdictions (BBNJ).
- 2. The High Seas constitute about 64% of the ocean surface.
- 3. The High Seas Treaty, once ratified by the requisite number of countries, would operate under the Paris Agreement framework.
- Which of the above statements is/are correct?
- a) 1 and 2 only
  - b) 2 and 3 only
  - c) 1 and 3 only
  - d) 1, 2, and 3



## WHAT IS A COGNITIVE TEST, WHICH MANY WANT JOE BIDEN TO TAKE?

#### **ANKITA UPADHYAY**

NEW DELHI, JULY 8

AMID CONCERN over 81-year-old Joe Biden's fitness to stay in the race for the White House, there have been calls for the President to take a cognitive test to determine the level of his mental acuity.

Biden, who many feel is too old for the physical and mental demands of the world's toughest job, has remained adamant in the face of an increasingly urgent campaign to have him step aside.

In his June 27 debate with Donald Frump and in recent speeches and interviews, Biden has been faltering and incoherent, spoken haltingly in a raspy voice, and demonstrated an absence of facial animation, resulting at times in a flat, open-mouthed expression.

#### What is a cognitive test?

A cognitive test checks for problems with cognition, which includes brain functions such as thinking, learning, remembering, and using judgment and language. Problems with cognition are described as cognitive impairment.

Cognitive testing is a structured and validated process that seeks to identify deficits, the reasons for their occurrence, and the spheres of the subject's brain they affect. On the basis of the test results, a diagnosis is reached on whether the subject has cognitive impairment, dementia, or pseudo dementia, and interventions — including behaviour therapies and cognitive therapies — are decided.

#### For whom is this test recommended?

People who have memory deficits, or who think they are losing memory or becoming forgetful, have difficulty in focusing or in judgment, or whose mind is not working as they think it should be working, should take the test.

The test is frequently given by doctors in order to differentiate among demen-



President Joe Biden has refused to walk away from the race. Reuters

tia and pseudo dementia, and to suggest interventions for cognitive rehabilitation. "For us, doing cognitive function tests is a very regular thing," Dr Praveen Gupta, principal director and unit head of neurology at Fortis Hospital, Gurgaon, said.

#### Is this a test for only older people?

Age is a significant factor in cognitive decline: the risk of dementia increases in every decade after 60, and becomes very significant after age 75. Dr Gupta said Biden is of an age at which the risk of cognitive impairment is particularly high.

Biden has, however, refused to undergo any kind of neurological examination, including a cognitive test. Being President and running for re-election are cognitive tests in themselves, he has said.

Some younger people also show signs because of stress, overwork and multitasking, Dr Gupta said. "Those people also take these tests to differentiate between early onset of dementia and cognitive impairment, and pseudo dementia," he said.

#### And how is this test done?

A psychologist checks functions such as memory, retention, language functioning, calculating ability, and special organising ability, in order to evaluate the functioning of individual parts of the brain that are responsible for each of these mental functions.

## • Background:

- Amid concerns over 81-year-old Joe Biden's fitness to stay in the race for the White House, there have been calls for the President to take a cognitive test to determine the level of his mental acuity.
- 81 वर्षीय जो बाइडेन की व्हाइट हाउस की दौड़ में बने रहने की फिटनेस को लेकर चिंताओं के बीच, राष्ट्रपति को उनकी मानसिक तीक्ष्णता के स्तर का निर्धारण करने के लिए एक संज्ञानात्मक परीक्षण लेने के लिए कहा गया है।

## Definition of Cognitive Test:

- A cognitive test checks for problems with cognition, which includes brain functions such as thinking, learning, remembering, and using judgment and language.
- एक संज्ञानात्मक परीक्षण संज्ञानात्मक समस्याओं की जांच करता है, जिसमें सोचने, सीखने, याद रखने और निर्णय और भाषा का उपयोग करने जैसी मस्तिष्क की क्रियाएं शामिल हैं।

## Purpose and Process:

- Cognitive testing is a structured and validated process that seeks to identify deficits, understand their occurrence, and determine which parts of the brain they affect.
- संज्ञानात्मक परीक्षण एक संरचित और मान्य प्रक्रिया है जो घाटे की पहचान करने, उनकी घटना को समझने और यह निर्धारित करने का प्रयास करती है कि वे मस्तिष्क के किन हिस्सों को प्रभावित करते हैं।

- Based on the test results, a diagnosis is made on whether the subject has cognitive impairment, dementia, or pseudo-dementia, and interventions are suggested.
- परीक्षण परिणामों के आधार पर, यह निदान किया जाता है कि विषय को संज्ञानात्मक दुर्बलता, मनोभ्रंश या छद्म मनोभ्रंश है या नहीं, और हस्तक्षेप का सुझाव दिया जाता है।

### For Whom is This Test Recommended:

- People with memory deficits, those who think they are losing memory, have difficulty focusing, or whose mind is not working as they think it should, should take the test.
- स्मृति घाटे वाले लोग, जो सोचते हैं कि वे स्मृति खो रहे हैं, ध्यान केंद्रित करने में कठिनाई हो रही है, या जिनका मस्तिष्क उस तरह से काम नहीं कर रहा है जैसा उन्हें लगता है कि उन्हें परीक्षण लेना चाहिए।

### Age Factor:

- Age is a significant factor in cognitive decline, with the risk of dementia increasing every decade after 60, and becoming very significant after age 75.
- उम्र संज्ञानात्मक गिरावट में एक महत्वपूर्ण कारक है, जिसमें 60 के बाद हर दशक में मनोभंश का जोखिम बढ़ जाता है, और 75 वर्ष की आयु के बाद बहुत महत्वपूर्ण हो जाता है।

- Biden, who is of an age where cognitive impairment is particularly high, has refused to undergo any kind of neurological examination, including a cognitive test.
- बाइडेन, जो उस उम्र के हैं जहां संज्ञानात्मक दुर्बलता विशेष रूप से उच्च है, ने किसी भी प्रकार की न्यूरोलॉजिकल परीक्षा, जिसमें एक संज्ञानात्मक परीक्षण शामिल है, से गुजरने से इनकार कर दिया है।

- Consider the following statements regarding cognitive tests:
- 1. Cognitive tests evaluate brain functions such as thinking, learning, remembering, and using judgment and language.
- 2. Cognitive tests are recommended only for older adults above the age of 75.
- 3. The results of cognitive tests can help differentiate between cognitive impairment, dementia, and pseudo-dementia.
- Which of the above statements is/are correct?
- a) 1 and 2 only
  - b) 2 and 3 only
  - c) 1 and 3 only
  - d) 1, 2, and 3

## Digital Bharat Nidhi

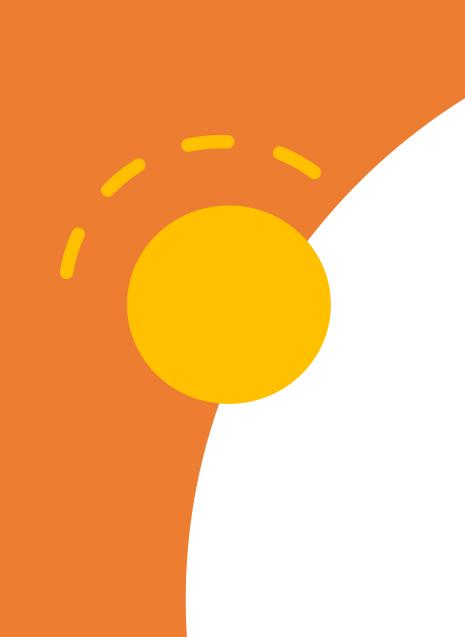
• The Department of Telecommunications (DoT) released draft rules to operationalise the **Digital Bharat Nidhi (DBN)**, by the central government at increasing telecom connectivity in rural areas.

- Digital Bharat Nidhi was established through the Telecommunications Act, 2023. It would replace the erstwhile Universal Service Obligation Fund (USOF).
- USOF is a pool of funds generated by a 5 percent Universal Service Levy charged upon all the telecom fund operators on their Adjusted Gross Revenue (AGR).

- USOF was established in 2003, and has been criticized for its underutilization.
- Between 2017 and 2022, the government had collected Rs 41,740 crore as part of contributions made by telcos towards the USOF, and only 72 percent of it has been utilized.
- The money would be used to fund the expansion of telecom networks in remote and rural areas, where private companies resist offering their services.

lacktriangle

- How will the Digital Bharat Nidhi work?
- As per the Telecom Act, contributions made by telecom companies towards the Digital Bharat Nidhi will first be credited to the Consolidated Fund of India (CFI).
- The Centre will deposit the collected funds to the DBN from time to time.



## Project PARI

- The Ministry of Culture initiates Project PARI for the 46th World Heritage Committee Meeting.
- About
- Project PARI (Public Art of India), seeks to bring forth public art that draws inspiration from millennia of artistic heritage while incorporating modern themes and techniques.
- Artists from all over the country have come together to create the various wall paintings, murals, sculptures and installations being prepared under this project.

- The creative canvas inspired by the styles of;
  - Phad paintings (Rajasthan), Thangka
     painting (Sikkim/Ladakh), Gond art (Madhya Pradesh), Tanjore
     paintings (Tamil Nadu), and
  - Kalamkari (Andhra Pradesh), Alpona art (West Bengal), Cheriyal painting (Telangana), Pichhwai Painting (Rajasthan), Lanjia Saura (Odisha), and
  - Pattachitra (West Bengal), Bani Thani Painting (Rajasthan), Warli (Maharashtra), Pithora Art (Gujarat), Aipan (Uttarakhand), Kerala Murals (Kerala), Alpana art (Tripura) and more.

## Fun fact

• The human heart beats about 100,000 times a day, pumping approximately 2,000 gallons (7,570 liters) of blood through your body. This incredible organ works tirelessly throughout your life, and by the time you reach 70 years old, your heart will have beaten more than 2.5 billion times!

## Word of the day

### Glade:

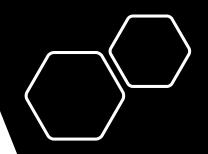
a tract of land with few or no trees in the middle of a wooded area

Synonym: clearing

**Usage:** The place had small woodland glades dominated by various grasses.

Pronunciation: bit.ly/gladepro

International Phonetic Alphabet: /gleɪd/



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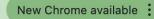


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