

DAILY PT POINTERS

6 November, 2024



The Hindu-Governance(GSII)-Page 1

State has no right to acquire every private property, asserts SC

Krishnadas Rajagopal NEW DELHI

A nine-judge Constitution Bench of the Supreme Court, in a majority judgment, held on Tuesday that not every resource owned by private players can be considered a "material resource of the community" to be used by the government to serve the "common good".

The decision dismissed such a power of acquisition by the state while noting that it reminded of a particular "rigid economic dogma" of the past. The court noted that the Indian economy has already transitioned from dominance of public investment to co-existence of public and private investments.

The majority opinion authored by Chief Justice D.Y. Chandrachud said the interpretation that every private property could be used by the state as mate-

2 judges refer to CJI's remarks on V.R. Krishna Iyer

NEW DELHI

Two SC judges quoted a "harsh" observation made by Chief Justice D.Y. Chandrachud about Justice V.R. Krishna lyer in a "proposed judgment", which said "the Krishna lyer doctrine does a disservice to the broad and flexible spirit of the Constitution". » PAGE 12

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CONTINUED ON PAGE 12



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The Hindu-Governance(GSII)-Page 1

SC upholds validity of U.P. Madrasa Act, also confirms State's regulatory powers

Krishnadas Rajagopal

NEW DELHI

The Supreme Court on Tuesday partially upheld the constitutional validity of the Uttar Pradesh Madrasa Education Board Act of 2004 while confirming that the State can regulate madrasa education to ensure standards of excel-



Maulana Khalid Rasheed Firangi Mahali, Imam of Eidgah, celebrates

Kamil and Fazil levels, was "consistent with the positive obligation of the State to ensure that students studying in recognised madrasas attain a minimum level of competency that allows them to effectively participate in society and earn a living".

He observed that the Act, which allowed the



- The Supreme Court on Tuesday upheld the constitutional validity of the Uttar Pradesh Board of Madarsa Education Act 2004, except for its provisions allowing the Board to award higher degrees like Fazil and Kamil.
- The court said that the awarding of higher degrees was unlawful since it is in conflict with the provisions of the University Grants Commission Act, 1956.
- The Supreme Court dismissed the High Court's view that the 2004 Act violated secularism, emphasizing that secularism must be grounded in specific provisions of the Constitution and not used as a broad basis for invalidating laws.
- The Court stressed that the State must balance educational standards with protecting minority rights under Article 30, ensuring madrasas impart secular education of required quality while retaining their minority character.

The Hindu-Environment(GSIII)-Page 18

If tardigrades crowd-sourced their remarkable genes, can humans?

These remarkable creatures initiabli some of the more extreme eccessions on the planet, from the frigid expanses of deep-sea floors to scorching deserts and even the vacuum of sexce. Researchers have identified more than 1.300 tanderade species to date, each one adapted to conditions deadly to most other life forms

l'ardigrades are an ancient

species. The earliest known

fossils date from around 90

Cretaceous Period, Molecula

dating suggests they originated

at least 600 million years ago

the lethal limit for humans and tracked

The researchers found thousands of

genes apregulated when the tardiguedes.

adjustion resistance is likely modulated by

genes that can be acquired by hortcostall

transfer, i.e., from other species in their

environment. The researchers also

discovered some tardigrade-specific

genes, as well as genes similar, yet no

identical, to ones in other organisms

In fact, horizontal gave trous for

tardigrades' genes, which is a significant

fraction that state a latte significance to the

tandigrades' non-ival and evolution. The

countibuted more than 0.6% of the

DOOM game is of particular note:

which genes were expressed using

were exposed to extreme radiation.

Further analysis suggested that the

acromic tools.

million years ago. in the

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ardigrades are one of the most resident as well as entigrantle. life forms on the earth. These organizers, sho called water are and mass piglates, are microscopic ghi logged creatures without a activers.

They imprise are with their remarkable withy to survival in contents: interaction and so very allowative that they are easily lethal to amount they are also survive stamant. They can also survive stamantation of of air and water, and subserior

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A false-colour image of a tardigrade. Ruz Prichops

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Nature Generalizations Stology is May, Another paper published that year in the same journal explored instruction, called small base shock proteins and, insimilar supprach, demonstrated that they could enhance interests "shifty to sarvise her conditions to well as present proteins from changing up when they

Sunvival begins in the vell Memocranity, researches from Crim, reported a new randigrade exocles. Hypothas Armanuch. Their fundangs, reported on Content of Sin Lichnor, included a dimensional local manufacture, assembly that revealed many familia about the generalized publication the shall be presented by tradigrades the shalls be writtened radiation. They eefs against radiation damage. The creatures probably acquired it from a butterfal species. A accord class of gares involved in

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to gove, reconstructs are insident plant and products in hards our disease from the products in hards our disease they may secondare during storage, transport, and admirishtation. Tadigrades possess under adaption to reside or even sidestey outland charage, and resourchers can have from them to find ways to studies called in research and formerchine.

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Schillar Soanabhi and Vined Scoria work at Narkino Healthcare Pet. Ltd. and are adjune professors at IT Kauper and the DE Paul Madical College, Pane.

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- Tardigrades are an ancient species. The earliest known fossils date from around 90 million years ago, in the Cretaceous Period. Molecular dating suggests they originated at least 600 million years ago.
- Tardigrades can induce cryptobiosis and linger in suspended animation. This allows them to tolerate dryness, radiation, and freezing
- Researchers are attempting to synthesise secretoryabundant heat-soluble proteins used by tardigrades in other microbes to enhance tolerance against desiccation. This research has implications for medicine and space exploration
- When tardigrades were exposed to gamma rays 1,000 times greater than the lethal limit for humans, thousands of genes upregulated in response. Radiation resistance is likely modulated by genes acquired by horizontal transfer. Researchers seek ways to protect cell based therapies in harsh conditions encountered during transport, and administration. Tardigrades possess adaptations to resist cellular damage and provide a unique blueprint for robust biological systems

Indian Express – Governance(GSII)-Page 2

Chalo India drive: Free visa for friends of diaspora at World Travel Mart in UK

DIVYAA

NEW DELHI, NOVEMBER 5

THE MINISTRY of Tourism will launch its Chalo India campaign on the sidelines of the ongoing World Travel Mart in London.

Chalo India is a first-of-itskind initiative to bring more foreign tourists to India, wherein the government will allow "friends" of diaspora members to get free visas. Five foreign nationals nominated by each Overseas Citizen of India (OCI) cardholder on a special portal will be eligible for a gratis e-visa (visa granted without fees).

There are about five million OCI card holders, as per government records. While each OCI holder can nominate up to five people, the total number of free evisas to be granted under the said initiative is one lakh, officials said.

As the special portal goes live, the OCI cardholders will need to register on the same and key in the details of their nominated friends; they will be assigned a unique code after due verification. The designated friends can



THE FOREIGN tourist footfall to India has been severely hit in the wake of the pandemic and numbers haven't returned to pre-pandemic levels. Around 6.19 million and 1.52 million foreign tourists arrived in India in 2022 and 2021 respectively, compared to 10.93 million in 2019.

The focus of this year s India pavilion is MICE, Mahakhumbh and wedding tourism, said the statement. A special mock Mandapam in the Pavilion has been created to give the look and feel of an Indian wedding. The India pavilion was inaugurated by High Commissioner Vikram Doraiswami and Director General, Ministry of Tourism, Mugdha Sinha, in the presence of Tourism Ministers of



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- The UK is the third largest source market for inbound tourists to India. At almost 1.9 million, it also has one of the biggest Indian diaspora.

Indian Express – Economy(GSIII)-Page 15

How Dedicated Freight Corridors are adding to GDP growth, boosting Rail revenues

DHEERAJMISHRA

NEW DELHI, NOVEMBER 5

DEDICATED FREIGHT Corridors are improving India's GDP and adding significantly to the Indian Railways' revenue, a recent study by Australia's University of New South Wales has said.

The study said that reduction in freight cost and travel time due to the DFCs has helped reduce prices of commodities by up to 0.5 per cent, and the corridors have contributed to 2.94 per cent of the revenue growth realised by the Railways between FY 2022–23 and FY 2018–19.

The study was published in the journal Elsevier. It analysed the Western Dedicated Freight Corridor (WDFC) data for FY 2019–20, and came up with its findings by using a Computable General Equilibrium model initiated by the central government.

What are Dedicated Freight Corridors?

Dedicated Freight Corridors

THE DEDICATED FREIGHT CORRIDORS WESTERN CORRIDOR (1,506 KM) Rewari-Makarpura Dadri-Rewari Makarpura-JNPT 430 km EASTERN CORRIDOR (1,337 KM) Ludhiana-Khurja 401 km Khurja-Dadri 46 km

351 km

402 km

Why were DFCs needed?

Khurja-Bhaupur

Bhaupur-DDU

DDU-Sonnagar

The need for the Dedicated Freight Corridors was felt for two reasons. First was the overutilisation of the Railways' golden quadrilateral linking the four metropolitan cities of Delhi, Mumbai, Chennai and Howrah, and its two diagonals (Delhi-Chennai and Mumbai-Howrah). This stretch comprises only 16 per cent of the route, but carried more than 52 per cent of the passenger traffic

cent more than last year. The freight trains on DFC are faster heavier & safer. Since inception the DFCs have carried over 232 billion Gross Tonne Kilometres (GTKMs) and 122 billion Net Ton Kilometers (NTKMs) payload.

According to the DFCCIL, more than 10 per cent of freight running of Indian Railways is now handled by DFC. A DFCCIL official said that a comprehensive and holistic study of the impact of the DFCs on the Indian Economy is underway.



Dedicated Freight Corridors (DFCs) are specific routes for freight transportation, which offer higher transport capacity due to the faster transit of freight trains, running of double stack container trains, and heavy haul trains. This improves the supply chain for the industries/logistics players located at economic centres along the way, leading to growth of export-import traffic too. The Ministry of Railways took up the construction of two DFCs — the 1,337-km Eastern Dedicated Freight Corridor (EDFC) from Sonnagar in Bihar to Sahnewal in Punjab; and the 1,506-km Western Dedicated Freight Corridor (WDFC) from Jawaharlal Nehru Port Terminal in Mumbai to Dadri in Uttar Pradesh — back in 2006. The need for the Dedicated Freight Corridors was felt for two reasons. First was the over utilisation of the Railways' golden quadrilateral linking the four metropolitan cities of Delhi, Mumbai, Chennai and Howrah, and its two diagonals (Delhi-Chennai and Mumbai-Howrah). This stretch comprises only 16% of the route, but carried more than 52% of the passenger traffic and 58% of revenue-earning freight traffic for the Railways.

PIB -Defense(GSIII)



linistry of Defence

THIRD EDITION OF 'MAHASAGAR'

Posted On: 05 NOV 2024 7:48PM by PIB Delhi



- The third edition of the highlevel virtual interaction MAHASAGAR was conducted by the Indian Navy on 05 Nov 24,
- The interaction's theme was 'Training Cooperation to
 Mitigate Common Maritime Security Challenges in IOR',
 which highlights the present and necessary imperatives
 for Training Corporation towards mitigation of common
 maritime challenges in the Indian Ocean Region.
- MAHASAGAR which stands for vast ocean in Hindi, is the Indian Navy's flagship outreach for high-level virtual interaction between Maritime Heads for Active Security And Growth for All in the Region. The initiative, started by the Indian Navy, is conducted biannually and has garnered wide acceptance among the participating nations ever since its inception in 2023.

PIB: Space(GSIII)

Ministry of Science & Technology



India to Launch European Union's Solar Observatory Satellite Proba-3, in December, announces Dr. Jitendra Singh

EU Sees India as a 'Natural Partner' in Space Exploration and Security: EU Ambassador

3rd India Space Conclave Highlights India's Rising Role in Global Space Collaboration

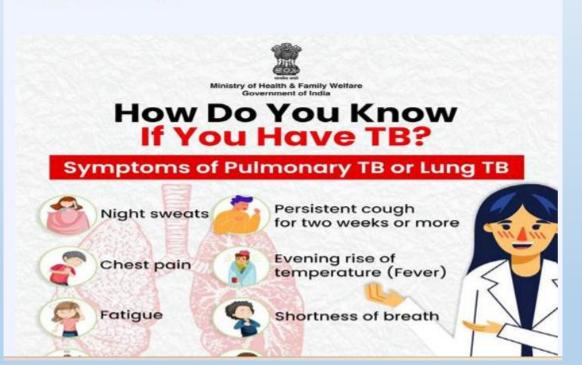
Posted On: 05 NOV 2024 4:31PM by PIB Delhi



- India will launch the European Union's Proba-3 Space Satellite in the first week of December, marking another milestone in India's growing space leadership.
- The Proba-3 mission, focused on solar observation, reflects the deepening partnership between India and the EU in space research and exploration.
- This will be India's third launch for the EU, following earlier missions for the Proba-1 and Proba-2 satellites.

Air: Health(GSII)

Towards A TB-Free India: 17.7% Decline In TB Incidence From 2015 To 2023

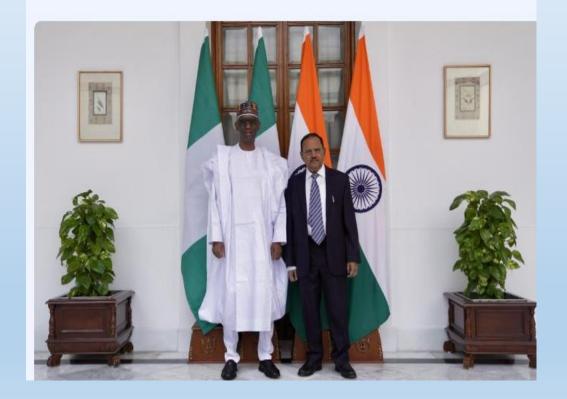




- India's journey towards tuberculosis (TB) elimination has been recognized globally, with a noteworthy 17.7 percent decline in TB incidence from 2015 to 2023. As per the World Health Organization's Global Tuberculosis Report 2024 the rate is twice the global average decline of 8.3 percent.
- India, as a signatory to the United Nations Sustainable
 Development Goals had pledged to achieve the "End TB"
 targets by 2025, five years ahead of the SDG deadline of
 2030. The achievement highlights the impact of India's
 National Tuberculosis Elimination Programme. There has
 been an 80 percent reduction in the TB incidence rate
 and a 90 percent reduction in the TB mortality rate
 compared to the 2015 levels.

Air: IR(GSII)

India And Nigeria Discuss And Identify Specific Areas Of Cooperation In Fight Against Terrorism

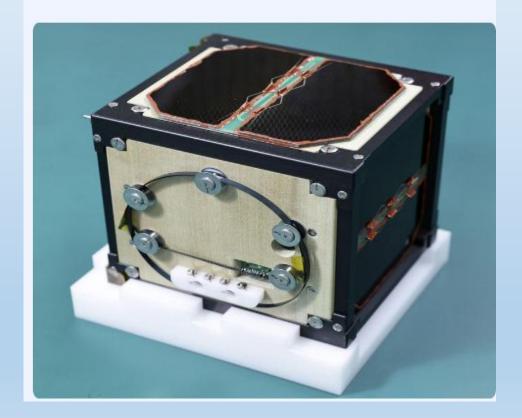




- The Second Strategic and Counter-Terrorism Dialogue between India and Nigeria concluded today in New Delhi. During the two day long Dialogue, National Security Adviser Ajit Dova and his Nigerian counterpart Nuhu Ribadu held in-depth discussions within the framework of the strategic India-Nigeria partnership on threats and challenges emanating from terrorism, extremism, radicalization, including through cyberspace, as well as from international crime, arms and drug smuggling.
- The two sides identified specific areas of cooperation to enhance their fight against all forms of terrorism, reiterating their firm belief that there can be no justification for terrorism in any form or manifestation

Air: Space(GSIII)

Japan Launches World's First Wooden Satellite, LignoSat, To Test Space-Grade Wood





- In Japan, the world's first wooden satellite was launched into space today aims to prove that wood is a spacegrade material.
- The satellite LignoSat is scheduled to orbit the Earth for six months. According to media reports, designed by researchers at Kyoto University in Japan, LignoSat is made of honoki, a kind of magnolia tree that was traditionally used to make sword sheaths. The Japanese researchers conducted a 10-month experiment aboard the International Space Station (ISS) and found that honoki was the timber most suited for space applications.