

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

SAVDA
November 2023
Current Affairs



शौर्य और विवेक

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

Agartala- Akhaura Cross-Border Rail Link

- **The Agartala- Akhaura** cross-border rail link project, set to significantly **boost cross-border trade and connectivity, recently completed its successful trial run**
- A locomotive engine attached to four wagons entered Tripura, stopping at the newly constructed Nischintapur railway station

Project's Significance

- This rail link, spanning **15 kilometers (5 km in India and 10 km in Bangladesh)**, holds immense significance
- It will notably reduce the travel time between Agartala and Kolkata via Dhaka
- Currently, the rail route covers approximately 1600 kilometers and takes 38 hours to complete



Project's Significance

- Once operational, the rail link is expected to cut down travel time to approximately 10 hours
- Moreover, it will facilitate the transportation of goods trains to the northeastern region via Bangladesh, offering cost-effective logistics
- Additionally, it will provide direct access between landlocked northeastern India and Chittagong port in Bangladesh



IAF's No. 4 Squadron Replaces MiG-21 Bison with Sukhoi-30 MKI

- The **Indian Air Force's No. 4 Squadron**, based in **Rajasthan**, is undergoing a historic transition as it replaces its **MiG-21 Bison aircraft with Sukhoi-30 MKI aircraft**
- This change signifies the end of an era for the **MiG-21 Bison**, which was flown for the last time in the skies of **Barmer district at Air Force Station, Uttarlai**

Prime Minister Modi Launches 'Mera Yuva Bharat (MY Bharat)' Platform

- On October 31st, Prime Minister Shri Narendra Modi officially launched the **'Mera Yuva Bharat (MY Bharat)'** platform, dedicated to the youth of India
- This momentous initiative was introduced on **National Unity Day** and aims to empower and uplift the country's youth
- MY Bharat (MY, an acronym for Mera Yuva) is a **Phyigital (Physical+Digital) platform comprising physical activity along with an opportunity to connect digitally.**

UK Hosts Landmark AI Summit Amid Growing Global Concerns

**AI SAFETY
SUMMIT**
HOSTED BY THE UK
1-2 NOVEMBER 2023

- **The United Kingdom** is set to host a pivotal two-day **artificial intelligence (AI) summit** on November 1 and 2, bringing together government officials and companies from across the globe, including the U.S. and China
- This summit serves as **Prime Minister Rishi Sunak's** opportunity to assert the UK's position in the global AI dialogue and address AI regulation

UK Hosts Landmark AI Summit Amid Growing Global Concerns

 **AI SAFETY
SUMMIT**
HOSTED BY THE UK
1-2 NOVEMBER 2023

- The Artificial Intelligence (AI) Safety Summit 2023 held at Bletchley Park, England has marked a significant turning point in the global approach to tackling the challenges posed by frontier AI technologies
- To tackle these challenges, 28 major countries, including the United States, China, India, and the European Union, signed the Bletchley Park Declaration at this first-ever AI Safety Summit

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

UK Hosts Landmark AI Summit Amid Growing Global Concerns

 **AI SAFETY
SUMMIT**
HOSTED BY THE UK
1-2 NOVEMBER 2023

- This landmark declaration seeks to create a **collective understanding and coordinated approach to address the potential risks and benefits of advanced AI systems, known as frontier AI.**
- **Frontier AI is defined as highly capable foundation generative AI models that can produce realistic and convincing outputs, such as text, images, audio, or video, on demand.**

UK Hosts Landmark AI Summit Amid Growing Global Concerns

**AI SAFETY
SUMMIT**
HOSTED BY THE UK
1-2 NOVEMBER 2023

Bletchley Park Declaration:

- The Bletchley Park Declaration is the first global pact on tackling frontier AI risks, and it reflects a high-level political consensus and commitment among the major AI players in the world.
- It acknowledges the potential of AI to enhance human well-being but also recognizes the risks posed by AI, especially frontier AI, which may cause serious harm, either deliberate or unintentional, particularly in domains like cybersecurity, biotechnology, and disinformation.



Kozhikode and Gwalior Recognized as Creative Cities for Literature and Music

- In a significant recognition of their contributions to literature and music, **Kozhikode in Kerala and Gwalior in Madhya Pradesh** have been added to **UNESCO's prestigious list of Creative Cities**
- UNESCO announced this on October 31, which coincides with **World Cities Day**

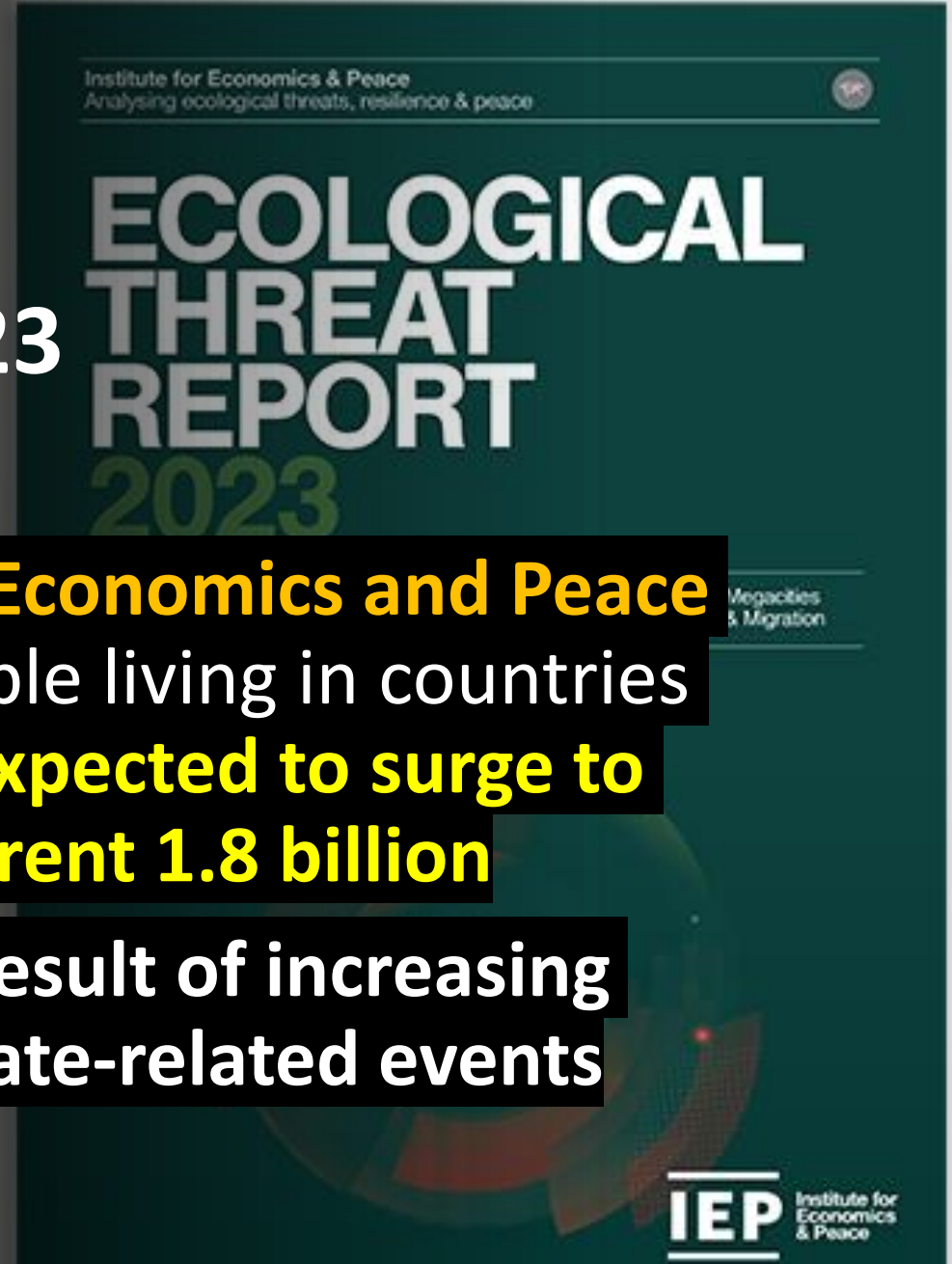
A young Buddhist monk in a maroon robe is holding a small, light-colored puppy. The background is slightly blurred, showing other people and greenery. The text is overlaid on the image.

Bhutan Achieves Milestone: Complete Sterilization and Vaccination of Stray Dog Population

- In a significant milestone for animal welfare and public health, **Bhutan** has become the **world's first country to successfully sterilize and vaccinate its entire stray dog population**
- The achievement comes after a 14-year-long dog population control program

Ecological Threat Report 2023

- A recent report by **the Institute for Economics and Peace (IEP)** warns that the number of people living in countries facing **severe ecological threats is expected to surge to 2.8 billion by 2050, up from the current 1.8 billion**
- These alarming findings come as a **result of increasing environmental challenges and climate-related events**



FOOD INDIA
2023 3rd to 5th November
Processing for Prosperity

PM Modi Inaugurates 'World Food India 2023' in New Delhi

by

SHRI NARENDRA MODI
PRIME MINISTER

- PM Modi officially opened the second edition of '**World Food India 2023**' at **Bharat Mandapam, Pragati Maidan, New Delhi** recently
- **World Food India 2023 is a gateway to the Indian food economy, facilitating partnerships between Indian and foreign investors.**
- During the inauguration, the Prime Minister also extended Seed Capital Assistance to over one lakh members of Self Help Groups (SHGs) to strengthen these groups



India Successfully Tests Pralay Tactical Ballistic Missile

- On November 7, India conducted a successful test of the **Pralay tactical ballistic missile off the coast of Odisha**
- The test marked a significant milestone as the missile covered its entire range of approximately **500 kilometers**, demonstrating its operational capabilities effectively



India Successfully Tests Pralay Tactical Ballistic Missile

- 'Pralay' is a **350-500 km short-range, surface-to-surface missile with a payload capacity of 500-1,000 kg**
- The **solid-fuel, battlefield missile** is based on the **Prithvi Defence Vehicle**. 'Pralay' has been developed for deployment along the Line of Actual Control (LAC) and Line of Control (LoC)



Rare Red Aurora Spotted in Ladakh

- The **night sky observatories of Hanle and Merak in Ladakh** recently witnessed a spectacular and rare event—a **bright red aurora**
- This is an extraordinary occurrence for India, where such phenomena are infrequent



Rare Red Aurora Spotted in Ladakh

- The rare redness in the skies and the unusual spectacle was attributed to a **Stable Auroral Red (SAR) arc, which is a rare atmospheric phenomenon that paints the sky in vivid shades of red, instead of more common green and blue lights that are typically associated with auroras at higher altitudes**
- It was due to a **geomagnetic storm caused by a solar storm**



INDUS-X Investors' Meet Precedes Indo-US 2+2 Dialogue

- In anticipation of the upcoming **2+2 Indo-US ministerial dialogue**, a key meeting under the aegis of Innovations for Defence Excellence (iDEX) of India and the US Department of Defence took place
- An ecosystem to **foster innovation & technology development in. Defence and Aerospace by engaging innovators & entrepreneurs to deliver technologically advanced solutions for modernizing Indian Military**
- This meeting marked the first INDUS-X investors' gathering and the launch of the INDUS-X Educational Series (Gurukul)

HAL and CSIR-NAL Ink ToT for Tejas Mk1A Engine Bay Doors

- **Hindustan Aeronautics Ltd (HAL)** has solidified a Transfer of Technology (ToT) agreement with CSIR-National Aerospace Laboratories (NAL) for the production of **BMI Engine Bay Doors, crucial for the LCA – Tejas Mk1A** fighter jets of the Indian Air Force
- Tejas MK-1A variant is a improved version of Tejas MK-1 with an **electronic warfare system, advanced electronically scanned array (AESA) radar, beyond visual range (BVR) missiles and a network warfare system comprising software defined radio (SDR).**



Awesome Work,
Keep up the
Momentum,
complete the work

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



Pit Latrines: Unique Microbial Ecosystems with Environmental Implications

- A recent study published in the journal **PLOS** Water sheds light on the **microbial communities within pit latrines, revealing their distinct nature compared to human microbiomes and other treatment facilities**
- **Pit latrines** are one of the most common sanitation systems worldwide, serving as repositories for excreta, anal cleansing material, flush water, and trash



Pit Latrines and Their Role

- They function **not only as storage facilities but also as biological reactors that aid in breaking down waste, reducing the risk of mismanaged waste contributing to health and environmental challenges**
- Understanding and characterizing the **microbial ecosystems within pit latrines could help develop management techniques for more rapid waste breakdown and reduced greenhouse gas emissions**



Devastating Floods Displace Thousands in Somalia and Neighboring Nations

- **Somalia, Kenya, and Ethiopia** have been grappling with a dire humanitarian crisis as they face one of the worst floods in decades
- With at least 29 lives lost and more than 300,000 people forced to evacuate their homes, the situation is dire

Devastating Floods Displace Thousands in Somalia and Neighboring Nations



Japan Gets New Island After Volcanic Eruption

- **Japan**, known for its stunning landscapes and geological activity, has recently witnessed the **birth of another island in its archipelago**
- This phenomenon occurred due to a series of volcanic eruptions near Iwoto Island in the **Ogasawara island chain**, showcasing the dynamic nature of the country's geography



Japan Gets New Island After Volcanic Eruption

- ✓ Volcanic Eruptions Give Birth to New Land
- ✓ The emergence of a new island resulted from undersea volcanic eruptions that commenced in October
- ✓ Iwoto Island, part of the Ogasawara island chain, is approximately 1,200km (745 miles) south of Tokyo
- ✓ Phreatomagmatic eruptions, which occur when magma interacts with water, created a landmass approximately 100 meters in diameter



Demand for Baler Machines

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

Demand for Baler Machines

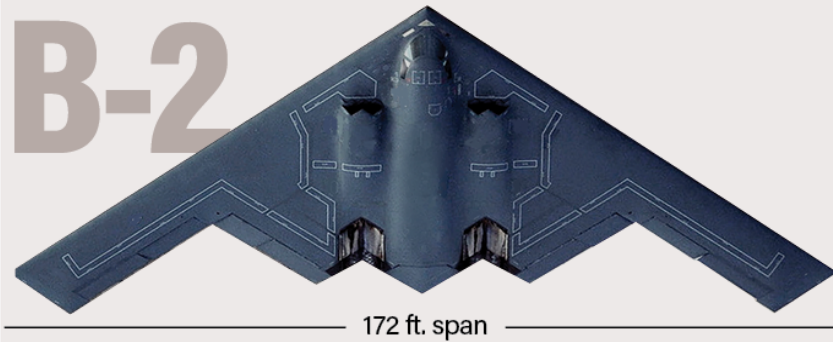
- With the Supreme Court addressing the issue of farm fires, Punjab has seen a growing demand for a machine that can help manage stubble off-site, known as ex situ stubble management
- **'Baler' machines** have been in use for over a decade in Punjab, with approximately 2,000 of them currently operating in the state
- A substantial number, **1,268, benefit from significant subsidies ranging from 50% to 80% under the Centre's Crop Residue Management (CRM) scheme**

U.S. Air Force's B-21 "Raider" Takes Its Maiden Flight

- The **U.S. Air Force's highly anticipated B-21 "Raider" bomber**, with its distinctive flying wing design, successfully completed its inaugural flight on a historic day at the **Air Force's Plant 42 in Palmdale, California**
- Developed by **Northrop Grumman**, the B-21 Raider represents the **next generation of long-range nuclear-capable stealth bombers**

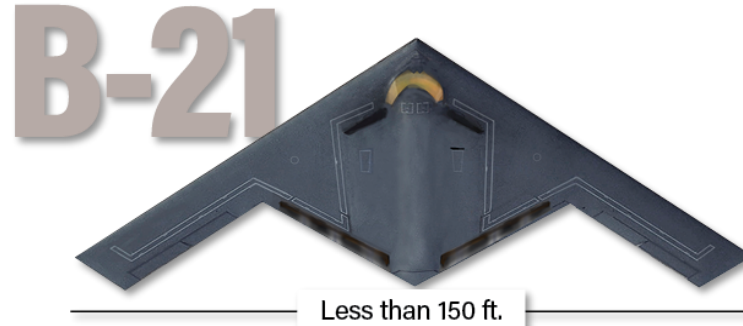
Comparing Stealth Bombers

The new B-21 Raider bears a family resemblance to the B-2 Spirit, but the two bombers will differ substantially in size, and likely their number of engines and payload. Critically, the B-21 will also be far more advanced in terms of low-observable technology—at least two generations beyond its elder stablemate. Northrop Grumman is the prime contractor for both bombers.



172 ft. span

Payload **60,000 lbs**



Less than 150 ft.

Payload **>30,000 lbs**

Illustration: Mike Tsukamoto/staff

U.S. Air Force's B-21 "Raider" Takes Its Maiden Flight



Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

An aerial photograph of a large, dark-hulled naval ship, likely a destroyer or frigate, moving through the blue waters of the Bay of Bengal. The ship is viewed from a high angle, showing its long profile and the wake it leaves behind. The water is a deep blue, and the sky is a lighter blue. The ship's superstructure is visible, including masts and various antennas.


Indian and Bangladesh Navies Conduct Bilateral Exercises in the Bay of Bengal

- The **Indian and Bangladesh navies** successfully conducted the **4th edition of bilateral exercises, Bongosagar-23**, and the **5th edition of Coordinated Patrol (CORPAT) in the northern Bay of Bengal from November 7 to 9**
- These joint exercises aimed to strengthen cooperation and interoperability between the two navies, fostering mutual understanding and enhancing disaster relief capabilities




World Bank Approves \$150 Million to Strengthen Sri Lanka's Financial Sector

- The **World Bank** has recently approved a substantial financial assistance package of **USD 150 million to bolster Sri Lanka's financial and institutional sectors**
- This support comes at a crucial time as the country grapples with a severe economic crisis



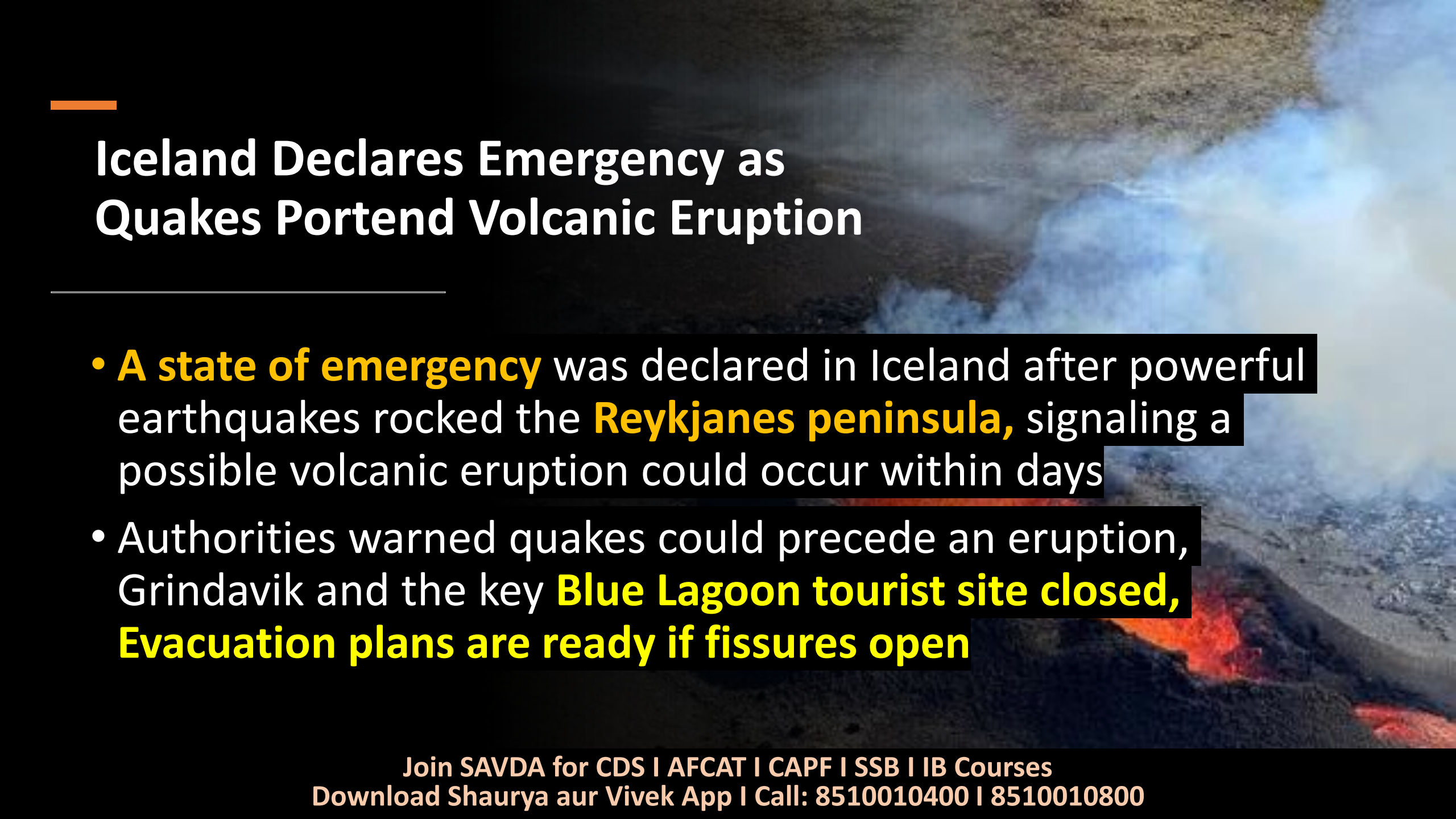
PM Modi to Launch PM-PVTG Development Mission on Birsa Munda's Birth Anniversary

- PM Modi is set to launch the **PM-PVTG Development Mission**, a significant scheme aimed at the comprehensive development of approximately **28 lakh people from Particularly Vulnerable Tribal Groups (PVTGs)**
- The mission is aimed to improve socio-economic conditions of the particularly vulnerable tribal groups (PVTGs) by saturating PVTG families and habitations with basic facilities such as **safe housing, clean drinking water and sanitation, improved access to education, health and nutrition, road and telecom connectivity, and sustainable livelihood opportunities**



PM Modi to Launch PM-PVTG Development Mission on Birsa Munda's Birth Anniversary

- The mission envisages availability of Rs.15,000 crore from the **Development Action Plan for the Scheduled Tribes, for activities to be undertaken in the next three years under the Mission**
- This momentous event is scheduled to take place on November 15, coinciding with the birth anniversary of the renowned tribal **freedom fighter Birsa Munda**
- This day has been celebrated as **“Janjatiya Gaurav Diwas” for the past three years**



Iceland Declares Emergency as Quakes Portend Volcanic Eruption

- **A state of emergency** was declared in Iceland after powerful earthquakes rocked the **Reykjanes peninsula**, signaling a possible volcanic eruption could occur within days
- Authorities warned quakes could precede an eruption, Grindavik and the key **Blue Lagoon tourist site closed**, **Evacuation plans are ready if fissures open**



International Efforts to Combat Illegal Trade and Protect Jaguars and Big Cats

- Parties to the **Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)** have come together to combat the **illegal trade of jaguar parts and derivatives and to address the issue of poaching through coordinated enforcement efforts**
- These important decisions were made during the CITES meeting held in **Cuiaba, Brazil in September 2023**



International Efforts to Combat Illegal Trade and Protect Jaguars and Big Cats

- The **Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)** is an international agreement that aims to ensure that international trade in specimens of wild animals and plants does not threaten the survival of the species



Israel Sells Air Defense System to Finland Amid Conflict in Gaza

- As Israel continues heavy airstrikes in Gaza that have killed over 200, it has announced a major air defense system (**David's Sling air defence system**) sale to new **NATO member Finland worth over 300 million euros**
- **It is designed to intercept enemy planes, drones, tactical ballistic missiles, medium- to long-range rockets and cruise missiles, fired at ranges from 40 to 300 km (25 to 190 mi)**
- **David's Sling is meant to replace the MIM-23 Hawk and MIM-104 Patriot in the Israeli arsenal.**

An aerial photograph of a large, dark-hulled naval ship, likely a destroyer or frigate, moving across the blue waters of the Bay of Bengal. The ship is viewed from a high angle, showing its long profile and the wake it leaves behind. The sky is clear and blue.


Indian and Bangladesh Navies Conduct Bilateral Exercises in the Bay of Bengal

- The **Indian and Bangladesh navies** successfully conducted the **4th edition of bilateral exercises, Bongosagar-23**, and the **5th edition of Coordinated Patrol (CORPAT) in the northern Bay of Bengal from November 7 to 9**
- These joint exercises aimed to strengthen cooperation and interoperability between the two navies, fostering mutual understanding and enhancing disaster relief capabilities




World Bank Approves \$150 Million to Strengthen Sri Lanka's Financial Sector

- The **World Bank** has recently approved a substantial financial assistance package of **USD 150 million to bolster Sri Lanka's financial and institutional sectors**
- This support comes at a crucial time as the country grapples with a severe economic crisis



PM Modi to Launch PM-PVTG Development Mission on Birsa Munda's Birth Anniversary

- PM Modi is set to launch the **PM-PVTG Development Mission**, a significant scheme aimed at the comprehensive development of approximately **28 lakh people from Particularly Vulnerable Tribal Groups (PVTGs)**
- The mission is aimed to improve socio-economic conditions of the particularly vulnerable tribal groups (PVTGs) by saturating PVTG families and habitations with basic facilities such as **safe housing, clean drinking water and sanitation, improved access to education, health and nutrition, road and telecom connectivity, and sustainable livelihood opportunities**



PM Modi to Launch PM-PVTG Development Mission on Birsa Munda's Birth Anniversary

- The mission envisages availability of Rs.15,000 crore from the **Development Action Plan for the Scheduled Tribes, for activities to be undertaken in the next three years under the Mission**
- This momentous event is scheduled to take place on November 15, coinciding with the birth anniversary of the renowned tribal **freedom fighter Birsa Munda**
- This day has been celebrated as **"Janjatiya Gaurav Diwas" for the past three years**



Iceland Declares Emergency as Quakes Portend Volcanic Eruption

- **A state of emergency** was declared in Iceland after powerful earthquakes rocked the **Reykjanes peninsula**, signaling a possible volcanic eruption could occur within days
- Authorities warned quakes could precede an eruption, Grindavik and the key **Blue Lagoon tourist site closed**, **Evacuation plans are ready if fissures open**



International Efforts to Combat Illegal Trade and Protect Jaguars and Big Cats

- Parties to the **Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)** have come together to combat the **illegal trade of jaguar parts and derivatives and to address the issue of poaching through coordinated enforcement efforts**
- These important decisions were made during the CITES meeting held in **Cuiaba, Brazil in September 2023**



International Efforts to Combat Illegal Trade and Protect Jaguars and Big Cats

- The **Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)** is an international agreement that aims to ensure that international trade in specimens of wild animals and plants does not threaten the survival of the species



Israel Sells Air Defense System to Finland Amid Conflict in Gaza

- As Israel continues heavy airstrikes in Gaza that have killed over 200, it has announced a major air defense system (**David's Sling air defence system**) sale to new **NATO member Finland worth over 300 million euros**
- **It is designed to intercept enemy planes, drones, tactical ballistic missiles, medium- to long-range rockets and cruise missiles, fired at ranges from 40 to 300 km (25 to 190 mi)**
- **David's Sling is meant to replace the MIM-23 Hawk and MIM-104 Patriot in the Israeli arsenal.**

The background of the slide features the logo of the Asian Development Bank (ADB). The logo consists of a stylized, golden laurel wreath arching over the words "ASIAN DEVELOPMENT BANK" in a bold, golden, sans-serif font. The entire logo is set against a dark, slightly blurred background of a building facade.

India Signs USD 400 Million Loan Agreement with ADB to Boost Urban Reform Agenda

- The central government of India has inked a significant **USD 400 million** policy-based loan agreement with the **Asian Development Bank (ADB)** to support its urban reform agenda
- The agreement aims to enhance urban infrastructure, service delivery, and governance systems



Indian Government Launches AAINA Dashboard for Cities

- On November 13, the Central government unveiled a groundbreaking web portal that is set to become a **permanent repository for various data concerning Indian cities**



Indian Government Launches AINA Dashboard for Cities

- Named the **'AINA Dashboard for Cities,'** this initiative, led by the Union Housing and Urban Affairs Ministry, aims to establish a comprehensive database of key performance metrics for **Urban Local Bodies (ULBs)**
- Once populated, this **database will be accessible to all stakeholders and eventually made available for public viewing**

National Urban

Government Considers Expanding DAY-NULM

- The Indian government is contemplating the launch of a second phase of the **Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM)**, which is scheduled to conclude in **March 2024**
- This potential expansion aims to specifically target the **migrant population residing in urban areas, as revealed by government sources**



National Urban

Government Considers Expanding DAY-NULM

- National Urban Livelihoods Mission scheme was launched by the **Ministry of Housing and Urban Poverty Alleviation, Government of India on September 24th, 2013.**
- NULM replaced the **existing Swarna Jayanti Shahari Rozgar Yojana (SJSRY)** and is known as **Rashtriya Shahri Aajeevika Mission in Hindi**
- It is a scheme under the Ministry of Housing and Urban Affairs that focuses on **reducing poverty and vulnerability of the urban poor households**

A photograph of Defence Minister Rajnath Singh, an elderly man with a balding head, wearing a dark suit and a white shirt. He is looking slightly to the right of the camera with a serious expression. The background is dark and out of focus, showing other people in a meeting setting.

Defence Minister Rajnath Singh to Attend ASEAN Defence Ministers' Meeting-Plus

- **Defence Minister Rajnath Singh** is set to embark on an official visit to **Jakarta** on November 16 and 17
- His visit is in connection with the 10th Association of **South East Asian Nations (ASEAN) Defence Ministers' Meeting-Plus (ADMM-Plus)**
- ❖ Indonesia hosted the meeting as the chair of ADMM-Plus
- ❖ The meeting comes at a time of escalated fighting in Myanmar between the Army and insurgent groups, with Myanmar refugees coming into Mizoram in India



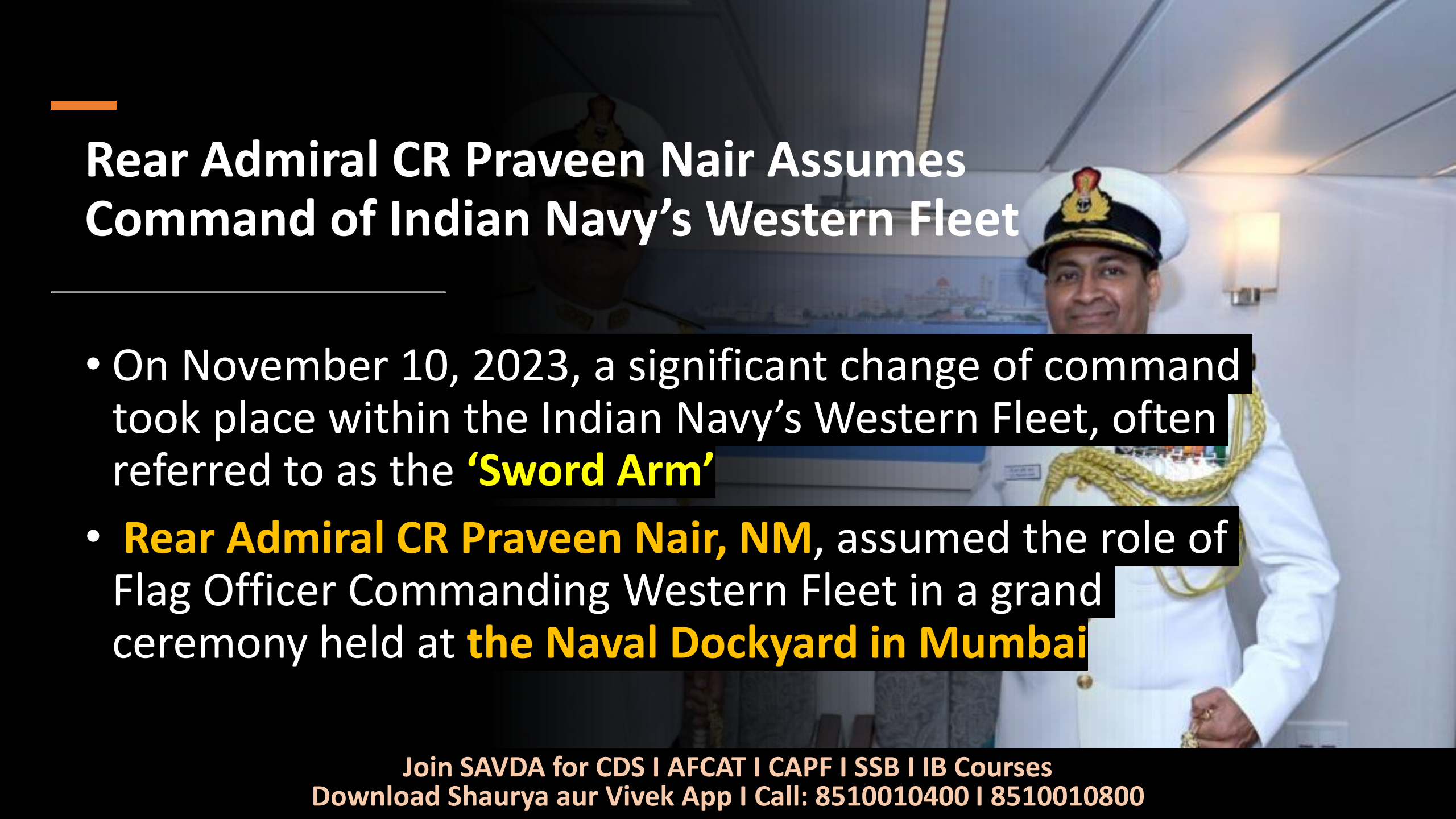
Smart Cities Mission Progress

- As the deadline for the Smart Cities Mission in India approaches in June 2024, cities in states like **Gujarat, Uttar Pradesh, Madhya Pradesh, Karnataka, Tamil Nadu, and Rajasthan** have emerged as the top performers
- These cities are leading in terms of **project completion and financial progress**



Smart Cities Mission Progress

- SCM was launched in June 2015 with the objective of promoting cities that provide core infrastructure and give a **decent quality of life to its citizens, a clean and sustainable environment and application of 'smart' solutions**
- The purpose of the Mission is to ***“drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to smart outcomes”.***
- Models of development followed in smart cities were **expected to act as replicable models in other aspiring cities**

A photograph of Rear Admiral CR Praveen Nair in his white naval uniform, including a white cap with a gold emblem and gold braided cords on his shoulders. He is standing in a well-lit room, possibly a ship's interior, with a framed picture on the wall behind him.

Rear Admiral CR Praveen Nair Assumes Command of Indian Navy's Western Fleet

- On November 10, 2023, a significant change of command took place within the Indian Navy's Western Fleet, often referred to as the **'Sword Arm'**
- **Rear Admiral CR Praveen Nair, NM**, assumed the role of Flag Officer Commanding Western Fleet in a grand ceremony held at **the Naval Dockyard in Mumbai**

Indo-Pacific Regional Dialogue (IPRD) 2023

- The annual **Indo-Pacific Regional Dialogue (IPRD)**, an apex-level international conference organized by the Indian Navy, is set to take place in **New Delhi from November 15 to 17, 2023**
- This prestigious event features a distinguished lineup of speakers and aims to address **crucial maritime security and connectivity issues in the Indo-Pacific region**

APEC Leaders' Week in San Francisco

- The Asia-Pacific Economic Cooperation (APEC) Leaders' Week, taking place in **San Francisco**, has garnered significant attention as it hosts the first in-person meeting in a year **between US President Joe Biden and China's President Xi Jinping**
- The meeting is set to address the **ongoing tensions and trade disputes between the two nations, with the US-China relationship being a major focal point of the summit**

Dominica Creates World's First Marine Protected Area for Sperm Whales

- The tiny **Caribbean island of Dominica** is making history by establishing the world's first **marine protected area** dedicated to safeguarding the endangered sperm whale
-





Dominica Creates World's First Marine Protected Area for Sperm Whales

- This groundbreaking initiative aims to protect these magnificent creatures while also contributing to the fight against climate change
- Nearly 300 sq miles (800 sq km) of **royal blue waters on the western side of the island nation that serve as key nursing and feeding grounds will be designated as a reserve**

New Gecko Species Discovered in Mizoram

- Researchers have recently identified a new species of **gecko (small, mostly carnivorous lizards) in India**, specifically in the town of **Vairengte in Mizoram**
- Named '**Cyrtodactylus vairengtensis**' after its place of discovery, this gecko species is characterized by distinct features, particularly the **number of femoral pores, setting it apart from other members of the Cyrtodactylus family**



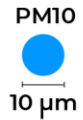
Hyderabad's Sadar Festival: A Carnival Celebrating Buffalo Cattle

- **Hyderabad** is gearing up for the annual **Sadar festival**, a lively celebration centered around buffalo cattle, held every year on the second day after Diwali
- This vibrant festival is a cherished tradition of the Yadav community and is also known as **Dunnapothula Panduga**, it serves as a significant occasion for community bonding and merriment in villages and towns

Post-Diwali Air Quality Worsens in Indian Cities, Delhi Tops the List

- The aftermath of Diwali has witnessed deteriorating air quality in nine out of eleven Indian cities compared to the previous year, with **Delhi ranking at the highest level of pollution**, according to data from the **National Clean Air Campaign (NCAP) Tracker**
- While **unseasonal rains before Diwali temporarily improved air quality** in major cities like Delhi, Mumbai, and Chennai, the Supreme Court's firecracker ban violations led to a spike in air pollution on November 12, reaching hazardous levels in various areas

EFFECTS OF AIR POLLUTION ON HUMAN BODY



Size comparison between human hair PM10 and PM2.5

Fine particles (PM2.5)

Pollution can cause:

- Shortness of breath
- Wheezing, coughing
- Chest pain
- Fatigue

Fine particles can make these conditions worse:

- Cardiovascular and heart disease
- Asthma and COPD

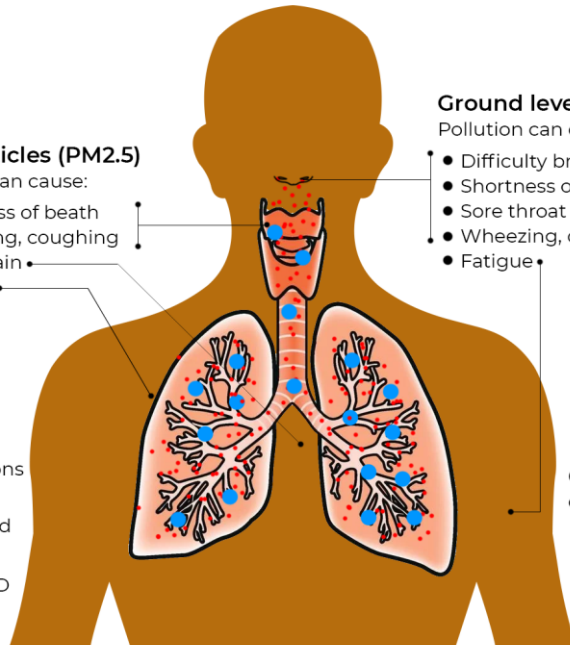
Ground level zone

Pollution can cause:

- Difficulty breathing deeply
- Shortness of breath
- Sore throat
- Wheezing, coughing
- Fatigue

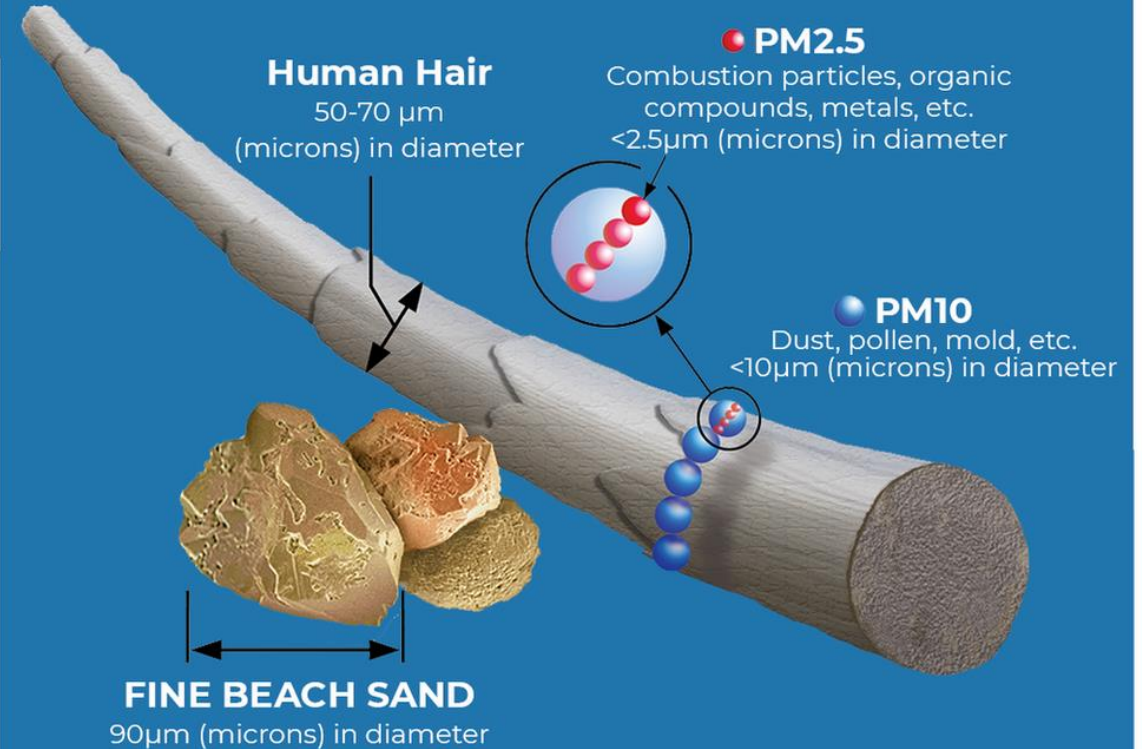
Ozone can make these conditions worse:

- Asthma and COPD
- Emphysema



www.devic-earth.com

SIZE OF PM2.5 AND PM10



Source: United States Environmental Protection Agency

www.devic-earth.com

PM 2.5 & PM 10
Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



First Unit of 30 MW at Naitwar Mori Hydro Electric Project Begins Power Supply

- State-run power producer SJVN has achieved a significant milestone as the first unit of the 30 MW capacity at the **Naitwar Mori Hydro Electric Project (NMHEP)** commenced supplying power to the national electricity grid
- This development marks a **crucial step in enhancing the region's power infrastructure**

India International Science Festival 2023

- The **9th edition of the India International Science Festival (IISF)** 2023 is set to take place in **Faridabad, Haryana**, from January 17th to January 20th, 2024
- The aim is to engage the public with science and celebrate the joy of science and show the ways how **science, technology, engineering and mathematics (STEM)** provide us with the solutions to improve our lives

India International Science Festival 2023

- This prominent science fair will be hosted at the Campus of Translational Health Science and Technology Institute (THSTI) and Regional Centre for Biotechnology (RCB) under the Department of Biotechnology
- The theme for the 9th edition of IISF is **'Science and Technology Public Outreach in Amrit Kaal'**



Indian Navy's Diplomatic Mission in West Africa and the Atlantic

- As part of the Indian Navy's strategic mission-based deployment to **West Africa and the Atlantic, INS Sumedha** made a significant port call at **Walvis Bay, Namibia**, from November 10-13, 2023
- This diplomatic initiative underscores **India's commitment to enhancing maritime security, strengthening ties with Namibia, and showing solidarity with its allies in the region**



NISAR Mission Advances with Key Testing Milestones

- The **NASA-ISRO Synthetic Aperture Radar (NISAR) mission**, a collaborative effort between **NASA and ISRO**, is making significant progress as it prepares for its scheduled launch in the first quarter of 2024
- Scientists and engineers working on the mission have successfully completed critical tests, including thermal vacuum testing, bringing them one step closer to their mission goals

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses

Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



What is NISAR Mission?

- NISAR is a joint **Earth-observing mission between NASA and the Indian Space Research Organization (ISRO)**
- NASA and ISRO are providing **two radars that are optimized each in their own way to allow the mission to observe a wider range of changes than either one alone**

The background of the slide is a photograph of a satellite antenna in space. The antenna is a long, cylindrical structure with a complex internal lattice structure, extending diagonally from the top left towards the center. The background is the dark void of space, with a thin, curved horizon of Earth visible on the right side, showing a blue sky and white clouds. A small orange horizontal bar is located in the top left corner.

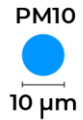
What is NISAR Mission?

- **NISAR** will be the **first radar of its kind in space to systematically map Earth**, using two different radar frequencies (**L-band and S-band**) to **measure changes of our planet's surface, including movements as small as centimeter**
- **Synthetic aperture radar (SAR) refers to a technique for producing fine-resolution images from a resolution-limited radar system**

Post-Diwali Air Quality Worsens in Indian Cities, Delhi Tops the List

- The aftermath of Diwali has witnessed deteriorating air quality in nine out of eleven Indian cities compared to the previous year, with **Delhi ranking at the highest level of pollution**, according to data from the **National Clean Air Campaign (NCAP) Tracker**
- While unseasonal rains before Diwali temporarily improved air quality in major cities like Delhi, Mumbai, and Chennai, the Supreme Court's firecracker ban violations led to a spike in air pollution on November 12, reaching hazardous levels in various areas

EFFECTS OF AIR POLLUTION ON HUMAN BODY



Size comparison between human hair PM10 and PM2.5

Fine particles (PM2.5)

Pollution can cause:

- Shortness of breath
- Wheezing, coughing
- Chest pain
- Fatigue

Fine particles can make these conditions worse:

- Cardiovascular and heart disease
- Asthma and COPD

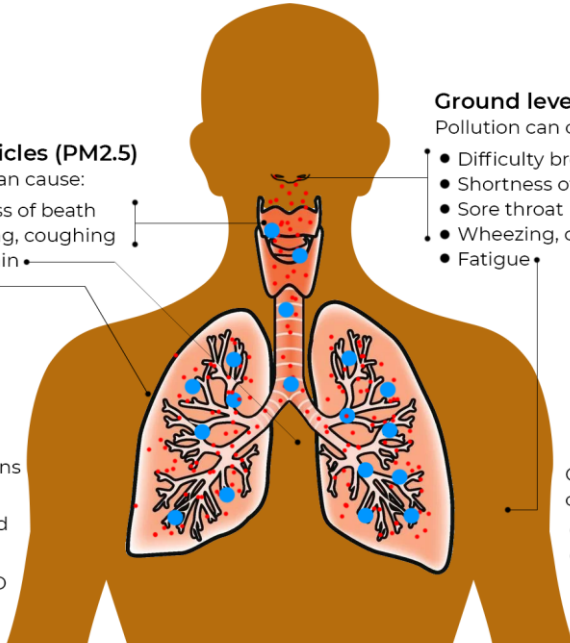
Ground level zone

Pollution can cause:

- Difficulty breathing deeply
- Shortness of breath
- Sore throat
- Wheezing, coughing
- Fatigue

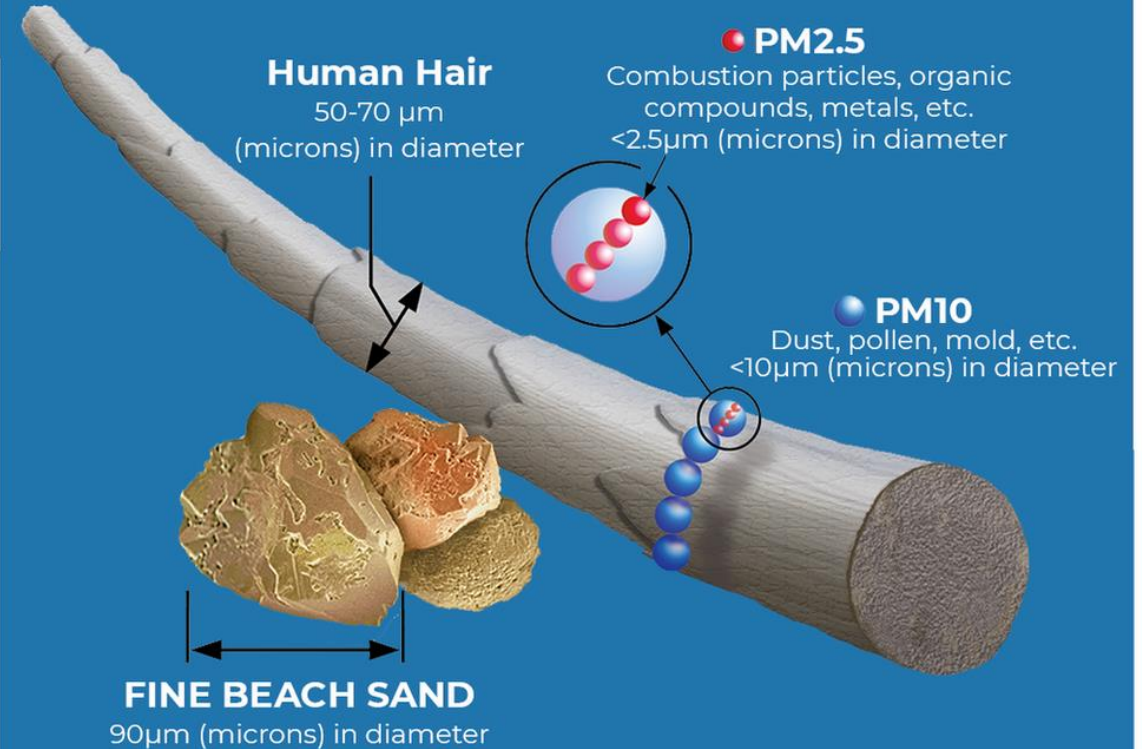
Ozone can make these conditions worse:

- Asthma and COPD
- Emphysema



www.devic-earth.com

SIZE OF PM2.5 AND PM10



Source: United States Environmental Protection Agency

www.devic-earth.com

PM 2.5 & PM 10
Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



First Unit of 30 MW at Naitwar Mori Hydro Electric Project Begins Power Supply

- State-run power producer SJVN has achieved a significant milestone as the first unit of the 30 MW capacity at the **Naitwar Mori Hydro Electric Project (NMHEP)** commenced supplying power to the national electricity grid
- This development marks a **crucial step in enhancing the region's power infrastructure**



Awesome Work,
Keep up the
Momentum,
complete the
Current Affairs

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

India International Science Festival 2023

- The **9th edition of the India International Science Festival (IISF)** 2023 is set to take place in **Faridabad, Haryana**, from January 17th to January 20th, 2024
- The aim is to engage the public with science and celebrate the joy of science and show the ways how **science, technology, engineering and mathematics (STEM)** provide us with the solutions to improve our lives

India International Science Festival 2023

- This prominent science fair will be hosted at the Campus of Translational Health Science and Technology Institute (THSTI) and Regional Centre for Biotechnology (RCB) under the Department of Biotechnology
- The theme for the 9th edition of IISF is **'Science and Technology Public Outreach in Amrit Kaal'**



Indian Navy's Diplomatic Mission in West Africa and the Atlantic

- As part of the Indian Navy's strategic mission-based deployment to **West Africa and the Atlantic, INS Sumedha** made a significant port call at **Walvis Bay, Namibia**, from November 10-13, 2023
- This diplomatic initiative underscores **India's commitment to enhancing maritime security, strengthening ties with Namibia, and showing solidarity with its allies in the region**



NISAR Mission Advances with Key Testing Milestones

- The **NASA-ISRO Synthetic Aperture Radar (NISAR) mission**, a collaborative effort between **NASA and ISRO**, is making significant progress as it prepares for its scheduled launch in the first quarter of 2024
- Scientists and engineers working on the mission have successfully completed critical tests, including thermal vacuum testing, bringing them one step closer to their mission goals



What is NISAR Mission?

- NISAR is a joint **Earth-observing mission between NASA and the Indian Space Research Organization (ISRO)**
- NASA and ISRO are providing **two radars that are optimized each in their own way to allow the mission to observe a wider range of changes than either one alone**



What is NISAR Mission?

- **NISAR** will be the **first radar of its kind in space to systematically map Earth**, using two different radar frequencies (**L-band and S-band**) to measure changes of our planet's surface, including movements as small as centimeter
- **Synthetic aperture radar (SAR) refers to a technique for producing fine-resolution images from a resolution-limited radar system**

'Amini': Arnala Class Ship for Indian Navy

- Recently, the latest addition to the **Indian Navy's fleet, 'Amini,'** an Arnala class ship, was launched at **L&T Shipbuilding's** facility in **Kattupalli, Tamil Nadu**
- **Amini,** the fourth in the series of **08 x ASW Shallow Water Craft (SWC)** projects, is a creation of the state-owned **Garden Reach Shipbuilders & Engineers Ltd (GRSE)**
- This ship is specifically designed for **anti-submarine operations in coastal waters, as well as low intensity maritime operations (LIMO) and mine laying operations**

A banner for the Joint Military Exercise MITRA SHAKTI - IX is visible in the background. The banner is blue with white text. In the foreground, two military officers are shaking hands. The officer on the right is wearing a green and brown camouflage uniform and a black turban with a gold emblem. The officer on the left is wearing a dark uniform. The background shows a building with a red and green sign.

Joint Military Exercise MITRA SHAKTI-2023 Kicks Off

- The ninth edition of the Joint Military exercise “Exercise MITRA SHAKTI-2023” has officially commenced in **Aundh (Pune)**, running from 16th to 29th November 2023
- The exercise brings together the **Indian and Sri Lankan armed forces for collaborative training and strategic cooperation**



The Voice of Global South Summit

- **The 2nd Voice of Global South Summit (VOGSS)**, held virtually with participation from about **130 countries**, focused on a shared commitment to **avoiding situations where development initiatives lead to a debt trap**
- The Summit is an **initiative of the Government of India aimed at providing a common platform for the countries of Global South to share their perspectives and priorities**
- The overarching theme of the Summit is ***“Together for Everyone's Growth with Everyone's Trust”***.

Landmark U.S.- China Climate Deal

- **The United States and China** jointly announced a groundbreaking **climate agreement** recently
- The deal aims to **significantly increase clean energy, displace fossil fuels, and reduce greenhouse gas emissions**, marking a crucial step in combating global warming



Cambridge Dictionary's Word of the Year: "Hallucinate"

- **The Cambridge Dictionary has chosen "hallucinate" as its Word of the Year for 2023**, citing the additional meaning gained in the context of generative AI tools, such as ChatGPT and Bard, that use large language models (LLMs)
- ***"To seem to see, hear, feel, or smell something that does not exist, usually because of a health condition or because you have taken a drug."*** This used to be the definition of 'hallucinate' in the Cambridge Dictionary prior to 2023.



Cambridge Dictionary's Word of the Year: "Hallucinate"

- The Cambridge Dictionary, this year, made the following addition to its definition: ***"When an artificial intelligence hallucinates, it produces false information."***



US and Philippines Sign Nuclear Technology Deal to Boost Energy Independence

- **The United States and the Philippines** signed a landmark deal allowing Washington to **export nuclear technology and materials to Manila**



US and Philippines Sign Nuclear Technology Deal to Boost Energy Independence

- The agreement is a ***significant step in supporting the Philippines' exploration of nuclear power to enhance decarbonization and energy independence***
- The deal enables the ***United States to share equipment and materials as the Philippines develops small modular reactors and other civilian nuclear energy infrastructure***



Surya Kiran Aerobatic Team to Shine Before India vs Australia ICC World Cup Final

- **The Indian Air Force's renowned Surya Kiran aerobatic team** is set to enthrall spectators with a ten-minute air show before the highly anticipated **India vs Australia ICC World Cup final on November 19 at the Narendra Modi Stadium**
- The team, featuring a fleet of ***nine Hawk aircraft, will showcase captivating aerial manoeuvres, adding an extra dimension to the cricketing spectacle***



Surya Kiran Aerobatic Team to Shine Before India vs Australia ICC World Cup Final

- **Surya Kiran is an aerobatics demonstration team of the Indian Air Force**
- **The Surya Kiran Aerobatic Team was formed in 1996 and are a part of the 52nd Squadron of the IAF**
- **The team has since performed numerous demonstrations usually with nine aircraft.**



Rescue Efforts in Silkyara-Barkot Tunnel: Authorities Unveil Five-Point Plan

- As the challenging rescue mission continues for the **41 workers trapped in the under-construction Silkyara-Barkot tunnel in Uttarkashi**, authorities have devised a comprehensive five-point plan
- The plan involves ***drilling operations from multiple angles to expedite the rescue operation, which has faced setbacks in the past week***

Global Fisheries Conference India 2023

- Union Fisheries Minister Parshottam Rupala is set to inaugurate the **two-day Global Fisheries Conference India 2023 in Ahmedabad**
- Under the theme ***'Celebrating Fisheries and Aquaculture Wealth,'*** the conference aims to bring together key stakeholders for fruitful discussions, market insights, and networking

USI Annual UN Forum 2023 Focuses on International Humanitarian Law and Peacekeeping



- **The United Service Institution of India (USI)**, established in 1870 as the country's oldest think-tank dedicated to national security and military affairs, is set to host its **Annual UN Forum 2023 in New Delhi on November 21-22**
- This year's forum will delve into the critical theme of **'International Humanitarian Law and Peacekeeping'**

A close-up portrait of Perumal Murugan, an elderly man with grey hair and a beard, wearing a grey shirt. The background is a soft-focus green outdoor setting.

Perumal Murugan's 'Fire Bird' Clinches 2023 JCB Prize for Literature

- Tamil writer **Perumal Murugan's novel 'Fire Bird,'** skillfully translated into **English by Janani Kannan,** emerged victorious at the **2023 JCB (Joseph Cyril Bamford Excavators Ltd.) Prize for Literature**
- The prestigious award was announced in New Delhi, with the book published by **Penguin Random House India**
- **Fire Bird is a masterfully crafted tale of one man's search for the elusive concept of permanence**



11th Edition of International Tourism Mart

- A three-day mega event is set to kick off in **Shillong, Meghalaya**, aiming to showcase the **tourism potential of India's northeast region**
- Union Minister G Kishan Reddy is scheduled to inaugurate the **11th edition of the International Tourism Mart (ITM)**
- **The Tourism Mart in Meghalaya to showcase North East's tourism potential**



CII India-Nordic-Baltic Business Conclave

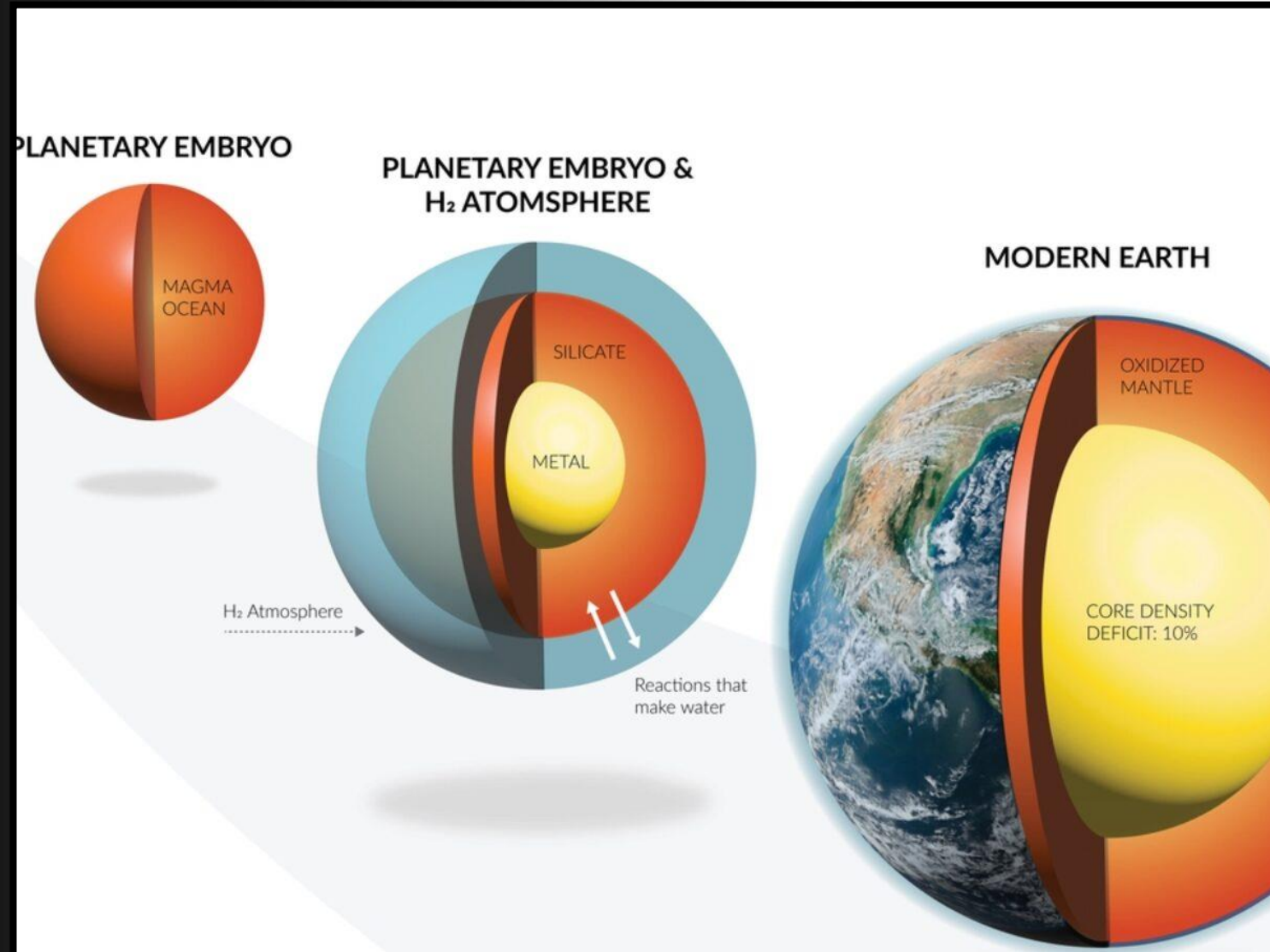
- The **Nordic Baltic Eight (NB8)**, consisting of **Denmark, Estonia, Finland, Iceland, Latvia, Lithuania, Norway, and Sweden**, stands as an innovation and technological powerhouse
- With India's increasing emphasis on **technology, significant opportunities for partnerships between the two geographies emerge, promising substantial future growth**



Enigmatic E Prime Layer Discovered in Earth's Core

- An international team of researchers, including scientists from **Arizona State University (ASU)**, has uncovered a mysterious layer, known as the **E prime layer**, at the **outermost part of Earth's core**
- This discovery is attributed to the **penetration of surface water deep into the planet, leading to alterations in the composition of the metallic liquid core's outermost region**

Enigmatic E Prime Layer Discovered in Earth's Core



Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



You're doing
fantastic! Keep up the
amazing work and
let's finish strong!

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

India-Australia 2+2 Ministerial Dialogue

- India and Australia held the second **India-Australia 2+2 Ministerial Dialogue**, focusing on elevating defence cooperation and expanding the **strategic relationship in critical sectors such as trade, investment, and critical minerals**
- They discussed a wide range of **strategic, defence and security issues**
- It covered **bilateral, regional and global matters of mutual interest, to further advance cooperation under the India-Australia Comprehensive Strategic Partnership**

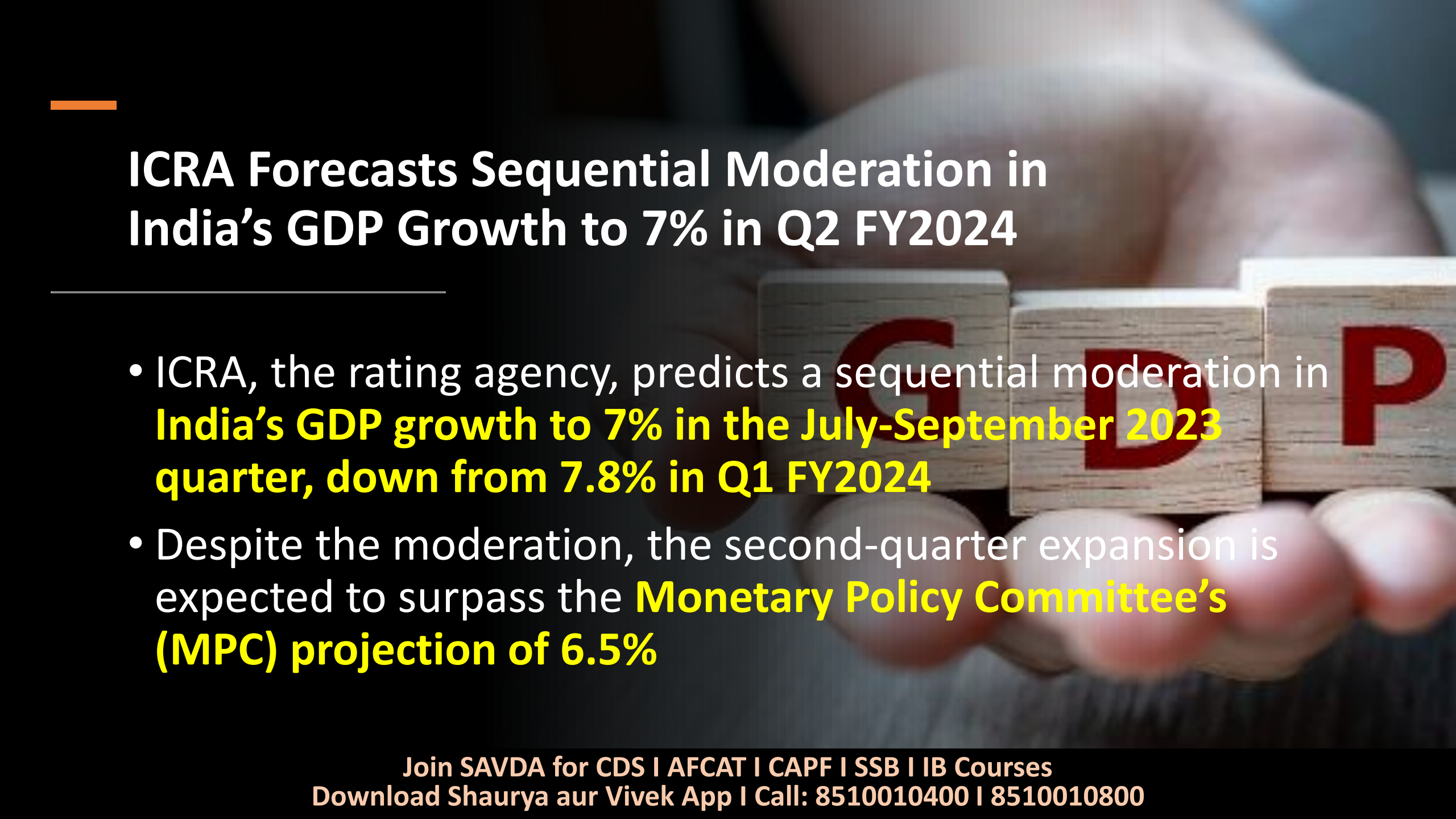
Vajra Prahar 2023

- A collaborative military exercise between the special forces of **India and the United States**, named '**Vajra Prahar 2023**,' has commenced at **Meghalaya's Umroi Cantonment**
- This marks the **14th** edition of the **joint exercise, emphasizing the exchange of best practices and experiences in areas such as joint mission planning and operational tactics, according to a statement from a Defence spokesperson**



UNEP's 14th Emissions Gap Report 2023

- **The United Nations Environment Programme (UNEP)** recently released its **14th Emissions Gap Report 2023**, revealing a bleak outlook for **limiting global warming to 1.5 degrees Celsius**
- With the **most optimistic climate action projects**, there is **only a 14% chance of achieving this target**



ICRA Forecasts Sequential Moderation in India's GDP Growth to 7% in Q2 FY2024

- ICRA, the rating agency, predicts a sequential moderation in **India's GDP growth to 7% in the July-September 2023 quarter, down from 7.8% in Q1 FY2024**
- Despite the moderation, the second-quarter expansion is expected to surpass the **Monetary Policy Committee's (MPC) projection of 6.5%**



Rare Metal Tantalum Discovered in Punjab Soil

- A team led by **Dr. Resmi Sebastian**, assistant professor at the institute's Civil Engineering Department (Indian Institute of Technology (IIT), Ropar), has discovered **tantalum, a rare metal, in Punjab soil (Sutlej river sand in Punjab)**
- This discovery holds **significance not only for Punjab but for India, given tantalum's widespread use in electronics and semiconductors**



Properties of Tantalum

- ✓ Tantalum, with the **atomic number 73**, is a **grey, heavy, and highly corrosion-resistant metal**
- ✓ It is known for its **hardness and ductility**, allowing it to be stretched into thin wires without breaking



Properties of Tantalum

- ✓ Tantalum's corrosion resistance is attributed to the formation of a **highly resistant oxide layer** when exposed to air
- ✓ It is almost completely immune to **chemical attack at temperatures below 150°C** and is attacked only by specific **corrosive substances, such as hydrofluoric acid and certain acidic solutions**



JUICE Probe's Groundbreaking Journey to Jupiter: A Double Gravity Assist

- **The European Space Agency's (ESA) Jupiter Icy Moons Explorer (JUICE)** probe is embarking on an unprecedented journey, utilizing a **double gravity assist from Earth and the Moon to propel itself towards Jupiter**
- Launched earlier this year, the spacecraft's primary mission is to study **Jupiter along with its three intriguing moons – Ganymede, Callisto, and Europa**

NASA's Atmospheric Waves Experiment (AWE)

- **NASA is set to launch the Atmospheric Waves Experiment (AWE)**, a pioneering mission aimed at studying the **interactions between terrestrial and space weather**
- This **\$42 million** mission, planned under **NASA's Heliophysics Explorers Program**, will focus on **understanding the impact of waves in the lower layers of Earth's atmosphere on the upper atmosphere and space weather**



Gujarat Government Chooses the Ghol as the State Fish

- In a significant move, the **Gujarat government** has selected **the ghol** as its **official state fish**, emphasizing both its **economic importance and distinctiveness**
- This decision is part of the **state's commitment to contribute to the conservation of this rare fish species**, primarily found in the **vast Indo-Pacific region extending from the Persian Gulf to the Pacific Ocean**



Scientists Detect Radiation from Extra-Galactic Black Hole Source

- Researchers from the **U. R. Rao Satellite Centre (URSC) of ISRO and the Indian Institute of Technology Guwahati (IITG)** have achieved a groundbreaking feat by **detecting radiation from an extra-galactic black hole source**
- This unprecedented discovery, made possible through **X-ray polarimetry, sheds light on the previously unknown aspects of extragalactic black holes, offering insights into the underlying physical processes**



CCRAS Launches “Ayurveda Gyan Naipunya Initiative” (AGNI)

- The Central Council for Research in Ayurveda Sciences (CCRAS), under the Ministry of Ayush, has introduced the **“Ayurveda Gyan Naipun Initiative” (AGNI)** to bolster research, scientific validation, and evidence-based practices in Ayurveda
- The initiative invites qualified Ayurveda practitioners to express their interest in contributing to the project by submitting the Expression of Interest by December 15, 2023



Indian Armed Forces Contingent Heads for Joint Military Exercise AUSTRAHIND-23

- An Indian Armed Forces contingent comprising 81 personnel has departed for Australia to participate in the **second edition of the Joint Military Exercise AUSTRAHIND-23**

A large military transport aircraft, likely a C-17 Globemaster III, is parked on a tarmac. The aircraft is the central focus, with its four engines and high-wing configuration clearly visible. In the foreground, a group of soldiers in camouflage uniforms are standing in formation. The background shows a clear sky and some airport infrastructure. The overall scene is a military airfield.

Indian Armed Forces Contingent Heads for Joint Military Exercise AUSTRAHIND-23

- The exercise is scheduled to take place in from November 22 to December 6
- The Ministry of Defence (MoD) highlighted that the joint exercise aims to facilitate the exchange of ideas and the joint rehearsal of tactics, techniques, and procedures for tactical operations

India Hosts ASEAN-India Millets Festival in Jakarta

- India has launched a five-day **“ASEAN-India Millets Festival”** in **Jakarta, Indonesia**, aimed at raising awareness about millets as a farmer-friendly and sustainable food choice
- Organized by the Indian Mission to ASEAN and the Ministry of Agriculture and Farmers’ Welfare, the festival features a **millet-centric exhibition with participation from Millet-based Farmer Producer Organizations (FPOs), start-ups, and Indian chefs**

A large white Indian Naval Ship, the Sumedha, is shown at sea. The ship is viewed from an elevated angle, showing its complex superstructure with various masts, antennas, and radar equipment. The ship's hull is white, and it has a dark grey or black hull number '54' visible on the side. The ship is moving through the water, leaving a white wake. The background is a clear blue sky and a deep blue sea.

Indian Naval Ship Sumedha's Diplomatic Voyage to Mozambique

- Underlining India's commitment to bolstering diplomatic ties and maritime cooperation, the Indian naval ship **Sumedha** made a significant port call to **Maputo, Mozambique** on November 21 as part of its extended operational deployment to **Africa**
- **Port of call means an intermediate stop for a ship on its scheduled journey for cargo operation or transporting supplies or fuel**



Inter Command Ocean Sailing Race 2023

- In a vibrant celebration of maritime skill and adventure, the Indian Navy kicked off the **2nd edition of the Inter Command Ocean Sailing Race 2023** from **Kochi to Goa** in a grand ceremony at Naval Base, Kochi on November 22, 2023
- It was organized by the **Southern Naval Command under the aegis of the Indian Naval Sailing Association (INSA) based at Naval Headquarters, New Delhi**

A close-up photograph of comedian Vir Das, smiling and holding a golden Emmy award. He is wearing a dark suit jacket and a patterned tie. The background is a warm, reddish-brown wall.

Vir Das Makes History with International Emmy Win

- Indian comedian **Vir Das** has achieved a milestone by winning an International Emmy Award for his Netflix show, “**Vir Das: Landing on Monday**”
- This accomplishment makes him the first Indian to secure a victory in the comedy category
- **The Emmy Awards, or Emmys, are an extensive range of awards for artistic and technical merit for the American and international television industry.**

A portrait of Girish Chandra Murmu, a man with glasses and a mustache, wearing a dark blue vest over a white shirt. He is looking slightly to the right of the camera. The background is a blurred indoor setting with a potted plant.

Girish Chandra Murmu Takes Key Role in UN Panel of External Auditors

- **Girish Chandra Murmu**, the Comptroller and Auditor General of India, has achieved a significant position by being elected as the **Vice-Chair of the UN Panel of External Auditors**
- The election took place during the sixty-third session of the Panel, held at the UN headquarters in New York from November 20-21, 2023



**Just Few More to
GO!!!
Let's keep the
energy high and
complete this.**

**Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800**

A close-up portrait of Justice Fathima Beevi, an elderly woman with short dark hair, wearing glasses and a green sari. She is looking slightly to the left of the camera with a serious expression. The background is a dark, textured wall.

Justice Fathima Beevi Passes Away

- India bid farewell to its pioneering legal luminary, **Justice Fathima Beevi, the country's first female Supreme Court judge**, who peacefully passed away at the age of 96
- After her illustrious tenure on the Supreme Court, Justice Beevi continued to break barriers by becoming the Governor of Tamil Nadu

25th Meeting of the National Oil Spill Disaster Contingency Plan

- The Director General of the Indian Coast Guard, **Rakesh Pal**, chaired the **25th meeting of the National Oil Spill Disaster Contingency Plan (NOS DCP) on the coast of Vadinagar in Gujarat**
- This crucial gathering brought together major stakeholders, including **ports, petroleum companies, and the Indian Coast Guard**, to discuss strategies for enhancing preparedness in **handling potential oil spill disasters in Indian waters**

India-Australia RISE Accelerator Aims to Boost Circular Economy Startups

- **The Atal Innovation Mission (AIM) and NITI Aayog**, in collaboration with **Australia's national science agency, CSIRO**, have launched the Rapid Innovation and Startup Expansion (RISE) Accelerator
- This new initiative aims to **support startups in the circular economy sector, fostering collaboration between Australian and Indian entrepreneurs**



Indian Named the Chair of International Sugar Organisation for 2024

- **India, the largest consumer and the second-largest producer of sugar worldwide**, has achieved a significant milestone by being named the **Chair of the International Sugar Organisation (ISO) for the year 2024**
- This announcement was made during the **63rd council meeting of the ISO held in London, marking India's ascendancy in the global sugar sector**

Indian Navy and DRDO Achieve Milestone in Indigenous Naval Anti-Ship Missile Trials

- In a significant stride towards self-reliance (Aatmanirbharta), the Indian Navy, in collaboration with the Defence Research and Development Organisation (DRDO), has successfully conducted Guided Flight Trials of the **first indigenously developed Naval Anti-Ship Missile**
- The milestone achievement occurred from a **Seaking 42B helicopter on November 21, showcasing India's prowess in developing naval weaponry**

Inauguration of Hamfest India 2023

- The two-day national convention, **Hamfest India 2023**, was inaugurated by Devusinh Chauhan, the Minister of State for Communications, at **Vigyan Bhawan, Science City, Ahmedabad, Gujarat**, on November 25, 2023.
- Hamfest India is the **largest gathering of Amateur Radio Operators in India** and is held annually in different parts of the country.



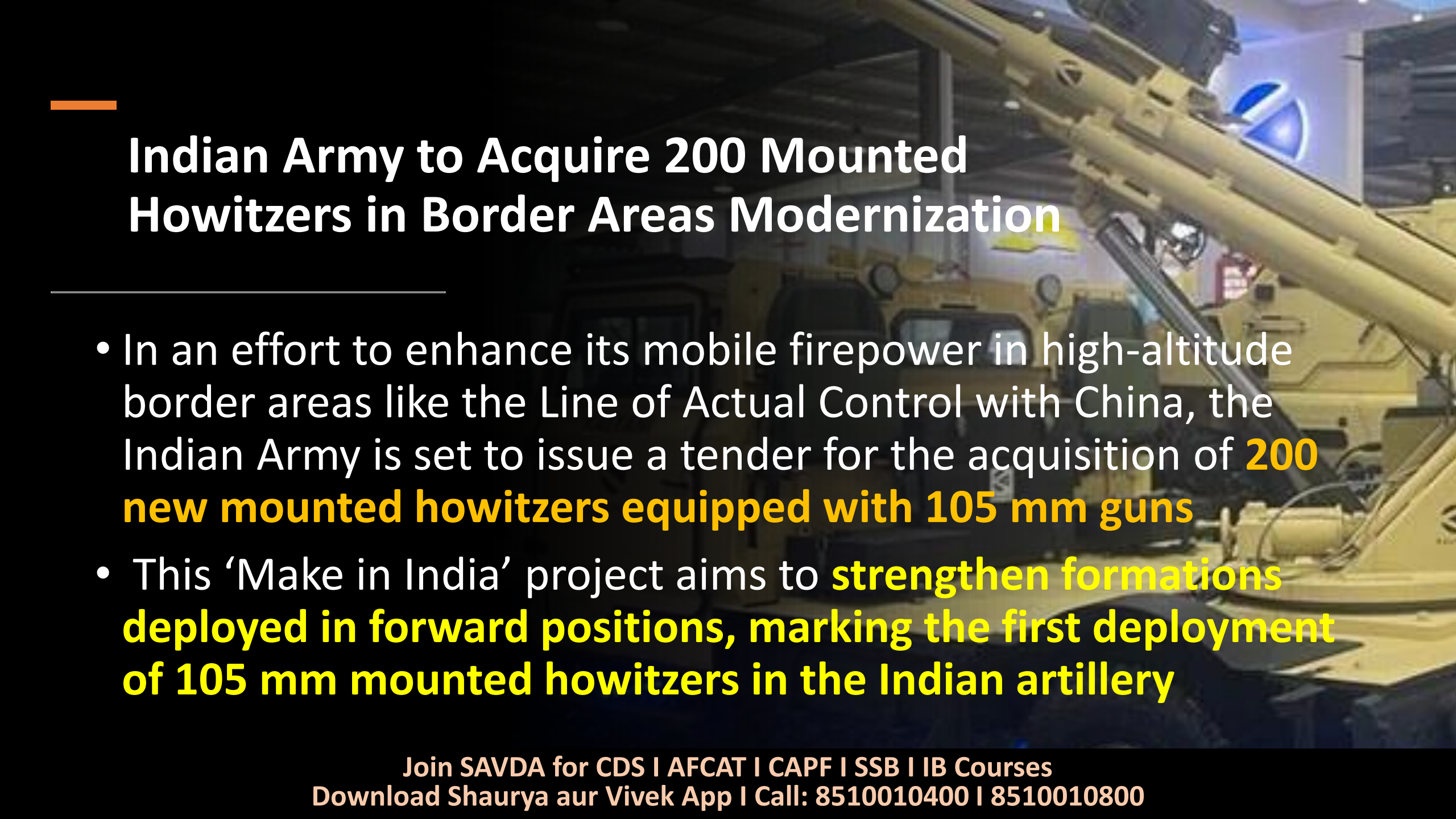
A photograph of Paul Lynch, the author of 'Prophet Song', holding a copy of his book. He is wearing a dark suit and has long dark hair. The background is dark with some faint logos.

Irish Author Paul Lynch Clinches 2023 Booker Prize for 'Prophet Song'

- **Irish author Paul Lynch** secured this year's **prestigious Booker Prize** for his fifth novel, '**Prophet Song**,' in a glamorous ceremony held at Old Billingsgate on Sunday
- The dystopian narrative unfolds in **Ireland, depicting the challenges faced by protagonist Eilish Stack as the nation inches toward totalitarianism**

28th European Union Film Festival (EUFF) of India

- The **28th European Union Film Festival (EUFF)** is set to captivate audiences in **New Delhi from December 1 to 10**
- This cinematic extravaganza, dedicated to **celebrating the rich cultural ties between India and the European Union**, will feature **28 films in 25 languages from 28 European countries**

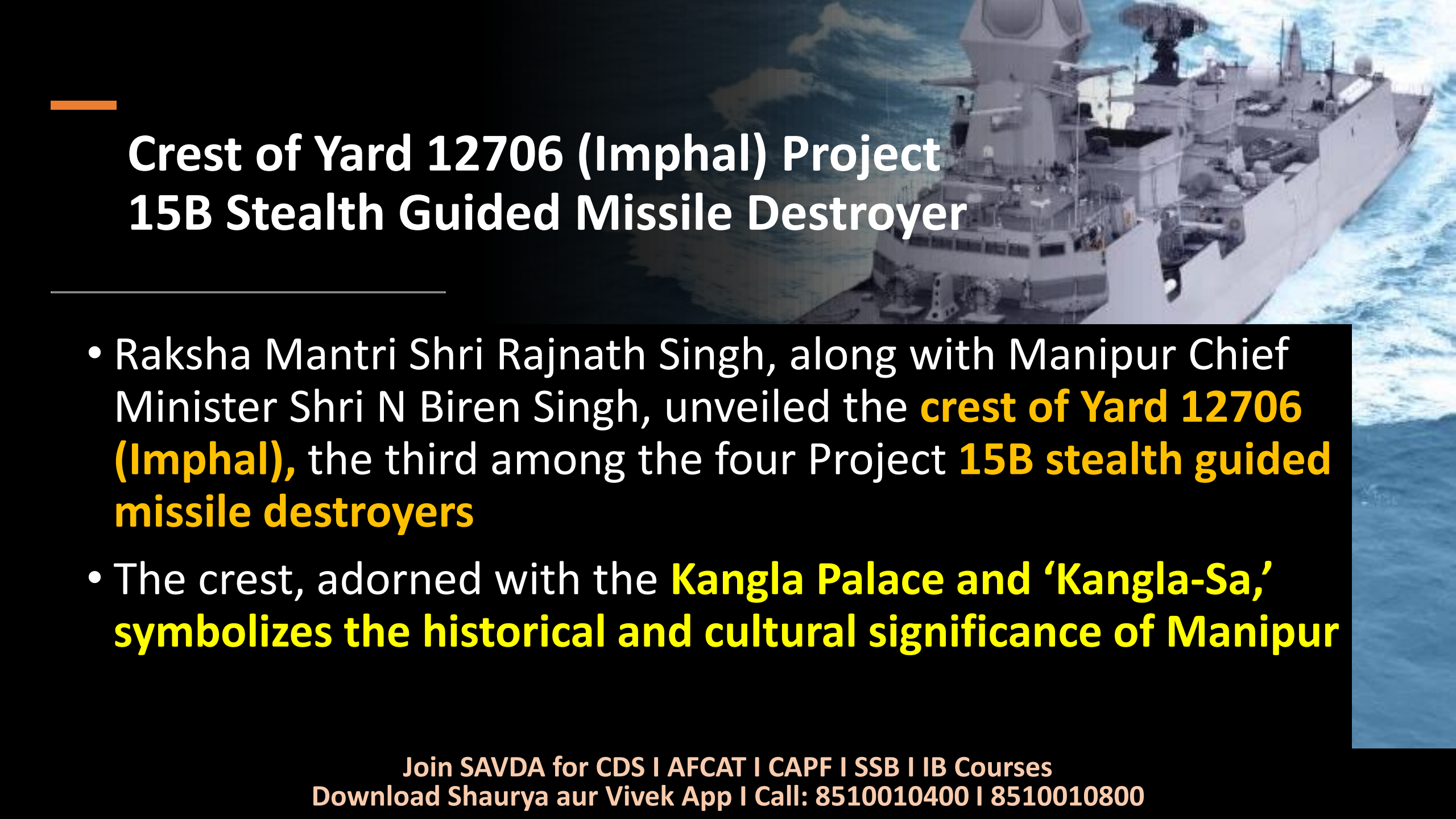
A large, yellow, mounted howitzer gun is displayed in a museum or exhibition hall. The gun is mounted on a complex mechanical base and is angled upwards. In the background, other exhibits and a blue and white logo are visible.

Indian Army to Acquire 200 Mounted Howitzers in Border Areas Modernization

- In an effort to enhance its mobile firepower in high-altitude border areas like the Line of Actual Control with China, the Indian Army is set to issue a tender for the acquisition of **200 new mounted howitzers equipped with 105 mm guns**
- This 'Make in India' project aims to **strengthen formations deployed in forward positions, marking the first deployment of 105 mm mounted howitzers in the Indian artillery**

4th ASEAN India Grassroots Innovation Forum

- **India and 10 ASEAN Member States (AMS)** showcased unity at the launch of the **4th edition of the ASEAN India Grassroots Innovation Forum (AIGIF)**
- The event, graced by **200 participants**, aims to strengthen the bond between India and AMS through cooperation in **Science, Technology, and Innovation (STI)**



Crest of Yard 12706 (Imphal) Project 15B Stealth Guided Missile Destroyer

- Raksha Mantri Shri Rajnath Singh, along with Manipur Chief Minister Shri N Biren Singh, unveiled the **crest of Yard 12706 (Imphal)**, the third among the four Project **15B stealth guided missile destroyers**
- The crest, adorned with the **Kangla Palace and 'Kangla-Sa,' symbolizes the historical and cultural significance of Manipur**



What is Project-15B?

- **Four Guided missile Destroyers of Project 15B (P 15B) are under construction at M/s Mazagaon Dock Shipbuilders Limited, Mumbai**
- **The contract for construction of these four ships was signed in 2011.**
- **These ships are amongst the most technologically advanced Guided Missile Destroyers of the world, with state-of-the-art weapon/sensor package, advanced stealth features and a high degree of automation.**

An aerial view of a modern Indian Navy destroyer, likely a Project 15B, sailing on the ocean. The ship is white with a grey superstructure, featuring a prominent radar dome and various antennas. The sea is blue with white-capped waves.

What is Project-15B?

- **These ships are equipped with BrahMos supersonic cruise missiles and long-range Surface-to-Air Missiles (SAM).**
- **The ship has several indigenous weapons systems like medium range Surface-to-Air Missile (SAMs), indigenous torpedo tube launchers, anti-submarine indigenous rocket launchers and 76-mm super rapid gun mount.**



Zimbabwe to Construct First Utility-Scale Geothermal Energy Independent Power Producer (IPP)

- **Zimbabwe** has announced plans to build **its first utility-scale geothermal energy Independent Power Producer (IPP)**, aimed at reducing greenhouse gas emissions, particularly from the energy sector, which is the highest contributor in the country
- The initiative is part of the **Green Resilient Recovery Rapid Readiness and Geothermal Energy Development Project**, identified as a key intervention area under the **Green Climate Fund**



Zimbabwe to Construct First Utility-Scale Geothermal Energy Independent Power Producer (IPP)

- The project involves constructing a **10MW geothermal power plant in the Chimbatata Hot Springs in Binga District**, contributing to clean and reliable energy access
- The move is crucial amid challenges faced by hydropower due to climate change impacts, including droughts and reduced water levels



Raas Mahotsav in Majuli

- The enchanting annual **Raas Mahotsav** has unfolded its divine festivities in **Majuli, Assam**, making it the **perfect destination to immerse oneself in the bhakti (devotion) of Lord Krishna**
- Majuli, the world's largest inhabited river island nestled in the mighty Brahmaputra, is the heart of Assamese Neo-Vaishnavism



Saurauia Punduana: A Rare Discovery in Manipur

- The **Saurauia Punduana**, categorized as critically endangered by the International **Union for Conservation of Nature (IUCN) Red List**, has been found for the first time **in Manipur's Tamenglong district**
- This discovery was made during a recent Rapid Biodiversity Assessment (RBA) field survey conducted within the Longku forest of Dailing village


A photograph of the Indian Coast Guard Ship Sajag, an offshore patrol vessel, sailing on the blue sea. The ship is white with a purple stripe along the hull. The text 'भारतीय तटरक्षक' (Bharatiya Tatarakshak) is visible on the side of the ship. The sky is clear and blue.

Indian Coast Guard Ship Sajag's Three-Day Visit to Oman

- **The Indian Coast Guard Ship Sajag, an Offshore Patrol Vessel,** reached **Port Sultan Qaboos, Muscat, Oman,** on November 29, 2023, marking a three-day visit as part of the Indian Coast Guard's deployment to West Asia
- The visit is aimed at strengthening long-standing diplomatic ties between **India and Oman, enhancing maritime cooperation, and promoting interoperability with the Royal Oman Police Coast Guard (ROPCG) and other maritime agencies**


World's 1st Transatlantic Flight Using 100% Green Fuels Takes Off

- **Virgin Atlantic** has made history with the **world's first transatlantic flight powered by 100% Sustainable Aviation Fuel (SAF)**
- The flight, named Flight100, departed from London's Heathrow Airport and is en route to **New York's John F. Kennedy International Airport**



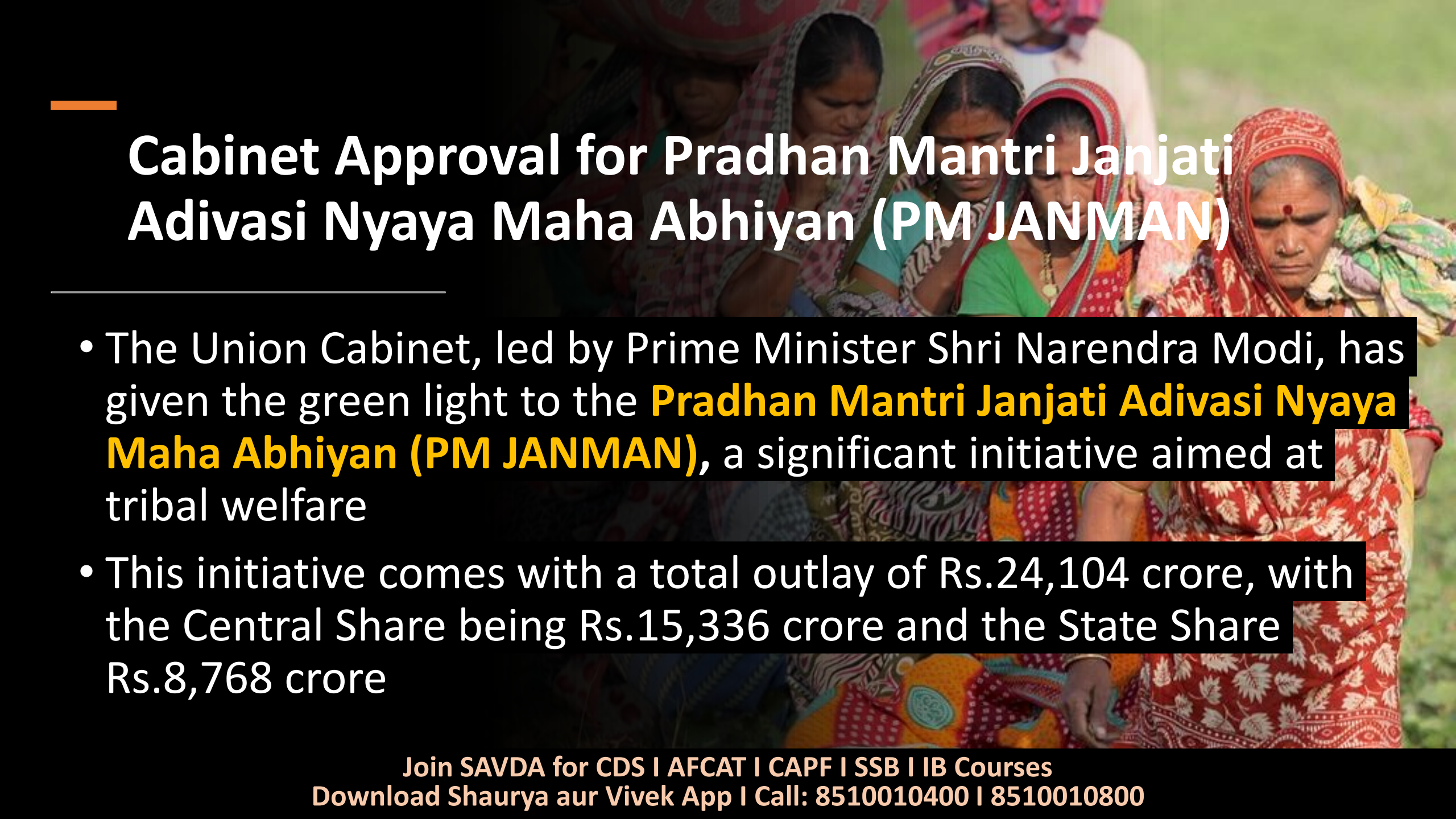
Historic Milestone: Nepal Officially Registers First Same-Sex Marriage

- Five months after the landmark decision by **Nepal's Supreme Court** legalizing same-sex marriage, the country has officially registered its first case
- This move positions **Nepal as the first South Asian country to recognize and formalize same-sex marriages**

The background of the slide is a photograph of the Sindhudurg Fort, a large stone structure built on a rocky island. The fort's walls and towers are made of dark, weathered stone blocks. The sky is clear and blue, and the sea is visible in the distance. An orange horizontal bar is located at the top left of the slide.

Indian Navy's Operational Demonstration at Sindhudurg Fort

- On December 4, 2023, the Indian Navy is set to showcase its operational prowess and capabilities through a spectacular **'Operational Demonstration' at the iconic Sindhudurg Fort on the western seaboard of India**
- Hosted by Admiral R Hari Kumar, Chief of the Naval Staff, the event will **unfold a spectrum of naval operations by both ships and aircraft**



Cabinet Approval for Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN)

- The Union Cabinet, led by Prime Minister Shri Narendra Modi, has given the green light to the **Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN)**, a significant initiative aimed at tribal welfare
- This initiative comes with a total outlay of Rs.24,104 crore, with the Central Share being Rs.15,336 crore and the State Share Rs.8,768 crore



Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses

Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800



शौर्य और विवेक

Thank You
For upcoming
Online | Offline courses at
SAVDA, Call:
8510010400 | 8510010800

Join SAVDA for CDS | AFCAT | CAPF | SSB | IB Courses
Download Shaurya aur Vivek App | Call: 8510010400 | 8510010800