

Bihar Special

Jeevika Didi Haat

Why in the news?

Jeevika Didi Haat will be opened in Bihar, inspired by Delhi Haat.

- ❖ Products available include: Handmade items, Sudha milk, Green vegetables, Jan Aushadhi medicines
- ❖ The Haat will have 25 shops and operate from 6 am to 8 pm.

Preparations and Location

- ❖ Jeevika has started preparations for setting up the Haat. The place is being selected for this.
- ❖ Old government buildings located in Samastipur, Bhojpur and Nalanda will be used. For this, it will be opened in old buildings built under MNREGA, etc.

Economy

GST Council

Why in the news?

Recently the 54th meeting of the GST Council was held.

Major recommendations made in the meeting:

- ❖ Formation of a Group of Ministers on Life and Health Insurance and to study the future of Compensation Cess.
- ❖ Reduction in GST rates on cancer drugs - Trastuzumab Deruxtecan, Osimertinib and Durvalumab from 12% to 5%.

About GST Council:

- ❖ The constitutional body was established under Article 279 (A) of the Constitution through the 101st Constitutional Amendment Act, of 2016.
- ❖ Constituted by the President with the Union Finance Minister as Chairperson.
- ❖ Responsible for setting tax rates, making policy decisions related to GST, and making to center and states.



Environment And Geography

India: World's largest plastic emitter

Why in the news?

New research published in the journal Nature has said that India is responsible for around one-fifth of global plastic emissions of around 9.3 million metric tonnes (Mt) per year.

- ❖ India ranks first in global plastic emitters, surpassing China, which is ranked fourth.

Global Context:

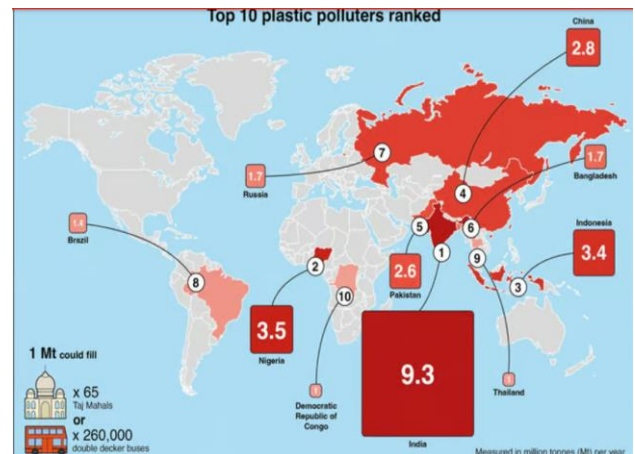
- ❖ Nigeria at 3.5 MT/year, Indonesia at 3.4 MT/year and China at 2.8 MT/year rank second, third and fourth respectively in plastic emissions.
- ❖ Southern Asian, sub-Saharan African, and Southeast Asian countries have the highest plastic emissions.

Study Insights:

- ❖ Conducted by researchers at the University of Leeds.
- ❖ Highlights that China's improved waste management over the past 15 years has reduced its emissions, despite its previous status as a major plastic polluter.
- ❖ China's progression towards high-income status and better waste management systems contrasts with India's current situation.

Plastic Emissions Definition:

- ❖ Refers to plastic materials moving from controlled waste systems to the environment where they are no longer managed.



Science And Technology

SpaceX Polaris Dawn Mission

Why in the news?

Recently SpaceX launched its daring Polaris Dawn mission, a multiday orbital expedition carrying a four-member civilian crew for the first spacewalk by non-professional astronauts.

Launch Details:

- ❖ **Launch date-** 10 September 2024
- ❖ **Launch From-** NASA's Kennedy Space Center, Florida.
- ❖ **Crew:** Led by billionaire Jared Isaacman, founder of Shift4 Payments.

Crew members include:

- ❖ Scott Poteet, former US Air Force pilot.
- ❖ SpaceX engineers Anna Menon and Sarah Gillis.

Mission Highlights:

- ❖ Aims to surpass the 853-mile record set by NASA's Gemini 11 mission in 1966.
- ❖ Includes first-ever commercial spacewalk on the third day.

Spacewalk Challenges:

- ❖ Crew to manage pressure differences and avoid exposure to toxins when repressurizing the spacecraft.
- ❖ SpaceX has implemented safety precautions for the spacewalk.



Defence And Security

Cyber Commandos

Why in the news?

Recently Union Home Minister Amit Shah revealed plans to train 5,000 'Cyber Commandos' over the next five years to combat rising cybercrime.

- ❖ **Cyber Commandos Program:** The Centre will establish a specialized unit of Cyber Commandos across States and Union Territories. These commandos will support state, UT, and central agencies in protecting digital spaces.
- ❖ **Cyber Fraud Mitigation Centre (CFMC):** Shah inaugurated the CFMC during the first foundation day of the Indian Cyber Crime Coordination Centre (I4C).
- ❖ **I4C:** Established on October 5, 2018, I4C coordinates national efforts to address cybercrime, and on July 1, 2024, it became an office under the Ministry of Home Affairs.
- ❖ **2023 Cyber Fraud Stats:** In 2023, over 1.12 million cybercrime incidents were reported in India. Uttar Pradesh reported the highest number of complaints, while Maharashtra saw the highest financial losses at Rs 9.9 billion.



'INS Malpe' and 'INS Mulki'

Why in the news?

Two indigenously designed and built Anti-Submarine Warfare Shallow Water Crafts were launched at Cochin Shipyard.

- ❖ Once commissioned into the Indian Navy, they will be named INS Malpe and INS Mulki.

Purpose:

- ❖ Capable of conducting anti-submarine operations in coastal waters.
- ❖ Suitable for low-intensity maritime and mine-laying operations.
- ❖ Equipped for subsurface surveillance, search, and rescue missions.

Armaments:

- ❖ Light-weight torpedoes, Anti-submarine warfare rockets, Close-in weapon systems and remote-controlled guns.

Specifications:

- ❖ Length: 78 meters.
- ❖ Breadth: 11 meters.
- ❖ Full load displacement: 900 tons.
- ❖ Maximum speed: 25 knots.\



Attendees: The ceremony was attended by Vice Admiral V Srinivas, Flag Officer Commanding-in-Chief of the Southern Naval Command, Cochin Shipyard CMD Madhu S Nair, and senior Navy officers.

Ministry of Defence Contract with HAL for AL-31FP Engines

Why in the news?

The Ministry of Defence (MoD) signed a contract with Hindustan Aeronautics Limited (HAL) for the supply of 240 AL-31FP engines for Su-30MKI fighter jets.

- ❖ Contract value: Over ₹26,000 crore.
- ❖ Signed on September 9, 2024, in New Delhi.

Engine Production:

- ❖ HAL will manufacture the engines at its Koraput(Odisha) facility.
- ❖ 30 engines will be delivered annually.
- ❖ The full order will be completed in eight years.

Objective: Ensure Indian Air Force (IAF) Su-30MKI jets remain operational and combat-ready.

Atma Nirbhar Bharat Mission:

- ❖ Collaboration with India's defence manufacturing network, including MSMEs and public/private companies.
- ❖ HAL aims to use 63% of local components by the project's end, with an average of 54% during the project.
- ❖ Focus on enhancing repair and maintenance capabilities using more Indian-made parts.

Release of Joint Doctrine for Amphibious Operations

Why in the news?

Chief of Defence Staff General Anil Chauhan released the joint doctrine for amphibious operations during the Chiefs

of Staff Committee meeting held on 09 Sep 2024, in New Delhi

- ❖ **Purpose:** Guides Commanders in conducting Amphibious Operations in today's complex military environment.

Significance:

- ❖ Enhances the amphibious capability of the Armed Forces, empowering them to conduct a variety of operations in the Indian Ocean Region during both war and peace.
- ❖ Amphibious operations are critical to multi-domain operations, showcasing cohesion and integration among the Armed Forces.

Key Focus: Emphasis on Jointness and Integration of Armed Forces.

Relation to Other Doctrines:

- ❖ Following the release of the Joint Doctrine for Cyberspace Operations, the Joint Doctrine for Amphibious Operations is the second Joint Doctrine released in 2024 and it provides due focus on Jointness and Integration of Armed Forces in general and Amphibious Operations in particular.

Miscellaneous

Anusandhan National Research Foundation

Why in the news?

Recently Prime Minister Narendra Modi convened the first meeting of the Governing Board of the Anusandhan National Research Foundation (ANRF).

Need for Removing Obstacles in Research:

- ❖ PM Modi emphasized identifying and removing barriers in India's research ecosystem.
- ❖ Focus on setting ambitious targets and conducting path-breaking research.
- ❖ Research should address global problems with localized solutions tailored to Indian needs.

Hub and Spoke Program:

- ❖ A program to pair universities with nascent research capabilities with top-tier institutions in a mentorship mode.
- ❖ Aims to enhance research at early-stage universities through guidance from established institutions.

Strategic Interventions by ANRF:

- ❖ Focus on globally positioning India in key sectors.
- ❖ Aligning R&D with national priorities and promoting inclusive growth.

- ❖ Building capacity, driving scientific advances, and fostering innovation ecosystems.
- ❖ Bridging the gap between academic research and industrial applications through translational research.

ANRF Role and Vision:

- ❖ Established by the Anusandhan National Research Foundation Act 2023.
- ❖ Aims to foster a culture of research and innovation throughout India by providing an environment that nurtures research and harnesses the talent pool.

Financial Corpus:

- ❖ ANRF aims to create a ₹50,000 crore corpus, with ₹36,000 crore expected from non-government sources.
- ❖ ₹2,000 crore has been earmarked in the current Union Budget for ANRF.



Obituary

K. Chellappan

Why in the news?

Eminent English professor K. Chellappan, who won the Sahitya Akademi award for his translation of Rabindranath Tagore's Gora into Tamil, passed away in Chennai.

- ❖ Fondly known as K.C. in academic circles, he won the award for translation in 2020.
- ❖ Chellappan has won several literary awards such as Poet Bharathidasan Award, Tamil Chemmaal Award and the Best Teacher Award.
- ❖ In 2017, he also received the Lifetime Achievement Award for Translation and Best Translator Award from the Government of TN.



News in short

- ❖ Typhoon Yagi triggers landslides, and floods in Vietnam. It was Asia's most powerful storm in 2024.
- ❖ American actor James Earl Jones, an imposing stage and screen presence, died.
- ❖ Children in Australia will be restricted from using social media, with a minimum age of 16.



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