

SANSKRITI IAS DAILY CURRENT AFFAIRS

22-08-2026

National Animal Disease Control Programme



PIB

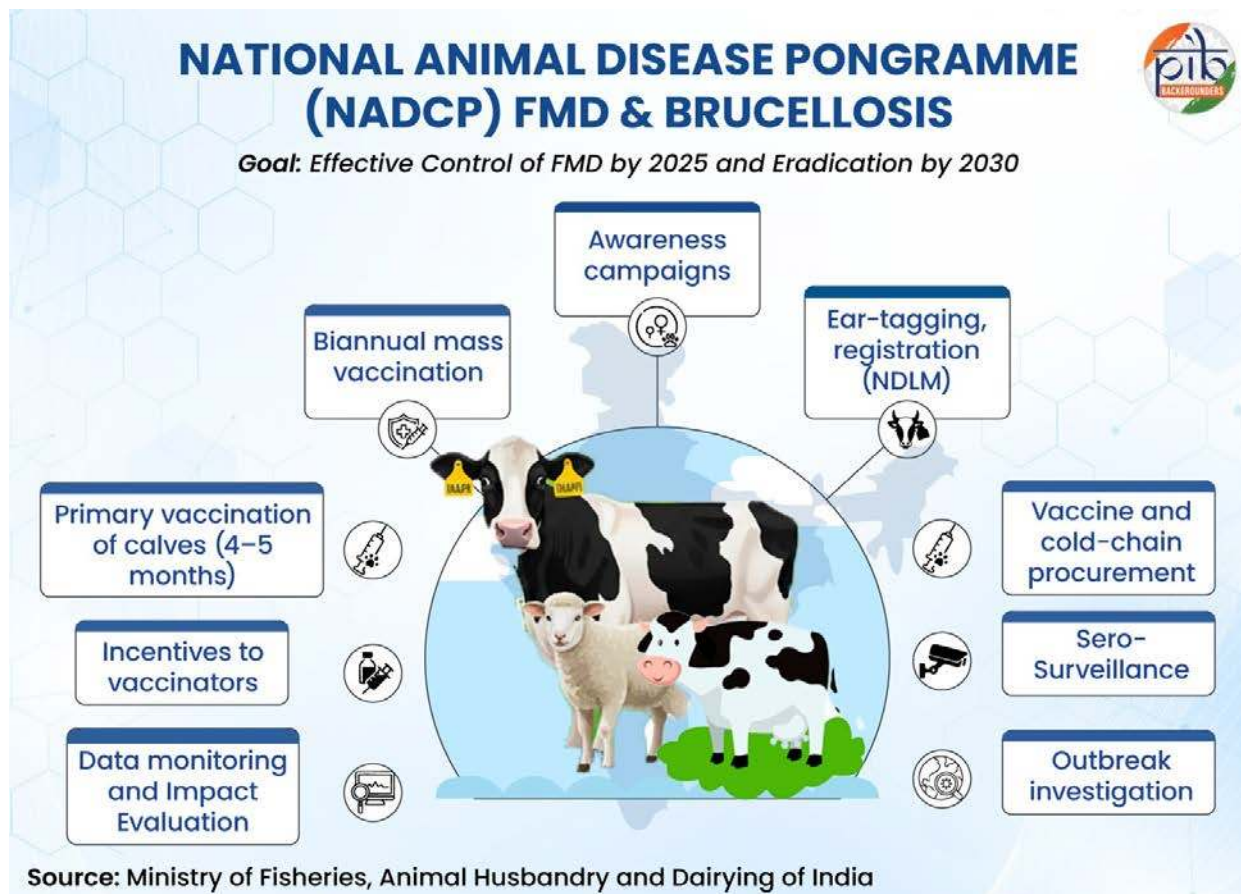
<https://www.pib.gov.in> > PressNoteDetails

National Animal Disease Control Programme (NADCP)

13 hours ago — The **National Animal Disease Control Programme (NADCP)** launched in 2019, represents one of India's largest livestock health initiatives

Why in News: The **National Animal Disease Control Programme (NADCP)** has emerged as a major data-driven livestock-health intervention focused on controlling **Foot and Mouth Disease and Brucellosis**.

Institutional Framework



- NADCP was launched in **2019** as one of India's largest livestock-health initiatives.
- It is a **Central Sector Scheme**, with **100% central funding** to States/UTs.

- The nodal ministry is the **Department of Animal Husbandry and Dairying**, under the **Ministry of Fisheries, Animal Husbandry & Dairying**.

Disease Profile

- Foot and Mouth Disease (FMD)** is a highly contagious viral disease affecting cloven-hoofed animals such as cattle, buffaloes, sheep, goats and pigs.
- FMD can reduce **milk yield, growth rate, fertility and working capacity of bullocks**.
- Brucellosis** is a reproductive disease caused by the bacterium **Brucella abortus**, particularly affecting cattle and buffaloes.
- Brucellosis can cause **abortion, infertility, delayed heat and interrupted lactation**, resulting in production losses.
- The **once-in-a-lifetime Brucellosis vaccination** under NADCP is targeted at **female bovine calves aged 4–8 months**.

Vaccination Strategy

- The programme targets **100% livestock vaccination against FMD twice annually**.
- Female bovine calves aged 4–8 months** are targeted for one-time lifetime vaccination against Brucellosis.

Online Bond Platform Provider

PTI Press Trust of India

Sebi proposes tighter curbs on promotional claims by online bond platforms

New Delhi, Aug 22 (PTI) Sebi has proposed tighter advertising norms for online bond platform providers, including restrictions on...



Why in News: **SEBI** has proposed an **advertisement code for Online Bond Platform Providers (OBPPs)** to expand investor reach and strengthen investor awareness.

Regulatory Framework

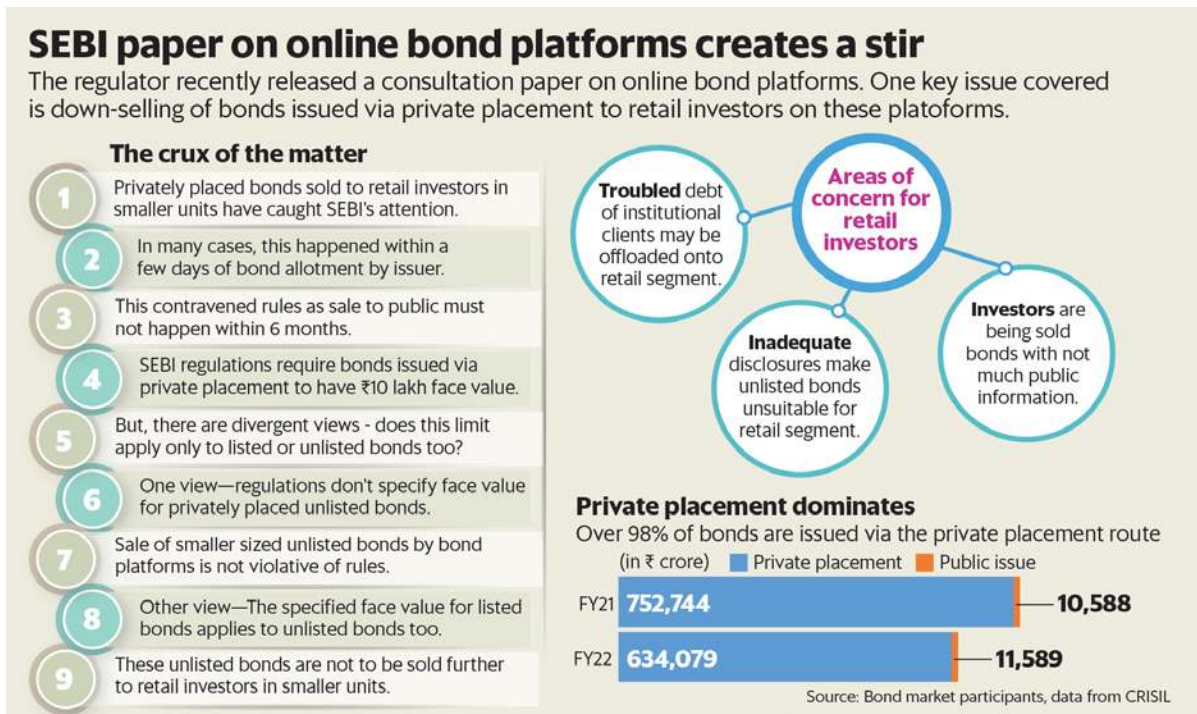
- An **OBPP** is a **SEBI-registered platform** facilitating the purchase and sale of bonds.
- It acts as a digital bridge between **bond issuers and retail investors**.
- Platforms must be registered stockbrokers and comply with **SEBI (Issue and Listing of Non-Convertible Securities) Regulations**.

Investor Facilitation

- Investors can compare bonds on parameters such as **credit rating, yield, maturity, interest rate and issuer profile**.



- The minimum investment value is stated as **₹10,000**.
- OBPPs integrate **bond discovery, execution and settlement** into a regulated digital process.



Transaction Mechanism

- Investors first complete **KYC** and maintain a **Demat account**.
- For listed debt securities, orders are routed through the **Request for Quote (RFQ) platform** of a recognised stock exchange.
- After execution, settlement occurs through the recognised **clearing corporation**, with bonds credited to the investor's Demat account.

Polysilicon

Swarajya

India Eyes Rs 25,000 Crore Polysilicon Manufacturing Push, Targets At Least 30 GW Capacity By 2030

India is reportedly planning to shift its strategy from sales-based production-linked incentives to an upfront capex-based subsidy for...

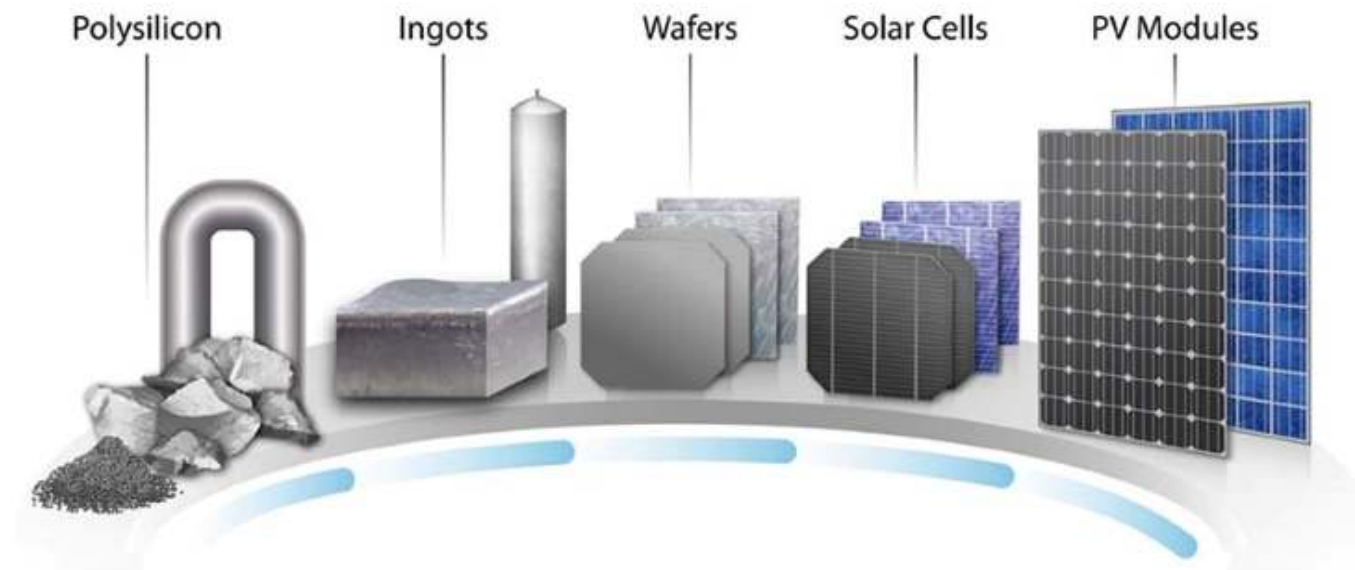


Why in News: The government is working to add **30 GW of polysilicon manufacturing capacity by 2030** and is considering a subsidy scheme.

Material Characteristics

- **Polysilicon**, or polycrystalline silicon, is a highly pure form of silicon composed of multiple small crystals or grains.
- It is produced by purifying **metallurgical-grade silicon** into high-purity silicon.
- It is a critical raw material for manufacturing **solar cells and semiconductor components**.

Solar-Value Chain



- Polysilicon is melted at high temperatures to form **ingots**, which are sliced into **wafers** and processed into solar cells and modules.
- Its high purity makes it an important material for the **solar photovoltaic industry**.
- Global solar-grade polysilicon production is highly concentrated, with **China accounting for the large majority of output**.

Production Technologies

- High-quality polysilicon for solar cells is primarily produced through the **Siemens process** and **Fluidized Bed Reactor (FBR) technology**.
- Polysilicon also has applications in the **semiconductor industry**, including integrated circuits and other electronic components.

Lake Erie

Why in News: A **1,256-MW nuclear reactor** on the southern shore of **Lake Erie in Ohio** has unintentionally created a wildlife

THE TIMES OF INDIA

[A 1,256-megawatt nuclear reactor on Lake Erie accidentally became a wildlife sanctuary, now spotted turtle!](#)

US News: Alongside the 1100-acre plot of the Perry Nuclear Power Plant, small black shells with yellow dots are often found slowly making...



refuge through its **1,100-acre buffer zone**, providing habitat for threatened spotted turtles.

Geographical Setting

- **Lake Erie** is the **fourth-largest and southernmost** of North America's five Great Lakes.
- It is the **warmest, shallowest and smallest by volume** among the Great Lakes.
- It forms part of the boundary between **Canada's Ontario** and the **United States**.

Hydrological Linkages

- Major tributaries include the **Detroit, Huron and Raisin Rivers**.
- Lake Erie drains into **Lake Ontario through the Niagara River**.
- Its largest island is **Pelee Island**, located near its western end.

Economic and Ecological Importance

- Major ports include **Detroit, Cleveland, Toledo and Buffalo**.
- Lake Erie forms an important link in the **Saint Lawrence Seaway**, connecting the Great Lakes with the **Atlantic Ocean**.
- Its abundant plankton and relatively mild temperature support the **highest fish abundance among the Great Lakes**.

Great Lakes: Important Facts

- The five Great Lakes are **Superior, Michigan, Huron, Erie and Ontario**.
- Together they cover about **245,660 sq. km** and constitute the largest connected freshwater area on Earth.
- **Lake Michigan** is the only Great Lake located entirely within the United States.
- **Lake Superior** is the largest and deepest, while **Lake Ontario** is the smallest.



National Financial Reporting Authority

Why in News: The **National Financial Reporting Authority (NFRA)** is an independent regulatory body established under **Section 132(1) of the Companies Act, 2013**.

Institutional Framework

- NFRA functions under the **Ministry of Corporate Affairs** and is headquartered in **New Delhi**.

PIB

[National Financial Reporting Authority \(NFRA\) conducts sixth outreach programmes with focus on small and medium auditors under the theme "Creating a Better Financial..."](#)

National Financial Reporting Authority (NFRA) conducts sixth outreach programmes with focus on small and medium auditors under the theme...



- It aims to improve the **credibility, quality and transparency of financial reporting** in India.
- It protects the interests of **investors, stakeholders and the public** through stronger accounting and auditing standards.

Core Functions

- NFRA recommends **accounting and auditing policies and standards** for approval by the Central Government.
- It monitors and enforces compliance with **accounting and auditing standards**.
- It performs other functions incidental to these responsibilities.

Composition and Independence

- NFRA consists of a **Chairperson appointed by the Central Government** and a maximum of **15 members**.
- Members are expected to possess expertise in **accountancy, auditing, finance or law** and must declare absence of conflict of interest.
- Full-time members cannot be associated with an audit firm during their tenure and for **two years after their term**.

Powers

- NFRA can investigate professional or other misconduct by members or firms of **Chartered Accountants** under the **Chartered Accountants Act, 1949**.
- It possesses powers equivalent to those of a **civil court under the Code of Civil Procedure, 1908** while trying a suit.
- It can impose punishment for proved misconduct, with an appeal available to the **Appellate Authority**.

Pradhan Mantri Annadata Aay Sanrakshan Abhiyan

News On AIR

Govt steps up PM AASHA support to ensure MSP benefits reach farmers

The government has taken several initiatives to ensure that the benefits of the Minimum Support Price (MSP) reach all farmers,...



Why in News: **PM-AASHA** continues to support farmers through **assured procurement, price stabilisation and market intervention** mechanisms.

Policy Framework

- **Pradhan Mantri Annadata Aay Sanrakshan Abhiyan (PM-AASHA)** was launched in **September 2018**.
- Its primary objective is to strengthen **Minimum Support Price (MSP)** implementation and ensure remunerative prices for farmers.

Price Support Mechanism

- Under the **Price Support Scheme (PSS)**, crops are procured at MSP when market prices fall below MSP during harvest.
- PSS mainly covers **pulses, oilseeds and copra**, with procurement through agencies such as **NAFED and NCCF** at the request of State Governments.
- The scheme covers registered farmers with valid land records.

Price Stabilisation and Deficiency Payment

- The **Price Stabilization Fund (PSF)** maintains buffer stocks of commodities such as **pulses, onions and potatoes** to manage price volatility.
- Under the **Price Deficiency Payment Scheme (PDPS)**, farmers receive the difference between MSP and the actual market price without physical procurement.
- The PDPS payment is limited to **15% of MSP value** and is transferred directly to farmers' bank accounts.

Market Intervention Scheme

- The **Market Intervention Scheme (MIS)** supports procurement of perishable agricultural and horticultural commodities for which MSP is not applicable.
- It covers commodities such as **tomatoes, onions and potatoes**.
- MIS is activated when market prices decline by at least **10%** from the previous normal season's rates.
- It operates through **Centre-State cost sharing** and Central Nodal Agencies such as **NAFED and NCCF**.

Restriction on Cough-Cold FDCs for Children

THE Hindu

Government restricts FDCs with chlorpheniramine, phenylephrine for children below 4

The Union Health Ministry has imposed restrictions on the manufacture, sale and distribution of all fixed-dose combinations (FDCs)...



Why in News: The **Union Ministry of Health and Family Welfare** restricted specified **Chlorpheniramine Maleate–Phenylephrine Hydrochloride FDCs** for children below **4 years**.

Regulatory Basis

- The restriction was issued under **Section 26A of the Drugs and Cosmetics Act, 1940**.

- Section 26A empowers the Central Government to prohibit or regulate drugs in the **public interest**.

Key Facts

- FDCs** combine two or more active pharmaceutical ingredients in a single formulation.
- Chlorpheniramine Maleate** is an antihistamine, while **Phenylephrine Hydrochloride** is a nasal decongestant.
- Relevant packaging must carry a warning against use in **children below four years**.

Regulatory Institutions

- The decision involved an **Expert Committee** and **Drugs Technical Advisory Board (DTAB)**.
- CDSCO** is India's national drug regulatory authority.
- The measure expands an earlier **15 April 2025** restriction on specific formulations.

Other Important News of the day

Persons in News

Sophie Adenot: First French Woman to Walk in Space

Why in News: ESA astronaut **Sophie Adenot** became the **first French woman and second European woman** to perform a spacewalk on **18 August 2026**.

Spacewalk Details

- She conducted **EVA-97** outside the **ISS** with NASA astronaut **Anil Menon**.
- The spacewalk lasted **6 hours 23 minutes** and involved replacing the failed **Space-to-Ground Antenna (SGANT)**.
- The mission became the **282nd ISS spacewalk**.



ISS Facts

- Canadarm2** assisted the astronauts during the operation.
- The **Z1 truss** supports important ISS systems and equipment.
- EVA** refers to work performed by astronauts outside a spacecraft or space station.

Next Mission

- EVA-98** was scheduled for **25 August 2026** to complete installation of the spare SGANT antenna.

**Places
News**

in

Brazil

Why in News: India and Brazil signed an MoU to strengthen bilateral cooperation in telecommunications and Information and Communication Technologies (ICTs).

Geographical Location



- **Brazil** occupies almost half of South America and borders the **Atlantic Ocean**.
- It is bordered by **Argentina, Paraguay, Bolivia, Peru, Colombia, Venezuela, Guyana, Suriname** and **French Guiana**.
- Both the **Equator** and **Tropic of Capricorn** pass through Brazil.

Physical Geography

- The major physiographic regions include the **Brazilian Highlands, Amazon Rainforest** and **Pantanal Wetlands**.
- Major rivers include the **Amazon, São Francisco** and **Iguacu**.

	• Pico da Neblina (2,999 m) is the highest peak of Brazil. Amazon Basin and Resources • The Amazon Basin is the world's largest river basin and extends across Brazil, Peru, Colombia, Ecuador, Venezuela, Bolivia, Guyana and Suriname. • Brazil is rich in minerals including iron ore, tin, copper, pyrochlore and bauxite. • The capital of Brazil is Brasília.
Defence	INS Mangrol Why in News: INS Mangrol, the third of eight indigenously designed Anti-Submarine Warfare Shallow Water Craft (ASW SWC), was delivered to the Indian Navy by Cochin Shipyard Limited (CSL). Strategic and Operational Role • INS Mangrol is primarily designed for anti-submarine warfare in shallow coastal waters. • It can also undertake underwater surveillance, search and rescue, Low Intensity Maritime Operations and mine-laying. • The vessel is named after Mangrol, a historic coastal township in Surat district, Gujarat. Technical Profile • The ASW SWC is approximately 78 metres long, has a displacement of around 900 tonnes and can attain 25 knots. • It uses a Diesel Engine–Waterjet Propulsion system. • It carries lightweight torpedoes, indigenous ASW rockets and shallow-water sonars. Indigenisation • INS Mangrol has over 80% indigenous content, supporting domestic naval shipbuilding. • It has been designed and constructed according to the classification rules of Det Norske Veritas (DNV). • Cochin Shipyard Limited is responsible for its indigenous design and construction.



Science and Technology

Ervebo Vaccine

 World Health Organization (WHO)

WHO and Africa CDC welcome the allocation of Ebola vaccines to the Democratic Republic of the Congo

Last week, the government of the Democratic Republic of the Congo (DRC) requested a release of Ervebo vaccines from the global Ebola virus...



Why in News: The **WHO and its partners** stated that **Congo** will receive **70,000 doses** of the Ervebo vaccine.

Vaccine Profile

- **Ervebo** is licensed for protection against **Ebola Virus Disease (EVD)**.
- It is a **replication-competent, live, attenuated recombinant vesicular stomatitis virus (VSV) vaccine**.
- It is manufactured by **Merck** and is indicated for individuals **1 year and older**.

Mechanism and Specificity

- The vaccine contains one protein from the **Zaire Ebola virus**, which stimulates an immune response without causing Ebola disease.
- Ervebo protects against **Zaire ebolavirus** but not against other **orthebolavirus species or orthomarburgviruses**.

Ebola Virus Disease

- Ebola is a severe and often fatal viral disease caused by **orthebolaviruses**.
- It was first identified in **1976 in southern Sudan and the Democratic Republic of Congo**.
- Transmission occurs through infected animals such as **fruit bats, porcupines and non-human primates**, followed by human-to-human transmission through infected body fluids.
- Ebola **is not transmitted through air**.

Important Facts

- The incubation period is generally **5–15 days**, with a possible range of **2–21 days**.
- Major symptoms include **fever, diarrhoea, vomiting and bleeding**, which can lead to death.

Uttar Pradesh in News

Kanpur Emerges as Key Defence Manufacturing Hub

TH The Hindu

Uttar Pradesh strengthens its presence in the defence sector



Under the Yogi Government, Uttar Pradesh is rapidly increasing its share in the defence sector and emerging as a key centre of defence...

Why in News: **Kanpur** has emerged as the leading manufacturing hub under the **Uttar Pradesh Defence Industrial Corridor (UPDIC)**.

UP Defence Industrial Corridor

- Developed by **UPEIDA**, the corridor covers **Kanpur, Jhansi, Lucknow, Aligarh, Agra and Chitrakoot**.
- Projects worth **₹13,500 crore** are under implementation, with total proposals of around **₹39,500–40,000 crore**.

Kanpur Defence Hub

- **Adani Defence & Aerospace** has invested nearly **₹4,000 crore** in an ammunition facility.
- Kanpur produces the indigenous **Abhay Rifle** and **Prahar Light Machine Gun**.
- The hub focuses on **ammunition, small arms, defence textiles and protective equipment**.

Strategic Significance

- **Lucknow** hosts a **BrahMos Aerospace** facility for missile systems.
- Other nodes produce **electronic warfare systems, precision components and ballistic materials**, supporting **defence indigenisation**.