



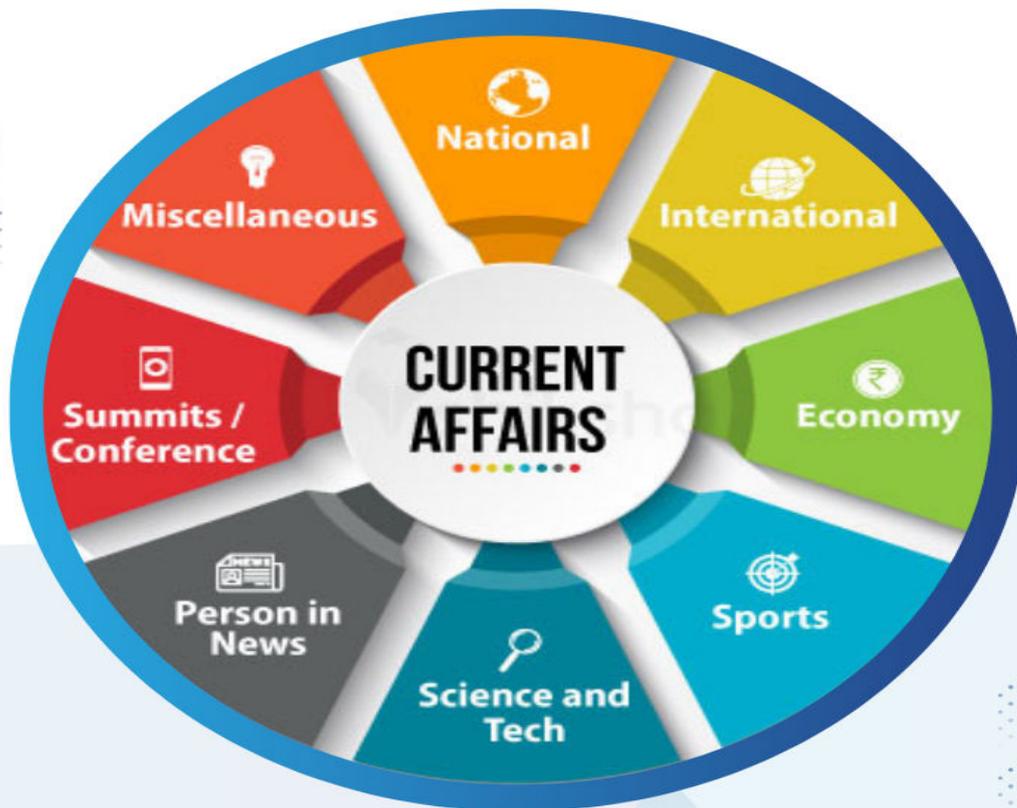
“ We help you reach for the star ”

VIDHVATH IAS KAS ACADEMY
&
STUDY CENTRE

DAILY CURRENT AFFAIRS

FOR UPSC CIVIL SERVICE EXAMINATION

DATE: 28/02/2026 (SATURDAY)



 **9972258970 & 9740702455**

**#317/A SKB Arcade, D. Subbaiah Road,
Ramaswamy Circle, Mysuru-570004**



Table of Contents

1. Ayurvedic Sciences Incubation Centre (ASIC): Bridging Tradition and Innovation	2
2. Revised GDP Series: Strategic Shift in India's National Accounting.....	3
3. Maharashtra's Ladki Bahin Yojana: Fiscal Challenges and Infrastructure Concerns	5
4. Exercise Vayushakti-26: A Demonstration of IAF's Strategic Reach and Precision	6
5. VSHORADS Flight-Trials: Strengthening India's Low-Altitude Air Defence	8
6. Commissioning of INS Anjadip: Bolstering India's Coastal Anti-Submarine Warfare	9
7. Digital Oversight in Public Finance: Launch of Government Bank Dashboard and Manual	11
8. Kerala's Global Vision: Transforming from Remittance to Innovation Economy	12
9. International Law: Resilience Amidst Global Power Shift and Conflict	14
10. Strategic Inland Waterway Infrastructure: Bolstering National Waterway-2 (Brahmaputra)	16
11. Revamping Forest Rights Implementation: Transition from FRA Cells to PMUs	17
12. Meningococcal Disease Outbreak: Surveillance and Public Health Response in Meghalaya	19



1. Ayurvedic Sciences Incubation Centre (ASIC): Bridging Tradition and Innovation

Introduction: The Ministry of Ayush has launched a national Call for Expression of Interest (EoI) for startups under the **Ayurvedic Sciences Incubation Centre (ASIC)** at the Central Ayurveda Research Institute (CARI), Bengaluru. This initiative is a strategic step toward integrating classical Ayurvedic wisdom with modern entrepreneurial rigour.

Core Summary of the Initiative

- **Institutional Framework:** ASIC is established under the Central Council for Research in Ayurvedic Sciences (CCRAS) at CARI, Bengaluru, acting as a specialized hub for "Startup Incubation through Ayush Institutions."
- **Strategic Objective:** The center aims to empower young innovators to translate traditional knowledge into contemporary, evidence-based healthcare solutions, reinforcing India's position as a global leader in integrative medicine.
- **Support Ecosystem:** It provides a comprehensive "bench-to-market" pathway, offering startups structured mentorship, scientific validation, financial guidance, and regulatory facilitation.
- **Infrastructure Advantage:** CARI Bengaluru provides high-end resources, including NABH and NABL-accredited facilities and expertise as a Centre of Excellence in *Madhumeha* (Diabetes).
- **Collaborative Network:** ASIC functions as a catalyst by connecting entrepreneurs with a multidisciplinary network of researchers, venture capitalists, industry leaders, and policymakers.
- **Global Standardisation:** A primary focus is on the commercialization of research-backed products that meet international quality and safety standards to boost Ayush exports.



Key Definitions

- **Ayush:** An acronym for Ayurveda, Yoga & Naturopathy, Unani, Siddha, and Homoeopathy; representing India's diverse traditional medicine systems.
- **Incubation:** A process of nurturing early-stage startups by providing workspace, seed funding, and technical expertise to make them commercially viable.
- **Evidence-based Medicine:** A systematic approach to clinical problem solving which allows the integration of the best available research evidence with clinical expertise.

Constitutional and Legal Provisions

- **Article 47 (DPSP):** The State shall endeavour to raise the level of nutrition and the standard of living and to improve public health. Strengthening Ayush is a direct application of this Directive Principle.
- **National Ayush Mission (NAM):** A Centrally Sponsored Scheme launched to promote Ayush medical systems through cost-effective services and strengthening of institutional capacity.
- **Drugs and Cosmetics Act, 1940:** Specifically, Chapter IVA provides the regulatory framework for the manufacture and sale of Ayurveda, Siddha, and Unani (ASU) drugs.



- **Biological Diversity Act, 2002:** Relevant for startups sourcing medicinal plants, ensuring equitable benefit sharing with local communities.

Additional Key Points

- **Pharmacovigilance:** CARI Bengaluru serves as a Peripheral Pharmacovigilance Centre, ensuring the safety monitoring of Ayurvedic formulations developed by startups.
- **Digital Integration:** The application process is streamlined through a dedicated digital portal, reflecting the "Digital India" push within the healthcare sector.
- **ISO Certification:** The adherence to IS/ISO 9001:2015 standards at the incubation site ensures that the administrative and research processes meet global quality management benchmarks.

Conclusion: The establishment of ASIC marks a shift from traditional practice to an innovation-led Ayurvedic industry. By fostering a startup ecosystem, the government is ensuring that Ayurveda remains a dynamic, sustainable, and scientifically validated component of global preventive healthcare. **UPSC**

Relevance:

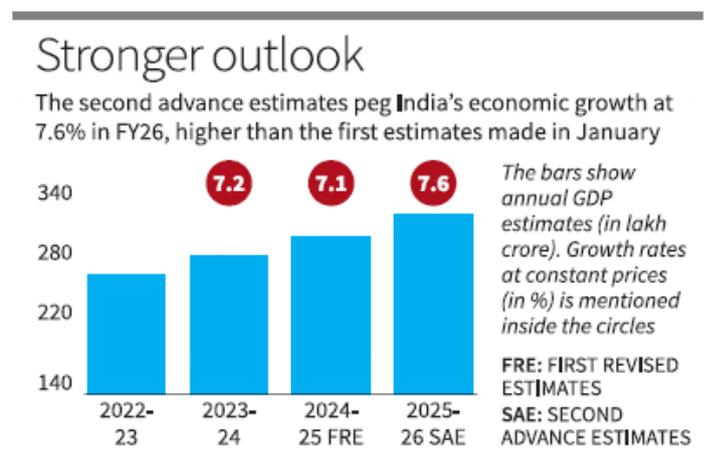
- **GS Paper II:** Government policies and interventions for development in various sectors (Health and Education).
- **GS Paper III:** Science and Technology-indigenization of technology; Indian Economy (Startups and Innovation); Issues relating to Intellectual Property Rights (IPR).
- **Prelims:** Specifically regarding CCRAS, CARI, and various schemes under the Ministry of Ayush.

2. Revised GDP Series: Strategic Shift in India's National Accounting

The Ministry of Statistics and Programme Implementation (MoSPI) has released the second advance estimates for FY26, incorporating a foundational shift in India's Gross Domestic Product (GDP) calculation through a new data series.

Core Summary of the New GDP Series

- **Growth Projection Upgrade:** India's real GDP growth for FY26 is now estimated at 7.6% under the new series, an upward revision from the 7.4% projected in the January advance estimates.
- **Base Year Revision:** The government has updated the base year for national accounts from 2011-12 to 2022-23 to better reflect the structural changes, consumption patterns, and technological shifts in the modern economy.
- **Data Granularity:** The new series integrates several fresh datasets and improved methodologies to enhance representativeness, aiming for a more accurate capture of the unorganized sector and digital economy.
- **Historical Revisions:** The growth rate for FY24 was revised downward to 7.2% (from 9.2%), while FY25 saw an upward revision to 7.1% (from 6.5%), indicating a recalibration of the post-pandemic recovery trajectory.





- **Nominal GDP Impact:** The absolute size of the nominal GDP has been revised downward for the 2023-26 period, which creates a mathematical "denominator effect" on key macroeconomic indicators.
- **Fiscal Implications:** A lower nominal GDP base implies that ratios such as the Fiscal Deficit-to-GDP and Debt-to-GDP will appear higher, potentially challenging the government's fiscal consolidation targets despite robust real growth.

Key Definitions

- **Base Year:** A representative year used as a benchmark for calculating real growth by eliminating the effects of inflation. Updating it prevents the "base effect" from distorting current economic reality.
- **Real vs. Nominal GDP:** Real GDP is inflation-adjusted, measuring actual production volume, while Nominal GDP is calculated at current market prices without adjusting for inflation.
- **Denominator Effect:** A phenomenon where a ratio (like Debt/GDP) increases not because the numerator (Debt) grew, but because the denominator (GDP) was revised downward.

Constitutional and Legal Provisions

- **Article 112:** Relates to the Annual Financial Statement (Budget). Accurate GDP data is vital for the constitutional requirement of presenting a transparent account of the nation's finances.
- **FRBM Act, 2003:** The Fiscal Responsibility and Budget Management Act mandates specific targets for fiscal deficit as a percentage of GDP. Changes in GDP calculation directly impact compliance with this legal framework.
- **Collection of Statistics Act, 2008:** Provides the legal backing for MoSPI and the National Statistical Office (NSO) to collect data from industrial and household units for national accounting.

Additional Key Points

- **Sectors Impacted:** The revision usually incorporates newer sectors like gig-work and digital services that were underrepresented in the 2011-12 series.
- **Global Alignment:** Periodic rebasing is a standard practice recommended by the United Nations System of National Accounts (SNA) to ensure international comparability of economic data.
- **Policy Calibration:** The Chief Economic Adviser (CEA) noted that while the new series shows faster current growth, the lower nominal base requires cautious fiscal planning for the upcoming budget cycles.

Conclusion: The transition to the 2022-23 base year aligns India's statistical architecture with its current economic profile. While the surge in real growth to 7.6% signals strong momentum, the downward revision of the nominal base necessitates a tighter grip on fiscal management to maintain investor confidence and debt sustainability. **UPSC Relevance:**

- **GS Paper III:** Indian Economy and issues relating to planning, mobilization of resources, growth, development, and employment.
- **Prelims:** Concepts of GDP, GVA, Base Year effects, and the roles of NSO and MoSPI.
- **Economic Survey/Budget:** These estimates form the bedrock of the projections found in the annual Economic Survey.



3. Maharashtra's Ladki Bahin Yojana: Fiscal Challenges and Infrastructure Concerns

The Maharashtra state government has reaffirmed its commitment to the 'Mukhyamantri Majhi Ladki Bahin Yojana' despite acknowledging that the massive budgetary allocation for the cash-transfer scheme is exerting significant fiscal pressure on other developmental departments, including Forestry and Rural Infrastructure.

Core Summary of the Fiscal and Administrative Brief

- **Scheme Fundamentals:** The Ladki Bahin Yojana is a flagship social welfare initiative providing monthly financial assistance of 1,500 to eligible women, aimed at enhancing female financial autonomy and nutrition.
- **Fiscal Crowding Out:** The state leadership has admitted to "fiscal strain," where high expenditure on DBT (Direct Benefit Transfer) schemes is leading to reduced liquidity for infrastructure projects in tribal and forest settlements.
- **Asset Monetization Strategy:** To counter the fund crunch, the Forest Department proposes using 12,000 crore worth of teak plantations as collateral to secure a 6,000 crore loan for pending works and road connectivity.
- **Infrastructure Deficit:** Concerns have been raised regarding the lack of basic "last-mile" connectivity in Dhangar (shepherd) and tribal hamlets, where patients often must be carried manually due to the absence of all-weather roads.
- **Human-Wildlife Mitigation:** A portion of the new revenue generated through forest assets is slated for the voluntary relocation of villagers from core tiger reserves to reduce man-animal conflict and provide sustainable livelihoods.
- **Policy Continuity:** Despite administrative challenges and opposition queries regarding underfunded departments, the government has officially stated there is no intention to roll back the scheme.



Key Definitions

- **Fiscal Strain:** A situation where government expenditures exceed revenue or where mandatory spending on welfare leaves insufficient capital for infrastructure and maintenance.
- **Core Forest Area:** The innermost part of a protected area or National Park where human activity is strictly regulated to ensure a sanctum for wildlife.
- **Direct Benefit Transfer (DBT):** A mechanism of transferring subsidies or cash directly into the bank accounts of beneficiaries to reduce leakages and delays.

Constitutional and Legal Provisions

- **Article 15(3):** Empowers the State to make "special provisions for women and children," providing the constitutional bedrock for schemes like Ladki Bahin.
- **Article 38:** Directs the State to promote the welfare of people by securing a social order in which justice—social, economic, and political—shall inform all institutions of national life.
- **Forest (Conservation) Act, 1980:** Governs the diversion of forest land for non-forest purposes, such as building concrete roads in Dhangar settlements mentioned in the legislative debate.



- **FRBM Act (State Level):** The Maharashtra Fiscal Responsibility and Budgetary Management Act sets limits on the state's fiscal deficit, which is currently being tested by large-scale welfare payouts.

Additional Key Points

- **The Dhargar Community:** Predominantly a shepherd community in Maharashtra, their settlements (Wadis) in hilly forest terrains often face geographical isolation and lack of basic healthcare access.
- **Collateralized Forestry:** The move to use teak as a financial instrument represents a shift toward innovative internal resource mobilization by state departments to bypass budgetary bottlenecks.
- **Relocation Dynamics:** Successful relocation from forest cores depends on the "voluntary" nature of the move and the quality of the "Alternative Agricultural Land" provided under the Rehabilitation and Resettlement (R&R) policy.

Conclusion: While the Ladki Bahin Yojana serves as a vital social safety net, its implementation highlights the classic economic trade-off between "welfare spending" and "capital investment." The government's plan to leverage forest assets suggests an evolving strategy to balance popular social schemes with the urgent need for rural and environmental infrastructure. **UPSC Relevance:**

- **GS Paper II:** Welfare schemes for vulnerable sections of the population by the Centre and States and the performance of these schemes.
- **GS Paper III:** Issues related to direct and indirect farm subsidies and minimum support prices; Public Distribution System; Government Budgeting; Environment and Biodiversity (Man-animal conflict).
- **Ethics (GS IV):** Ethical dilemmas in governance regarding the allocation of limited resources between immediate relief (cash) and long-term development (roads/healthcare).

4. Exercise Vayushakti-26: A Demonstration of IAF's Strategic Reach and Precision

The Indian Air Force (IAF) successfully concluded 'Exercise Vayushakti-26' at the Pokhran Field Firing Range in Jaisalmer, Rajasthan. This triennial event served as a massive display of the IAF's offensive and defensive capabilities, witnessed by the President of India, Smt. Droupadi Murmu, and the top military leadership.

Core Summary of Exercise Vayushakti-26

- **Scale and Participation:** The exercise featured over 130 aircraft, including a diverse fleet of fighters like Rafale, Su-30 MKI, Mirage-2000, and Jaguars, alongside indigenous platforms like Tejas, ALH Dhruv, and LCH Prachand.
- **Operational Storyline:** For the first time, the exercise was conducted along a defined operational narrative, simulating a live combat theatre that integrated air strikes, air defence, special operations, and humanitarian missions.
- **Precision Firepower:** The IAF demonstrated its "Achook, Abhedya aur Sateek" (Accurate, Invincible, and Precise) doctrine through day-and-night precision strikes using long-range weapons and precision-guided munitions (PGMs) against simulated enemy targets.
- **Jointmanship and Integration:** The drill highlighted seamless coordination between the Air Force and Army, specifically through the integrated use of ground-based air defence systems like Akash and Spyder alongside Army assets like M-777 ultra-light howitzers.





- **Special Operations:** Elements of the Garud Special Forces and Para SF executed high-stakes urban intervention and hostage rescue missions, supported by Mi-17, C-130J, and the newly inducted C-295 transport aircraft.
- **Push for Atmanirbharta:** The participation of indigenous platforms and the President's sortie in the LCH Prachand underscored India's growing self-reliance in high-tech defence manufacturing and aerospace engineering.

Key Definitions

- **Sonic Boom:** A loud, explosive noise caused by the shock waves created by an object (like a Rafale fighter) traveling faster than the speed of sound (Mach 1).
- **Advanced Landing Ground (ALG):** A short, often unpaved or semi-prepared airstrip located near a conflict zone or remote area used for rapid deployment and casualty evacuation.
- **Jointmanship:** The coordinated action of different branches of the military (Army, Navy, Air Force) to achieve a common strategic or tactical objective.

Constitutional and Legal Provisions

- **Article 53(2):** Vests the Supreme Command of the Defence Forces of the Union in the President. The presence of the President as the Chief Guest at Pokhran directly reflects this constitutional role.
- **Union List (Seventh Schedule):** Under Entry 1 and 2, the "Defence of India" and "Naval, military and air forces" fall exclusively under the legislative and executive jurisdiction of the Central Government.
- **Armed Forces Act, 1947:** Provides the legal framework for the governance, discipline, and operational deployment of the Indian Air Force.

Additional Key Points

- **Night Capabilities:** The transition from day to night operations proved the IAF's "round-the-clock" dominance, utilizing advanced sensors and night-vision technologies for precision bombing.
- **C-295 Induction:** The involvement of the C-295 aircraft marks a significant milestone in replacing the aging Avro fleet, enhancing the IAF's tactical airlift and paratrooping capacity.
- **Strategic Deterrence:** By conducting such large-scale drills near the western border, India signals its readiness to respond to multi-domain threats, serving as a pillar of regional stability.
- **Drone Display:** The conclusion featured a drone show, highlighting the IAF's embrace of unmanned aerial systems (UAS) and "swarming" technologies in modern warfare.

Conclusion: Exercise Vayushakti-26 was not merely a display of hardware but a validation of the IAF's evolving operational doctrine. It proved that the force has successfully transitioned into a multi-domain, network-centric entity capable of delivering decisive blows while maintaining the agility required for humanitarian assistance and disaster relief (HADR). **UPSC Relevance:**

- **GS Paper III:** Internal Security; Challenges to internal security through communication networks; Role of media and social networking sites in security challenges; Various Security forces and agencies and their mandate.
- **GS Paper III:** Science and Technology-developments and their applications and effects in everyday life; Indigenization of technology and developing new technology.



- **Prelims:** Specific aircraft names (Rafale, LCH Prachand, C-295), missile systems (Akash, Spyder), and the location of major firing ranges (Pokhran).

5. VSHORADS Flight-Trials: Strengthening India's Low-Altitude Air Defence

The Defence Research & Development Organisation (DRDO) successfully conducted three consecutive flight-trials of the Very Short-Range Air Defence System (VSHORADS) from the Integrated Test Range (ITR), Chandipur. These trials, conducted in a final deployment configuration, revalidated the system's ability to intercept high-speed aerial threats at varying altitudes and ranges, marking a significant step toward its induction into the Indian Armed Forces.

Core Summary of the VSHORADS Mission

- **Indigenous Development:** VSHORADS is a Man-Portable Air Defence System (MANPADS) designed and developed by the Research Centre Imarat (RCI), Hyderabad, in collaboration with other DRDO laboratories and industry partners.
- **Versatile Interception:** The system is specifically engineered to neutralise low-altitude aerial threats such as enemy aircraft, helicopters, and unmanned aerial vehicles (UAVs) flying at high speeds.
- **Joint Forces Capability:** Designed as a common platform, the missile system is intended to meet the tactical air defence requirements of all three wings: the Indian Army, Navy, and Air Force.
- **Testing Precision:** The trials utilized high-speed targets mimicking actual combat scenarios, with data validated through Telemetry, Electro-Optical Tracking Systems (EOTS), and Radars at the ITR.
- **Field Operator Validation:** Unlike laboratory tests, these trials involved target acquisition and firing by actual field operators, ensuring the system's reliability in real-world combat conditions.
- **Atmanirbhar Bharat in Defence:** The success of these trials reduces India's dependence on foreign MANPADS (like the Russian Iгла or US Stinger), bolstering the domestic defence manufacturing ecosystem.



Key Definitions

- **MANPADS:** Man-Portable Air Defence Systems; these are lightweight, surface-to-air missiles that can be carried and fired by a single infantry soldier or a small team.
- **ITR Chandipur:** The Integrated Test Range located in Odisha, which serves as India's primary facility for testing various missiles and flight vehicles.
- **Research Centre Imarat (RCI):** A premier DRDO laboratory responsible for the design, development, and delivery of avionics systems and guided missiles.

Constitutional and Legal Provisions

- **Article 51(A):** Fundamental Duties; specifically, to "defend the country and render national service when called upon to do so." Technological indigenization supports the state's capacity to fulfill this duty.



- **Union List (Seventh Schedule):** Entry 1 (Defence of India) and Entry 2 (Naval, military and air forces) grant the Parliament exclusive power to legislate on matters of national security and advanced weaponry.
- **Defence Acquisition Procedure (DAP) 2020:** The policy framework that prioritizes "Buy (Indian-IDDMM)" (Indigenously Designed, Developed and Manufactured) categories, under which VSHORADS falls.

Additional Key Points

- **Technological Edge:** The missile incorporates a miniaturized Reaction Control System (RCS) to increase maneuverability and an integrated tripod for stable firing.
- **Propulsion:** It is powered by a dual-thrust solid motor, providing the necessary acceleration to intercept fast-moving targets within seconds of launch.
- **Replacement Strategy:** VSHORADS is expected to replace the older, imported shoulder-fired missile systems currently in use along India's mountainous borders (LAC and LoC).
- **Strategic Deployment:** Its portability makes it ideal for deployment in difficult terrains like the Himalayas, where heavy air defence machinery cannot reach.

Conclusion: The successful validation of VSHORADS represents a critical milestone in India's pursuit of a multi-layered air defence umbrella. By mastering the technology for short-range, man-portable interception, DRDO has provided the Armed Forces with a flexible and potent tool to counter modern "gray-zone" threats like swarming drones and low-flying jets. **UPSC Relevance:**

- **GS Paper III:** Science and Technology; Indigenization of technology and developing new technology; Awareness in the fields of IT, Space, and Computers.
- **GS Paper III:** Internal Security; Security challenges and their management in border areas; Various Security forces and agencies and their mandate.
- **Prelims:** Specific technical terms (MANPADS, ITR, RCI), name of the missile system, and its indigenous nature.

6. Commissioning of INS Anjadip: Bolstering India's Coastal Anti-Submarine Warfare

The Indian Navy officially commissioned **INS Anjadip**, the fourth vessel of the Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) project, at Chennai Port on February 27, 2026. Named after the strategic island off Karwar, this indigenously built warship marks a significant leap in India's "Dolphin Hunting" capabilities within the littoral zones.

Core Summary of the Commissioning

- **Strategic Induction:** INS Anjadip is the fourth in a series of eight ASW-SWC ships, joining predecessors like INS Arnala and INS Androth to enhance the Navy's sub-surface detection capabilities in shallow waters.
- **Operational Role:** Specially designed for the "littoral zone" (coastal waters), the vessel is tasked with detecting, tracking, and neutralizing enemy submarines, protecting maritime trade routes and vital coastal infrastructure.
- **Technical Specifications:** The 77-meter-long ship displaces 1400 tons and features an advanced Combat Management System (CMS) integrated with a modern ASW suite, including hull-mounted sonars and lightweight torpedoes.



- **Indigenous Prowess:** Reflecting the "Atmanirbhar Bharat" vision, the ship boasts over 80% indigenous content, encompassing its design, construction by GRSE and L&T, and critical defense electronics.
- **Command and Control:** The vessel has been placed under the operational and administrative control of the Flag Officer Commanding, Tamil Nadu and Puducherry Naval Area, focusing on the security of the Bay of Bengal region.
- **Tactical Significance:** As a "Dolphin Hunter," it fills the critical gap between large destroyers and smaller patrol craft, providing high-speed, sustained response capabilities in complex coastal environments.



Key Definitions

- **Anti-Submarine Warfare (ASW):** A branch of underwater warfare that uses surface warships, aircraft, or other submarines to find, track, and deter or destroy enemy submarines.
- **Littoral Zone:** The part of a sea, lake, or river that is close to the shore. In naval terms, it refers to coastal regions where specialized "shallow water" vessels are required due to depth constraints.
- **Combat Management System (CMS):** The "brain" of the ship that integrates data from all sensors (radars, sonars) and weapons to provide a unified tactical picture for the commander.

Constitutional and Legal Provisions

- **Article 51(A):** Fundamental Duties, specifically Clause (d), which mandates citizens to defend the country and render national service. Strengthening the Navy is a state function that enables this duty.
- **Union List (Seventh Schedule):** Entry 2 specifies "Naval, military and air forces; any other armed forces of the Union" as the exclusive domain of the Parliament.
- **Territorial Waters, Continental Shelf, EEZ and Other Maritime Zones Act, 1976:** Provides the legal framework for India's sovereignty over its territorial waters (12 nautical miles) and sovereign rights in the EEZ (200 nautical miles), which INS Anjadip will help enforce.

Additional Key Points

- **The "Arnala" Class:** INS Anjadip belongs to the Arnala class of ships, intended to replace the aging Abhay-class ASW corvettes of the Indian Navy.
- **Maritime Domain Awareness (MDA):** The induction of these crafts is crucial for MDA, especially given the increasing presence of foreign conventional and nuclear-powered submarines in the Indian Ocean Region (IOR).
- **Coastal Security Architecture:** Post-26/11, India has revamped its coastal security; the ASW-SWC project is a key component in preventing sub-surface infiltrations that could target offshore oil rigs or nuclear plants.
- **Collaborative Shipbuilding:** The project showcases a successful Public-Private Partnership (PPP) model, with Garden Reach Shipbuilders & Engineers (GRSE) collaborating with Larsen & Toubro (L&T) for construction.



Conclusion: The commissioning of INS Anjadip is a testament to the Indian Navy's transition from a "Buyer's Navy" to a "Builder's Navy." By securing the shallow waters where large combatants struggle to operate, this vessel ensures that India's maritime frontiers remain "Abhedya" (Impenetrable), safeguarding the nation's economic and strategic interests in the IOR. **UPSC Relevance:**

- **GS Paper III:** Internal Security (Coastal Security); Science and Technology (Indigenization of technology); Role of external state and non-state actors in creating challenges to internal security.
- **GS Paper II:** Government policies and interventions for development in various sectors.
- **Prelims:** Specific ship names (Anjadip, Arnala), the location of the commissioning (Chennai), and the concept of ASW-SWC.

7. Digital Oversight in Public Finance: Launch of Government Bank Dashboard and Manual

The Controller General of Accounts (CGA) has introduced two pivotal tools—the Government Bank Dashboard and the Government Bank Manual—to modernize the management of government business by authorized banks. These initiatives mark a shift toward real-time monitoring and standardized operational protocols to ensure the integrity of public fund transitions.

Core Summary of the CGA Initiatives

- **Standardized Framework:** The Government Bank Manual establishes a uniform set of operational procedures, reporting obligations, and reconciliation timelines for all banks handling government transactions.
- **Risk Mitigation:** By defining clear compliance requirements, the manual aims to reduce ambiguity and operational risks, ensuring that public money is handled with high accountability.
- **Real-Time Monitoring:** The Government Bank Dashboard provides a data-driven platform to track Key Performance Indicators (KPIs) such as remittance timelines and transaction success rates in real-time.
- **Proactive Oversight:** This digital shift moves the CGA's role from reactive, post-facto auditing to proactive performance management and immediate corrective interventions.
- **Enhanced Accountability:** The initiatives institutionalize objective benchmarks for banks, reinforcing the shared responsibility of financial institutions in safeguarding the exchequer.
- **Future Integration:** The roadmap includes the incorporation of advanced analytics, strengthened cybersecurity safeguards, and deeper digital integration to further modernize the banking ecosystem.



Key Definitions

- **Controller General of Accounts (CGA):** The principal advisor to the Government of India on accounting matters, responsible for establishing and maintaining a technically sound management accounting system.
- **Government Business:** Refers to the various financial activities conducted by banks on behalf of the government, including tax collection, pension payments, and the disbursement of various subsidies.



- **Reconciliation:** The process of ensuring that two sets of records (e.g., the bank's statement and the government's accounting books) are in agreement.

Constitutional and Legal Provisions

- **Article 150:** The accounts of the Union and of the States shall be kept in such form as the President may, on the advice of the Comptroller and Auditor-General of India, prescribe. The CGA performs the actual accounting functions for the Union.
- **Allocation of Business Rules, 1961:** Defines the duties of the CGA under the Department of Expenditure, Ministry of Finance, including the preparation of Appropriation and Finance Accounts.
- **Payment and Settlement Systems Act, 2007:** Provides the legal framework for the regulation and supervision of payment systems in India, relevant to how banks process electronic government transactions.

Additional Key Points

- **Efficiency in DBT:** These tools will indirectly improve the efficiency of Direct Benefit Transfer (DBT) schemes by ensuring bank-end processing is seamless and transparent.
- **Public Financial Management System (PFMS):** The new dashboard complements the existing PFMS by providing a specific "banking lens" to the movement of funds.
- **Cybersecurity Focus:** With the move toward real-time digital monitoring, the CGA emphasized that the next phase will prioritize robust cyber-defense mechanisms for banking data.
- **Capacity Building:** The reform includes institutional training for bank officials to align their internal processes with the new Government Bank Manual.

Conclusion: The launch of the Government Bank Dashboard and Manual represents a significant milestone in India's public financial management. By leveraging technology for "proactive oversight" rather than "post-facto correction," the government is ensuring that the banking interface—a critical link in the delivery of public services—operates with maximum transparency and minimal leakage. **UPSC Relevance:**

- **GS Paper II:** Statutory, regulatory and various quasi-judicial bodies (CGA vs. CAG); Transparency and accountability in governance.
- **GS Paper III:** Indian Economy and issues relating to planning, mobilization of resources, and budgeting; E-governance- applications, models, successes, and limitations.
- **Prelims:** Roles and responsibilities of the CGA; Difference between CGA and CAG; Key features of the PFMS and new banking dashboards.

8. Kerala's Global Vision: Transforming from Remittance to Innovation Economy

Introduction: Historically a hub of cosmopolitan trade, Kerala is positioned at a unique developmental crossroads. The state is moving beyond its traditional "Remittance Economy" (valued at approximately 1.3 lakh crore annually) to embrace an "Innovation Economy," leveraging its high social indicators and ecological constraints to model itself after small, high-tech nations like the Netherlands, Singapore, and Costa Rica.

Core Summary of Kerala's Strategic Pivot

- **Precision Medicine and "Gene Valley":** Moving beyond general healthcare, Kerala aims to leverage its unique genetic admixture and high-quality population data to establish a "Gene Valley" for biotech and precision medicine, similar to Iceland's model.



- **Med-Tech and Advanced Manufacturing:** Utilizing institutions like the Sree Chitra Tirunal Institute, the state seeks to transition from importing medical devices to manufacturing high-value components like stents, heart valves, and surgical robots.
- **Knowledge-Based "Weightless Economy":** Given ecological sensitivities, Kerala is prioritizing low-footprint, high-intellect sectors. Thiruvananthapuram is emerging as a "Space Citadel," leveraging the presence of VSSC, LPSC, and IIST to foster private space-tech startups.
- **Blue Economy and Logistics:** The Vizhinjam International Seaport is envisioned as a global logistics city for assembly and repackaging (Singapore model) and a "gas station" for green ammonia to fuel future maritime fleets.
- **High-Tech Agriculture and Marine Farming:** With limited land, the state is adopting the "Dutch model" of glasshouse farming and vertical spice extraction, while shifting from traditional fishing to sustainable marine algae and shrimp farming (Norway model).
- **Service Sector Diversification:** Kerala aims to become a global hub for international commercial arbitration, a post-production back-office for global cinema (VFX/Gaming), and a destination for "heritage luxury" by elevating traditional crafts like Balaramapuram handloom to global couture.



Key Definitions

- **Remittance Economy:** An economy heavily dependent on the money sent back by its citizens working abroad.
- **Weightless Economy:** An economy based on intangible products like software, intellectual property, and professional services that require minimal physical raw materials.
- **Precision Medicine:** A medical model that proposes the customization of healthcare, with medical decisions and treatments being tailored to an individual patient based on their genetic content.
- **Green Ammonia:** Ammonia produced through a process that is 100% renewable and carbon-free, typically used as a sustainable fuel for shipping.

Constitutional and Legal Provisions

- **Article 246 (Seventh Schedule):** Kerala's focus on Public Health (State List, Entry 6) and Industries (State List, Entry 24) is balanced with Union List items like Space Research (Entry 6) and Maritime Shipping (Entry 25).
- **Biological Diversity Act, 2002:** Crucial for Kerala as one of the world's "hottest hotspots" of biodiversity; it governs the "Gene Valley" initiatives and the use of medicinal plants.
- **State Planning Board:** The primary body responsible for formulating the "Innovation Economy" framework and aligning it with the UN Sustainable Development Goals (SDGs), where Kerala consistently ranks first in India.
- **Coastal Regulation Zone (CRZ) Norms:** Legal frameworks that govern the development of the Vizhinjam port and marine farming to ensure ecological preservation.



Additional Key Points

- **Demographic Dividend to "Silver Economy":** As India's fastest-aging society, Kerala is turning a demographic challenge into an opportunity by developing "retirement villages" and world-class assisted living for global "grey nomads."
- **Graphene and Superconductors:** With the India Innovation Centre for Graphene in Kochi, the state is targeting the production of next-generation microchips using local rare earth minerals like ilmenite and monazite.
- **Climate Expertise:** Positioning itself as a "living lab," Kerala intends to export its expertise in flood-resistant housing and disaster-resilient infrastructure to other tropical nations.
- **Educational Legacy:** With a literacy rate of 96.2%, the state is pivoting its human capital from "exporting labor" to "exporting intellect and design."

Conclusion: Kerala is redefining its developmental narrative by choosing to compete with global city-states and innovative small nations rather than traditional industrial belts. By blending its historical cosmopolitanism with cutting-edge technology in space, biotech, and sustainable luxury, the state seeks to become a destination for global solutions rather than just a source of global labor.

UPSC Relevance:

- **GS Paper II:** Federalism and State-specific developmental models; Issues relating to health, education, and human resources.
- **GS Paper III:** Indian Economy (Changes in industrial policy and their effects); Science and Technology (Indigenization of technology); Environment (Biodiversity and Climate Resilience).
- **Essay Paper:** Often features themes on "Alternative Developmental Models" or "The Blue Economy."

9. International Law: Resilience Amidst Global Power Shift and Conflict

Introduction: Despite increasing instances of the "use of force" and the rise of populist-authoritarianism, international law remains a resilient normative framework. While the breach of fundamental norms in Ukraine, Gaza, and West Asia has led some to predict a "norm-free world," the systemic operation of international law in trade, aviation, and human rights proves its continued utility as the only mechanism to hold global power accountable.

Core Summary of the Global Legal Order

- **Endurance of Article 2(4):** The UN Charter's prohibition on the "threat or use of force" has survived numerous batterings—from the Cold War to the Iraq invasion. It remains the essential benchmark for international legitimacy, even when breached.
- **The "Legalization" of Power:** International law compels even hegemonic states to justify their actions. By framing conduct within a legal discourse, it provides the powerless with the "agency" to question and challenge the exercise of public power.
- **Shift to Brazenness:** A qualitative change is noted in modern conflicts where "populist-authoritarian" regimes make scarce attempts to justify military actions under legal frameworks, posing a greater threat to the global order than the military strikes themselves.





- **Silent Successes:** Beyond the UN Charter, international law functions "silently and seamlessly" across diverse sectors including civil aviation, maritime resources, global trade, and climate change, enabling the daily cross-border flow of goods and people.
- **Judicialization of Relations:** The proliferation of international courts (e.g., ICC, African Court on Human and Peoples' Rights) demonstrates that complex disputes are increasingly being resolved through legal institutionalism rather than pure coercion.
- **New Treaty Frontiers:** International law-making continues unabated with recent milestones like the High Seas Treaty and the Pandemic Agreement, proving that the global community still relies on collective legal instruments for survival.

Key Definitions

- **Article 2(4) of the UN Charter:** A foundational principle of international law that prohibits member states from using force against the territorial integrity or political independence of any state.
- **Jus ad Bellum:** The set of criteria that are consulted before engaging in war in order to determine whether entering into war is permissible (Just War theory).
- **High Seas Treaty:** A legally binding instrument under the UN Convention on the Law of the Sea (UNCLOS) for the conservation and sustainable use of marine biological diversity in areas beyond national jurisdiction.
- **International Commercial Arbitration:** A private mechanism for the settlement of disputes between parties of different nations, often used to bypass domestic court systems in global trade.

Constitutional and Legal Provisions

- **Article 51 of the Indian Constitution:** A Directive Principle (DPSP) that mandates the State to "foster respect for international law and treaty obligations in the dealings of organized peoples with one another."
- **Article 253:** Grants the Parliament of India the power to make any law for the whole or any part of the territory of India for implementing any treaty, agreement, or convention with any other country.
- **UN Charter (1945):** The constituent treaty of the United Nations which provides the primary legal basis for modern international relations and collective security.
- **Rome Statute:** The treaty that established the International Criminal Court (ICC) to prosecute individuals for genocide, crimes against humanity, and war crimes.

Additional Key Points

- **The Denominator Effect of Breaches:** Media focus on high-profile military breaches often overshadows the 99% of international interactions—from post offices to flight paths—that follow international law perfectly.
- **Self-Defence Exception:** Article 51 of the UN Charter provides the only legal exception for the use of force, allowing for individual or collective self-defence if an armed attack occurs.
- **India's Role:** India's recent conclusion of FTA negotiations with the EU and its active participation in the Global South's legal discourse reflect its commitment to a rules-based order.
- **Democratic Accountability:** Just as a domestic constitution is not abandoned when a regime acts illegally, the international legal order must be preserved to prevent the world from descending into "might is right."



Conclusion: Proclaiming the death of international law is intellectually misleading and politically dangerous as it emboldens "global bullies." International law is not merely about preventing war; it is the infrastructure of global civilization. In an era of rupture, the preservation of this liberal international order is the only safeguard against a chaotic, lawless world.

UPSC Relevance:

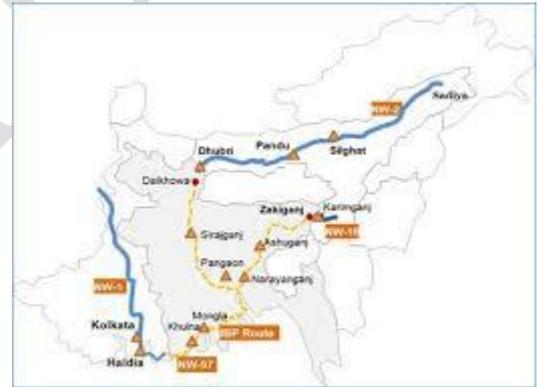
- **GS Paper II:** Important International institutions, agencies and fora - their structure, mandate; Effect of policies and politics of developed and developing countries on India's interests.
- **GS Paper IV:** Ethical issues in international relations and funding; Corporate governance.
- **Essay Paper:** Themes related to "Global Order," "Might vs. Right," and "The Role of Diplomacy in the 21st Century."

10. Strategic Inland Waterway Infrastructure: Bolstering National Waterway-2 (Brahmaputra)

The Union Ministry of Ports, Shipping and Waterways (MoPSW) has inaugurated three critical projects in Assam aimed at enhancing the logistical and cultural infrastructure of National Waterway-2 (NW-2). These developments, centered in Dibrugarh and Dhubri, represent a significant push toward integrating the Northeast into the global trade map through the Indo-Bangladesh Protocol (IBP) routes.

Core Summary of the Infrastructure Push

- **Project Composition:** The inauguration includes two modern Customs and Immigration Complexes at Bogibeel and Dhubri, along with the restoration of the IWAI Heritage Building in Dibrugarh.
- **Integrated Trade Facilitation:** The Bogibeel complex serves as a unified terminal for cargo and tourism, featuring dedicated administrative blocks and security systems to streamline cross-border movement.
- **Strategic Gateways:** The Dhubri complex is positioned to act as a regulatory hub for EXIM (Export-Import) operations, facilitating smoother trade transitions with neighboring Bangladesh and Bhutan.
- **Vikas and Virasat Philosophy:** The renovation of the IWAI Heritage Building reflects a dual approach of modernization ("Vikas") and historical preservation ("Virasat"), serving administrative needs while boosting riverine tourism.
- **Logistical Efficiency:** By strengthening the infrastructure on the Brahmaputra, the government aims to reduce transportation costs and provide a sustainable alternative to congested rail and road networks in the Northeast.
- **Regional Connectivity:** These projects reinforce the role of the Brahmaputra as a dependable economic corridor, aligning with the "Act East Policy" to position the Northeast as India's growth engine.



Key Definitions

- **National Waterway-2 (NW-2):** A 891 km stretch of the Brahmaputra river from Sadiya to Dhubri (Assam-Bangladesh border), designated as a National Waterway in 1988.



- **Indo-Bangladesh Protocol (IBP) Route:** An agreement between India and Bangladesh allowing for the transit of vessels through each other's inland waterways for trade.
- **Inland Waterways Authority of India (IWAI):** A statutory body under the MoPSW responsible for the development and regulation of inland waterways for shipping and navigation.

Constitutional and Legal Provisions

- **National Waterways Act, 2016:** This landmark legislation declared 111 waterways as "National Waterways," including 20 rivers in the Northeast, to enable federal funding and systematic development.
- **Seventh Schedule (Union List):** Entry 24 grants the Union Government exclusive power over shipping and navigation on inland waterways declared by Parliament to be national waterways.
- **Article 29:** Relates to the "Protection of interests of minorities" and the conservation of distinct language, script, or culture. The "Virasat" (Heritage) aspect of these projects aligns with the spirit of preserving regional cultural identity.

Additional Key Points

- **Multimodal Integration:** The Bogibeel complex is near the Bogibeel Bridge, India's longest rail-cum-road bridge, facilitating seamless transition between water, rail, and road transport.
- **Environmental Sustainability:** Inland water transport consumes significantly less fuel per ton-km compared to road transport, contributing to India's "Net Zero" climate commitments.
- **Active NW Development:** Beyond NW-2, the Ministry is actively developing the Barak (NW-16), Dhansiri (NW-31), and Kopili (NW-57) to create a comprehensive water-grid in the region.
- **Economic Impact:** The reduction in logistics costs is expected to make Northeastern agricultural and tea exports more competitive in international markets.

Conclusion: The inauguration of these complexes signifies a transition from basic river navigation to a sophisticated, regulated trade ecosystem. By combining customs, immigration, and heritage preservation, the government is transforming the Brahmaputra from a local lifeline into a robust international trade corridor, bridging the gap between the Northeast and Southeast Asian economies. **UPSC Relevance:**

- **GS Paper II:** Government policies and interventions for development in various sectors and issues arising out of their design and implementation.
- **GS Paper III:** Infrastructure: Energy, Ports, Roads, Airports, Railways etc.; Internal Security challenges (Border management and trade regulation).
- **Prelims:** Locations of National Waterways (NW-2, NW-16), roles of IWAI, and the significance of the Bogibeel and Dhubri ports in cross-border trade.

11. Revamping Forest Rights Implementation: Transition from FRA Cells to PMUs

The Ministry of Tribal Affairs (MoTA) is restructuring its administrative framework for tribal welfare by transitioning from specialized Forest Rights Act (FRA) Cells to integrated "One-Stop" Project Monitoring Units (PMUs). This shift aims to consolidate various tribal policies under a single coordinating body to reduce operational costs and enhance administrative efficiency across States and Union Territories.



Core Summary of the Administrative Restructuring

- **From Specialized to Integrated:** The existing FRA Cells, originally sanctioned under the DAJGUA programme to focus solely on the Forest Rights Act, 2006, are being replaced by Project Monitoring Units (PMUs) with an expanded mandate.
- **Structural Composition:** Each State/UT PMU will now consist of a four-member expert team covering FRA support, livelihood support, Information Technology (IT)/MIS expertise, and administrative leadership.
- **Ground-Level Coordination:** At the district level, the new structure mandates two FRA experts and one MIS expert to ensure streamlined coordination and data management for all tribal-related policies.
- **Rationale for Change:** The Ministry cited "increasing costs" and "communication gaps" caused by maintaining separate cells for individual policies, seeking a more unified approach to policy execution.
- **Digitization and Records:** A primary focus of these units remains the expedited processing of forest rights claims and the digitization of existing land titles to ensure a transparent record-keeping system.
- **State-Level Implementation:** While some states like Odisha have already begun closing subdivision-level FRA cells, others like Chhattisgarh are exploring ways to absorb existing cell functions into the broader PMU ambit.



Key Definitions

- **Forest Rights Act (FRA), 2006:** Formally known as The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, it recognizes the rights of forest-dwelling communities to land and other resources.
- **Project Monitoring Unit (PMU):** A centralized unit responsible for the oversight, coordination, and technical support of various government projects within a specific jurisdiction.
- **MIS (Management Information System):** An information system used for decision-making, and for the coordination, control, analysis, and visualization of information in an organization.

Constitutional and Legal Provisions

- **Article 244(1):** Relates to the administration of Scheduled Areas and Tribal Areas. The revamp of implementation cells directly impacts how these areas are governed and how rights are dispersed.
- **Fifth and Sixth Schedules:** These provide for the administration of tribal-dominated areas in various states; the PMUs will be the primary vehicles for executing Central tribal policies in these regions.
- **The Forest Rights Act, 2006:** The parent legislation that these cells/PMUs are designed to implement. It aims to undo "historical injustice" by recognizing individual and community forest rights.
- **PESA Act, 1996:** The Provisions of the Panchayats (Extension to Scheduled Areas) Act, which empowers Gram Sabhas to manage community forest resources, a function the PMUs will need to support.



Additional Key Points

- **DAJGUA Programme:** The initial funding vehicle for FRA cells, which focused on providing human resources to states to clear the backlog of forest rights claims.
- **The "One-Stop" Concept:** By including "livelihood support" in the PMU mandate, the government is linking land rights (FRA) with economic development (livelihood), moving beyond mere legal recognition.
- **Administrative Friction:** The transition has caused temporary confusion at the state level regarding the status of existing staff and the potential dilution of focus on specialized forest rights claims.
- **Temporary Nature of Cells:** The Ministry has clarified that the original FRA cells were temporary interventions, whereas PMUs represent a more permanent, integrated governance structure.

Conclusion: The shift from FRA Cells to Project Monitoring Units reflects a move toward "Minimum Government, Maximum Governance" in tribal affairs. While the consolidation aims to improve synergy between land rights and livelihood schemes, the success of this revamp will depend on ensuring that the core objective of the Forest Rights Act—the timely settlement of claims—is not sidelined by broader administrative duties. **UPSC Relevance:**

- **GS Paper II:** Welfare schemes for vulnerable sections of the population; Governance, Transparency, and Accountability; Constitutional bodies and their mandate.
- **GS Paper III:** Land Reforms in India; Environment and Biodiversity (Community forest management); Issues related to Internal Security (Naxalism and its link to tribal land rights).
- **Prelims:** Specifics of the Forest Rights Act, 2006, the role of the Ministry of Tribal Affairs, and the distinction between individual and community forest rights.

12. Meningococcal Disease Outbreak: Surveillance and Public Health Response in Meghalaya

The Meghalaya government has intensified health surveillance and issued a high-priority advisory following the death of two Agniveer trainees in Shillong due to suspected meningococcal bacterial infection. An active epidemiological investigation is underway in the East Khasi Hills district to contain the spread and monitor high-risk clusters within military training centers.

Core Summary of the Health Crisis

- **Outbreak Origin:** The suspected cases emerged at the Assam Regimental Centre (ARC) in Shillong, affecting over 30 trainees, leading to two fatalities and the quarantine of the remaining batch.
- **Pathogen Profile:** Meningococcal disease is a severe bacterial infection caused by *Neisseria meningitidis*, which can lead to meningitis (infection of the brain lining) and septicaemia (blood poisoning).
- **Epidemiological Investigation:** The District Surveillance Unit has initiated "active contact tracing" and laboratory reviews to identify the specific strain and prevent community transmission.
- **Containment Measures:** Health protocols include the isolation of suspected cases, administration of chemoprophylaxis to close contacts, and strengthening of the Integrated Disease Surveillance Programme (IDSP) in the region.





- **Public Advisory:** The state has urged citizens to avoid crowded places and maintain respiratory hygiene, as the bacteria spread through respiratory droplets or throat secretions.
- **Current Status:** While the situation is currently confined to a specific military cluster, the government is on high alert to ensure no spillover into the civilian population of East Khasi Hills.

Key Definitions

- **Meningococcal Meningitis:** A serious, life-threatening inflammation of the membranes (meninges) surrounding the brain and spinal cord, caused by the bacterium *Neisseria meningitidis*.
- **Epidemiological Investigation:** The study of the distribution and determinants of health-related states or events in specified populations to control health problems.
- **Contact Tracing:** The process of identifying, assessing, and managing people who have been exposed to a disease to prevent onward transmission.
- **Chemoprophylaxis:** The administration of a medication (usually antibiotics) for the purpose of preventing disease or infection in those who have been exposed.

Constitutional and Legal Provisions

- **Article 21:** The Right to Life includes the Right to Health. The state's active surveillance is a fulfillment of its constitutional obligation to protect the lives of its citizens.
- **Article 47 (DPSP):** Directs the State to regard the improvement of public health as among its primary duties.
- **Epidemic Diseases Act, 1897:** Provides the legal framework for the state to take special measures and prescribe regulations to prevent the outbreak or spread of dangerous epidemic diseases.
- **The Disaster Management Act, 2005:** Can be invoked for large-scale health emergencies to coordinate resources between the Centre and State (as seen during the COVID-19 pandemic).

Additional Key Points

- **Integrated Disease Surveillance Programme (IDSP):** This is the decentralized, state-based surveillance system in India that detects and responds to such outbreaks in their early stages.
- **Transmission Dynamics:** The disease is particularly dangerous in "closed settings" like dormitories, barracks, and schools where people live in close proximity.
- **Symptoms to Watch:** High fever, headache, stiff neck, nausea, vomiting, and a characteristic dark purple rash are the primary clinical indicators of the disease.
- **Vaccination:** While vaccines exist for certain serogroups (A, C, W, Y, and B), they are not part of India's Universal Immunisation Programme (UIP) and are usually reserved for high-risk groups or outbreak control.

Conclusion: The meningococcal outbreak in Shillong highlights the vulnerability of high-density training environments to rapid bacterial transmission. Through swift quarantine and active surveillance under the IDSP, the Meghalaya government aims to mitigate the risk. However, the incident underscores the need for robust pre-induction health screening and vaccination protocols for recruits in the armed forces. **UPSC**

Relevance:

- **GS Paper II:** Issues relating to development and management of Social Sector/Services relating to Health; Governance and the role of State Surveillance units.



- **GS Paper III:** Science and Technology-developments and their applications in everyday life (Microbiology and Public Health).
 - **Prelims:** Specifics of the *Neisseria meningitidis* bacteria, the Integrated Disease Surveillance Programme (IDSP), and the Epidemic Diseases Act.
-

VIDHVATH IAS