



CHINMAYA ACADEMY FOR CIVIL SERVICES

CURRENT AFFAIRS

OCTOBER 5-6

INDIA

PM Dhan-Dhaanya Krishi Yojana (PMDDKY)

- Launched by: Government of India to develop 100 Aspirational Agriculture Districts across 29 States/UTs.
- Lead States: Uttar Pradesh (12 districts), Maharashtra (9), Madhya Pradesh & Rajasthan (8 each).
- Selection Criteria: Based on low productivity, moderate crop intensity, and low credit access.

Main Objectives:

1. Boost agricultural productivity
 2. Promote crop diversification
 3. Encourage sustainable farming
 4. Improve post-harvest storage & irrigation
 5. Expand agricultural credit access
- Implementation: No separate budget — convergence of 36 schemes from 11 departments (19 from Agriculture Department); ₹24,000 crore annual investment.
 - Monitoring: 100 Central Nodal Officers (Joint Secretaries) appointed to ensure implementation, coordination, and regular progress evaluation.

[**https://t.me/ChinmayaTnpSC**](https://t.me/ChinmayaTnpSC)

Promotion of Research and Innovation in Pharma-MedTech Sector Scheme (PRIPMS) :

1. **Launched by:** Government of India to boost **research, innovation, and global competitiveness** in the **Pharma and MedTech** sector.
2. **Total Budget:** ₹5,000 crore; aims to support **around 300 projects** with total R&D investment of **₹11,000 crore**.
3. **Objective:**
 - Promote **innovation-driven growth** in pharmaceuticals and medical technology.
 - Focus on **rare diseases, antimicrobial resistance, vaccines, and pandemic/tropical disease devices**.
4. **Project Categories:**
 - **Early-stage projects:** up to ₹9 crore cost; MSMEs/startups eligible for **up to ₹5 crore** support.
 - **Later-stage projects:** up to ₹285 crore cost; **assistance up to ₹100 crore** (35–50% of total cost).
5. **Strategic Priority Innovation (SPI) Areas:**
 - Rare diseases
 - Antimicrobial resistance
 - Vaccine-preventable diseases
 - Tropical & vector-borne diseases
 - Outbreak & pandemic-causing pathogens
6. **Collaboration Focus:**
 - Encourages **industry-academia-startup partnerships** with national-level research institutions.
 - **Special incentives** for collaborative innovation and infrastructure sharing.
7. **Expected Impact:**
 - Strengthen India's **R&D ecosystem and self-reliance** in Pharma-MedTech.
 - Position India as a **global innovation hub** for advanced medicines and medical devices.

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- Supports **Make in India** and **Atmanirbhar Bharat** in healthcare innovation.

SCIENCE AND TECHNOLOGY

ICGS Akshar :

- Commissioned on: 4 October 2025
- Location: Karaikal, Puducherry
- Built by: Goa Shipyard Limited (GSL)
- Class: Adanya-class Fast Patrol Vessel (2nd in series)
- Initiative: Part of 'Make in India' & Atmanirbhar Bharat in defence

Propulsion & Performance

- Engines: Two 3,000 KW diesel engines
- Propellers: Two Controllable Pitch Propellers (CPP) – indigenously developed
- Speed: Up to 27 knots
- Endurance: 1,500 nautical miles (at economical speed)

Armament & Combat Systems

- Main Gun: 30 mm CRN 91
- Secondary Weapons: Two 12.7 mm Stabilized Remote-Controlled Guns (SRCG)

Advanced Systems

- Integrated Bridge System (IBS) – automated navigation
- Integrated Platform Management System (IPMS) – ship control
- Automated Power Management System (APMS) – energy efficiency

India's Hypersonic Missile – Dhvani :

- Dhvani is India's upcoming **hypersonic glide vehicle (HGV)** capable of flying faster than **Mach 5**, marking a major defence breakthrough.
- The missile, about 9 m long and 2.5 m wide, features a blended wing-body design and stealth shaping for radar evasion.
- It can withstand 2,000–3,000°C using ultra-high-temperature ceramic composites during atmospheric reentry.
- **Range:** Estimated 6,000–10,000 km, nearly double that of Agni-5, with high manoeuvrability making interception difficult.
- Developed after the HSTDV scramjet trials, its first test is due in 2025 and deployment expected by 2029–30.
- **Strategic Impact:** Strengthens India's deterrence posture, creates a technological edge over Pakistan, and places India among elite hypersonic powers (US, Russia, China).

INTERNATIONAL NEWS

11th World Green Economy Summit (WGES 2025) :

- **Held at:** Dubai World Trade Centre, **UAE**, in **2025**; attended by **3,300+ participants from 30+ countries**.
- **Theme:** *“Innovating for Impact – Accelerating the Future of the Green Economy.”*
- **Co-located Event: WETEX 2025** (Water, Energy, Technology & Environment Exhibition) – highlighting Dubai's sustainability leadership.
- **Focus Areas:** Net-zero goals, green innovation, SMEs' role, climate finance, youth engagement, and equitable climate policies.

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- **Regional Initiative: Arab Foundations Forum (AFF)** launched the **Arab Regional Climate Commitment** to unite regional actors for local climate solutions.
- **Global Alliance on Green Economy (GAGE):** Announced **2024–2025 flagship initiatives** to help member nations transition toward sustainable and innovation-led economies.
- **Core Message:** Collaboration, accountability, and innovation are key to achieving **global green transformation** and **sustainable economic growth**.

