

SHORTNEWS:

1.JAVELIN MISSILES

Context: India has submitted a **letter of request to the United States** for the **co-production of Javelin anti-tank guided missiles (ATGMs)** within the country.

About Javelin Missile

The Javelin is a **man-portable, fire-and-forget, infrared-guided missile system**.

- It can be carried and launched by a single individual, providing a lightweight and highly effective solution for **anti-tank warfare**.

Development

- The Javelin missile system is developed through a joint venture between two major defense contractors: **Raytheon** and **Lockheed Martin**.

Key Features

- **Fire-and-forget technology:** Its fire-and-forget capability provides **superior survivability** by enabling the operator to immediately relocate after firing.
- **Versatile Targeting:** The missile can target a wide range of targets, including **armored vehicles, bunkers, and caves**.
- **Medium-Range Capability:** It is designed for **medium-range engagements**, providing flexibility in battlefield operations.
- **Man-portable:** The **Javelin system is portable** and can be easily carried by a single soldier.

2.‘NON-VEG’ MILK

Context: Amid trade negotiations, India has raised strong objections to importing **‘non-veg milk’** from the US, citing cultural and economic concerns.

What is ‘Non-Veg’ Milk?

‘Non-veg’ milk refers to milk derived from cows that have been fed animal-based products, such as **meat, blood meal, or bone meal**.

Why is India Opposed to It?

- **Religious and Cultural Sensitivities:** A significant portion of India’s population, **consider milk sacred** and avoid products linked to animal slaughter.
 - Hindus use milk and ghee in religious rituals every day.
- **Legal Certification Requirements:** India’s **Department of Animal Husbandry** mandates certification ensuring that **source animals were never fed meat- or blood-based feeds (excepting Milk and Milk Products)**.
- **Societal Impact:** With over **38% vegetarians in India**, there is widespread consumer resistance to animal-product-fed dairy entering the food chain.

Economic Implications for India

- **Threat to Domestic Dairy Sector:** The Indian dairy sector provides employment to about 8 crore individuals directly, creating one employment opportunity for every Rs 1 lakh contribution to GVA.

- **Potential Financial Losses:** According to SBI, Indian farmers may lose ₹1.8 lakh crore annually if US dairy imports lower domestic milk prices by even 15%.
- **Support for Rural Economy:** Dairy contributes around 3% to **India's Gross Value Added (GVA)**, making it vital for rural livelihoods and national economic stability.

US Perspective: The US has criticized India's insistence on certification as an **"unnecessary trade barrier"** at the WTO, arguing that its cattle feed practices are compliant with safety norms.

3.ADEETIE SCHEME

Context: Recently, Union Minister Shri Manohar Lal launched the **₹1000 crore ADEETIE scheme** to boost industrial energy efficiency in India's MSME sector.

About Assistance in Deploying Energy Efficient Technologies in Industries & Establishments (ADEETIE) Scheme

- **Aim:** To support MSMEs in adopting clean, energy-efficient technologies to reduce their carbon footprint and enhance productivity.
- **Nodal Ministry:** **Ministry of Power, Government of India, and is being implemented by the Bureau of Energy Efficiency (BEE).**
- **Technical Handholding and Support:** ADEETIE provides end-to-end technical assistance in
 - Investment Grade Energy Audits (IGEA)
 - Preparation of Detailed Project Reports (DPRs)
 - Technology identification
 - Monitoring & Verification (M&V) of implemented projects.
- **Target Industry:** The scheme targets **14 energy-intensive sectors** such as **Brass, Bricks, Ceramics, Chemicals, Forging, Glass, Leather, Steel Re-rolling, Textiles, and more.**
- **Financial Structure and Outlay:** The scheme has a total budgetary outlay of **₹1000 crore, with ₹875 crore** earmarked for interest subvention, ₹50 crore for energy audits, and ₹75 crore for implementation support.
 - It offers **5% interest subvention** for Micro and Small Enterprises and 3% for Medium Enterprises on loans used to adopt energy-efficient technologies.
- **Phased Implementation Approach:** ADEETIE will roll out in two phases—beginning with 60 industrial clusters, followed by 100 additional clusters, over a three-year period (**FY 2025–26 to FY 2027–28**).
- **Impact Target :** The scheme is projected to mobilize ₹9000 crore in investments, including ₹6750 crore from MSME lending, significantly contributing to India's climate commitments and energy efficiency goals.

4. 'PAN PAN PAN'

Context: Recently, an IndiGo Delhi-Goa flight made an emergency landing in Mumbai after the pilot issued a **'PAN PAN PAN' alert** due to an engine issue.

What is 'PAN PAN PAN'?

- ‘PAN PAN PAN’ is an **international standard radio emergency signal** used by pilots and mariners to indicate a situation that requires **urgent attention but is not immediately life-threatening**.
- The term “PAN” comes from the **French word *panne*, meaning a breakdown or mechanical failure**.
- It ranks below a “**Mayday**” call in severity.
- **Communication Protocol:** The word “PAN” is repeated **three times “PAN PAN PAN” to ensure clarity** and eliminate any chance of miscommunication over radio channels

Scenarios for Using PAN Alerts

- Partial Engine Failure, Medical Emergencies, Mechanical Anomalies, Low Fuel or Navigation Issues