



**ENLITE IAS**  
Enlightening minds. Lightening journey

**14 JANUARY 2026**

**EN-BUZZER**



**Daily News  
Analysis**

For IAS/IPS/IFS Coaching - Call us at 7994058393

[www.enliteias.com](http://www.enliteias.com)

**WEDNESDAY, 14th JANUARY 2026**

## **Table of Contents**

1. PSLV-C62 Mission.....	1
2. Pax Silica Initiative.....	2
3. Nipah Virus.....	3

## 1. PSLV-C62 Mission

### Prelims Perspective: What needs to be learned

- What is PSLV-C62 / EOS-N1 Mission
- What is the Polar Satellite Launch Vehicle (PSLV)?
- Orbits

### What needs to be known?

- PSLV-C62 / EOS-N1 Mission

- **What is PSLV-C62?**: It is the 64th flight of India's PSLV aimed at launching the EOS-N1.
- **What is EOS-N1 Mission**: EOS-N1 is an Earth observation satellite intended for environmental monitoring, resource mapping, and disaster management.

- Polar Satellite Launch Vehicle (PSLV)

- **What is it?** It is a four-stage, medium-lift launch vehicle developed by ISRO to place satellites primarily into polar and sun-synchronous orbits (SSO)

→ **Major Mission**

- ★ Chandrayaan-1 (2008) – India's first lunar mission
- ★ Mars Orbiter Mission – Mangalyaan (2013)
- ★ Cartosat, RISAT, Oceansat series

### Satellite Orbits and Uses

- **Low Earth Orbit (LEO)**: Earth observation, Remote sensing, Weather monitoring, and Space stations.
- **Geostationary Orbit (GEO)**: Communication, TV broadcasting, Weather satellites.
- **Polar Orbit**: Used for remote sensing & mapping
- **Sun-Synchronous Orbit (SSO)**: Ideal for environmental monitoring

## 2. Pax Silica Initiative

### Prelims Perspective: What needs to be learned?

- What is the Pax Silica Initiative?
- Member Countries

### Mains Perspective: Notes need to be prepared

- Groupings & Agreements Involving India (GS II- International Relations)

### What needs to be known?

- Pax Silica Initiative

- ➔ **What is it?**: Pax Silica is a US-led strategic initiative to build a secure, prosperous, and innovation-driven silicon supply chain from critical minerals.
- ➔ **Objective**: To reduce coercive dependencies, protect the materials and capabilities foundational to artificial intelligence, and ensure aligned nations can develop and deploy transformative technologies at scale.
- ➔ **Countries**: US, Japan, South Korea, Singapore, Netherlands, United Kingdom, Israel, UAE, Australia, Qatar.

### 3. Nipah Virus

#### Prelims Perspective: What needs to be learned?

- What is the Nipah Virus?
- What are zoonotic diseases?

#### Mains Perspective: Notes need to be prepared

- Health (GS II- Social Justice)
- Diseases (GS III - Science and Technology)

#### What needs to be known?

- Nipah Virus

→ **What is it?**: It is a zoonotic disease hosted by Fruit Bats.

→ **Transmission**

★ **Animal-to-human**: From infected bats or pigs through secretions or contaminated fruit (sap, partially eaten fruits).

★ **Human-to-human**: Through close contact with body fluids of infected persons, especially in hospital settings (nosocomial transmission).

★ **Environment-to-human**: Contaminated surfaces or food items (e.g., raw date palm sap).

→ **Diagnosis Tests**: Real-Time PCR (RT-PCR), ELISA for antibodies (IgM, IgG)

→ **Treatment**

★ No specific antiviral drug or vaccine yet (for humans or animals).

★ Only ensure supportive care.