# UPSC Daily Current Affairs| One Liners 25-01-2025

## One Liners 25-01-2025

### History, Art and Culture

**76th Uttar Pradesh Foundation Day 2025**

• **Statehood Day** – *1950*, 24 January.
• **Historical background** – It is recognized in the later Vedic Age as *Brahmarshi Desha or Madhya Desha*.
• **1935** – Its name was shortened to *United Provinces*.
• **1950** – United Provinces was renamed as Uttar Pradesh.
• It is home to revered places such as,
  - Birthplace of Lord Ram in Ayodhya.
  - Lord Krishna in Mathura.
  - Holy city of Varanasi.
• It is a *"Holy Land"* in shaping India's history, mythological tales, and culture.

### Geography

**Uttar Pradesh**

• **Capital** – Lucknow.
• **Languages** – Hindi and Urdu.
• **Bordered by** – Uttarakhand and Himachal Pradesh in the north, Haryana in the west, Madhya Pradesh in the South and Bihar in the east.
• **Rivers** – Ganga, Yamuna, Gomti, Ram Ganga, Ghagra, Betwa, Ken.
• It is blessed with *fertile and mineral-rich soil*.

### Polity & Governance

**Mangrove Initiative for Shoreline Habitats and Tangible Incomes (MISHTI)**

• **Launched in** – 2023.
• **Aim** – *Restoration of mangrove forests* by undertaking mangrove reforestation/ afforestation measures along the coast of India.
• **Coverage** – 540 sq. km of mangroves across 9 coastal states and 4 Union territories.
• **Time period** – 2023-2028 (5-years).
• **Focused on** – Sundarbans delta, Hoogly Estuary in West Bengal and other wetlands.
• **Implementation** - Funding will be done from State CAMPA, National CAMPA &MGNREGA and also from other sources.
• **Mangrove Alliance for Climate** – "MISHTI" comes after India joined the Alliance.
• It was launched during the 27th Conference of Parties (COP27) of the United Nations Framework Convention on Climate Change held in Egypt in November 2022

**Digital Tree Aadhaar programme**

• **Launched in** – 2021.
• **Launched by:**
  - Jammu and Kashmir Forest Department.
  - J&K Forest Research Institute (JKFI).
• **Objective** – To *conserve the iconic Chinar trees*, a symbol of the region's cultural and ecological heritage.
• It includes geo-tagging each tree with QR codes to record vital information, such as location, health and growth patterns.

**PM Suryaghar Muft Bijli Yojana.**

• **Launched in –** 2024.
• **Aim** – To *increase the share of solar rooftop capacity* and empower residential households to generate their own electricity.
• It is the *world's largest* residential rooftop solar initiative.
• **Time period** – Till 2026-27.
• **Implemented by** – A National programme Implementation Agency (NPIA) at the National level and by the State Implementation Agencies (SIAs) at the state level.
• **Working** – To provides for a subsidy of *60%* of the solar unit cost for systems up to *2kW capacity*.
• *40%* of additional system cost for systems between *2 to 3kW capacity*.

## Security

## Pralay

• **Pralay** – It is the *indigenous short-range* surface-to-surface quasi-ballistic missile.
• **Range** – Approximately *400 km.*
• It is the *1st ballistic missile in India* for conventional strikes.
• **Approved by** – Defence Acquisition Council (DAC).
• **Development by** – Research Centre Imarat, Hyderabad of DRDO
• **Capability** – To strike different types of targets using different types of warheads.
• **Deployment along** – Line of Control (LoC).
- Line of Actual Control (LAC).

## SANJAY - The Battlefield Surveillance System (BSS)

• **SANJAY** – It is an automated Battlefield Surveillance System (BSS) which integrates the inputs from all ground and aerial battlefield sensors.
• It produces a Common Surveillance Picture of the battlefield over secured Army Data Network & Satellite Communication Network.
• **Developed by** – Indian Army and Bharat Electronics Limited (BEL).
• **Applications -** Monitors vast land borders.
- Prevent intrusions.
- Assess situations with unparalleled accuracy.
- Prove to be a force multiplier in intelligence, surveillance & reconnaissance.

# Science

## International Solar Conference (ISC)

• **Conference on** – Sun, Space Weather and Solar-Stellar Connections.
• **Organised by** – Indian Institute of Astrophysics (IIA).
• **Purposes** – To commemorate the 125th anniversary of the *Kodaikanal Solar Observatory (KSO)*.
• **Themes** – Solar magnetism over long time scales.
- Solar magnetism in high resolution.
- Energetic phenomena.
- Solar-stellar connection.
- Heliosphere.
- Space weather.

## Kodaikanal Solar Observatory (KSO)

• **Established in** – 1899.
• **Location** – Palani hills, Tamil Nadu.
• **Operated by** – Indian Institute of Astrophysics.
• **Observation** – It houses a digital repository of *1.2 lakh digitized solar images and 1000s of other images of the Sun* recorded every day.
• It made understanding of sunspots, solar flares, coronal mass ejections and other solar phenomena.

## Artificial Sun

*Chinese scientists achieved a world record with artificial Sun.*
• **Artificial Sun** – It is a *mega nuclear fusion device*, which generates energy through a fusion process similar to that of the sun.
• **Aim** - To create *clean and sustainable energy* through a fusion process for global energy supply.
• **Conducted at** – Experimental Advanced Superconducting Tokamak (EAST).
• **Achievement** – Maintained plasma temperatures exceeding *100 million degrees Celsius for nearly 18 minutes.*



SHANKAR
IAS PARLIAMENT
*Information is Empowering*