

# 1. Archaeological Survey of India's recent findings in Bandhavgarh Tiger Reserve

**Topic: Art and Culture**



**In News:** The Archaeological Survey of India (ASI) reported 26 Buddhist caves in Madhya Pradesh's Bandhavgarh Tiger Reserve, after a month-long exploration conducted this summer.

## **More on the Topic:**

- Besides the caves, which date back to the 2nd-5th century BCE, other archaeological remains of the **Mahayana sect of Buddhism**, such as chaitya-shaped doors and cells containing stone beds, were also reported by the ASI team.
- The 26 caves that were found are associated with the Mahayana sect of Buddhism, these **date back to the same time as the Ajanta caves in Aurangabad**, a UNESCO World Heritage Site.
- Besides the caves, the team also found the remains of 26 temples, two mathas, two stupas, 46 idols and sculptures, 26 fragments and 19 water bodies.
- It also identified a **Buddhist pillar fragment containing a miniature stupa carving**, dating to the 2nd-3rd century CE, and 24 Brahmi inscriptions from the 2nd-5th century CE.
- The temples are from **more recent times the Kalachuri period (9th-11th century)**, while the water bodies range between 2nd-15th centuries CE.
- The places **Kaushami, Mathura, Pavata (Parvata), Vejabharada and Sapatanaairikaa are mentioned in the Brahmini inscriptions**, while the inscribed names of kings include **Shri Bhimsena, Maharaja Pothasiri and Bhattadeva**.

## **Bandhavgarh Tiger Reserve:**

- Bandhavgarh reserve spread at Vindhya hills of the Umaria district in Madhya Pradesh. It was declared a national park in the year 1968.
- The Bandhavgarh region also unveils the history to find the major dynasties that ruled the Bandhavgarh regions including Sengars, the Kalchuris and the Baghels

- The Bandhavgarh National Park was declared a Tiger Reserve in 1993 under the Project Tiger.

Source: Indian Express

---

## 2.Chief of Defense Staff

Topic: Governance



**In News:** Lt general Anil Chauhan has been appointed as next Chief of Defense Staff.

### More on the Topic:

- CDS, approved in 2019, is the head of Army, Navy and Air Force and is a four-star military officer.
- The Chief of Defence Staff of the Indian Armed Forces (CDS) is **the professional head and permanent Chairman of the Chiefs of Staff Committee (COSC) of the Indian Armed Forces.**
- The Chief of Defence Staff is **the highest-ranking uniformed officer on active duty** in the Indian military and chief military adviser to the Minister of Defence.
- The Chief also heads **the Department of Military Affairs.** The CDS is assisted by a vice-chief, the Chief of Integrated Defence Staff.

### Significance:

- The position was **created with the aim of improving coordination, tri-service effectiveness and overall integration of the combat capabilities** of the Indian armed forces.

### Conditions:

- Not eligible to hold any Government office after demitting the office of CDS.
- No private employment without prior approval for a period of five years after demitting the office of CDS.

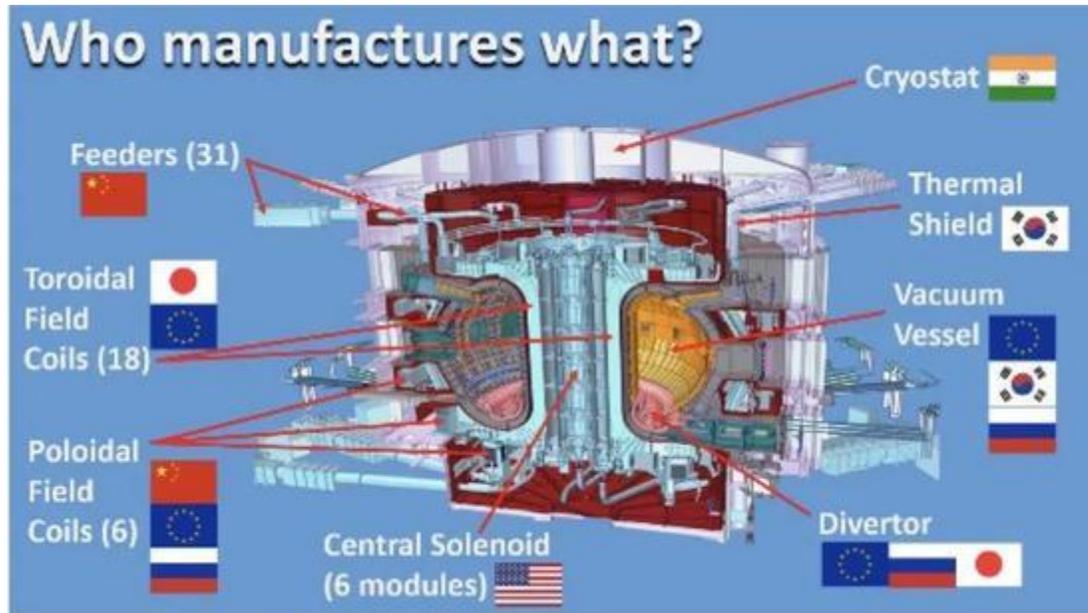
### Committees Associated:

- First proposal for CDS came from **Kargil Review Committee (2000)**. Later, **Naresh Chandra Committee** on defence and security (2011) and **Shekatkar Committee (2016)** mooted the idea of CDS.

Source: Indian Express

### 3. International Thermonuclear Experimental Reactor

Topic: Science and Technology



**In News:** India has supplied four km of cryolines, capable of operating at temperatures ranging from minus 269 degrees Celsius to minus 193 degrees Celsius, for the ITER nuclear fusion project taking shape in France.

#### More on the Topic:

- ITER International Thermonuclear Experimental Reactor is **an international nuclear fusion research an engineering megaproject** aimed at creating energy by replicating the fusion processes of the Sun.
- Upon completion of construction of the main reactor and first plasma, planned for late 2025, it will be the **world's largest magnetic confinement plasma physics experiment** and **the largest experimental tokamak nuclear fusion reactor**.
- It is being built next to the Cadarache facility in southern France.
- ITER will be **the largest of more than 100 fusion reactors** built since the 1950s, with ten times the plasma volume of any other tokamak operating today.

**ITER is funded and run by seven member parties:**

- China, the European Union, India, Japan, Russia, South Korea and the United States.

- Institute for Plasma Research (IPR), an aided institute of Department of Atomic Energy, is India's collaborating agency.

#### **Nuclear Fusion Reaction:**

- Nuclear Fusion reactions power the Sun and other stars.
- In a fusion reaction, **two light nuclei merge to form a single heavier nucleus.**
- The process releases energy because **the total mass of the resulting single nucleus is less than the mass of the two original nuclei.** The leftover mass becomes energy.
- Advantages of fusion reactors are that they release abundant energy without source of fuels which are nearly inexhaustible. **It also don't emit harmful gases like CO2 etc.**

Source: Indian Express

---

## **4. World Green Economy Summit**

**Topic: International Relations**



القمة العالمية للاقتصاد الأخضر  
**WORLD GREEN ECONOMY SUMMIT**

**In News:** The 8th World Green Economy Summit (WGES) was organised recently.

#### **More on the Topic:**

- The two-day event, organised by Dubai Electricity and Water Authority (DEWA), the World Green Economy Organization (WGEO) and the Dubai Supreme Council of Energy.
- Ministers, officials, and experts from around the world are taking part in the summit.
- It aims to propel action to deliver a sustainable future. Thematic pillars: Energy, finance, food security, youth.

Source: PIB

---

## 5. Attorney General of India

Topic: Polity and Governance

### ATTORNEY GENERAL OF INDIA



**In News:** Senior advocate R Venkataramani appointed as new Attorney General of India for a period of 3 years.

#### More on the Topic:

- The Attorney General for India is the **Indian government's chief legal advisor**, and is its chief advocate in the courts.
- They are **appointed by the President of India at the instance of the Union Cabinet under Article 76(1) of the Constitution** and hold office during the pleasure of the President.
- He/she must be a **person qualified to be appointed as a Judge of the Supreme Court**.
- Hence, must have been a judge of a high court for five years or an advocate of a high court for ten years, or an eminent jurist in the opinion of the President.
- **Term of the Office is not fixed by the Constitution.**
- **Procedures and grounds for the removal of AG are not stated in the Constitution.**

Source: PIB

---

## 6.Aravalli

**Topic: Environment and Ecology**



**In News:** The Haryana government plans to develop the 10,000-acre curated safari park in the Aravalli range and cover parts of Gurugram and Nuh districts.

### More on the Topic:

- It would include a **large herpetarium** (a zoological exhibition space for reptiles and amphibians), aviary/bird park, four zones for big cats, a large area for herbivores, an area for exotic animal birds, an underwater world, nature trails, visitors, tourism zones, botanical gardens, biomes, equatorial, tropical, coastal, desert, etc.,.

### About Aravalli Range:

- The Aravallis of Northwestern India, one of the oldest fold mountains of the world, now form residual mountains with an elevation of 300m to 900m.
- Guru Shikhar Peak on Mount Abu is the highest peak in the Aravalli Range (1,722 m).
- It has been formed primarily of folded crust, when two convergent plates move towards each other by the process called orogenic movement.
- Aravalli stretch for a distance of about 720 km from Himmatnagar in Gujarat to Delhi, spanning Haryana, Rajasthan, Gujarat, and Delhi.

**Source: Hindu**

## 7. Pinaka Multi-Barrel Rocket Launcher (MBRL) System

**Topic: Science and Technology**



**In News:** Armenia has placed the first export order of Pinaka Multi-Barrel Rocket Launcher (MBRL) System from India.

**More on the Topic:**

- It is a mobile rocket launching system (mounted on a Tatra truck) with maximum range varying from around 40 km (Pinaka Mk-1) to 75 km (Pinaka-ER or Extended Range).
- The Pinaka multi-barrel rocket launcher (MBRL) is an important indigenous project aimed at providing the army with firepower superiority that would reduce casualties to soldiers in war.
- Pinaka MBRL can launch 12 high explosive rockets in 44 seconds.

**Source: Hindu**

---