



Military Brat Defence Academy

Current Affairs Related to 1 August 2026

- ◆ **India has set a target to develop and commission at least five indigenous Small Modular Reactors by 2033.** This move is considered significant for enhancing the country's nuclear energy capacity, meeting industrial power requirements, and strengthening clean energy options. A budget of approximately \$2 billion has been allocated for this program, which incorporates reactor design, hydrogen technology, and private sector participation. The Bhabha Atomic Research Centre (BARC) is working on the designs of three types of reactors.
- ◆ **In a significant step towards strengthening the semiconductor design ecosystem in India, NIELIT has made SCL's indigenous 1.2-micrometer Process Design Kit (PDK) available via eChipHub.** This kit is based on 1.2-micron CMOS technology and will be utilized for integrated circuit design, prototyping, and semiconductor education. A Process Design Kit (PDK) is a compilation of technical files, design rules, and device models associated with a specific semiconductor manufacturing process.
- ◆ **India dispatched 4.5 tonnes of medical aid to Kenya to bolster preparedness against infectious diseases like Ebola.** The consignment was handed over by India's High Commissioner, Adarsh Swaika, to Kenya's Cabinet Secretary for Health, Aden Duale, at Jomo Kenyatta International Airport in Nairobi. This assistance comes at a time when Kenya has activated a nationwide Ebola preparedness plan. The plan includes measures such as surveillance, laboratory testing, patient management, border screening, and emergency response coordination. As of early June 2026, no confirmed cases of Ebola had been reported in Kenya.
- ◆ **Taking a significant step towards fostering innovation and research in the biofuels sector,** the Global Biofuels Alliance inducted 15 early-career researchers as the first 'Global Biofuel Champion Fellows' at the India Habitat Centre in New Delhi. The initiative aims to develop new technologies, research-based solutions, and future leadership within the biofuels sector. Each selected researcher will receive a research grant of up to USD 15,000 and serve as an ambassador for the Global Biofuels Alliance for the next two years.
- ◆ **The Central Government has approved a new bill aimed at curbing paper leaks and other irregularities in public examinations.** This move comes amidst persistent concerns regarding exam security and the credibility of recruitment processes. The proposed legislation is scheduled to be introduced during the second week of Parliament's Monsoon Session. In India, public examinations encompass recruitment tests, entrance exams, and assessments conducted by various government bodies.
- ◆ **The Supreme Court has expressed serious reservations about leaving the resolution of land compensation disputes—under the National Highways Act, 1956—in the hands of bureaucrats.** The Court observed that such cases should be adjudicated by officials with judicial training, as disputes involving compensation, valuation, and statutory benefits cannot be resolved solely from an administrative perspective. A three-judge bench led by Justice Surya Kant, and including Justice Joymalya Bagchi and Justice V. Mohan, asked the Central Government to consider amending the Act.
- ◆ **The 16th BRICS Health Ministers' meeting was held in Chandigarh under India's presidency.** Health ministers, senior officials, and technical experts from the 11 member nations of the BRICS group participated in the meeting. A consensus was reached on issues such as universal health coverage, pandemic preparedness, digital health, and equitable access to medicines. BRICS has evolved beyond being merely a platform for emerging economies; it has become a significant group for cooperation in sectors such as health, trade, technology, and development.
- ◆ **India's first bullet train project, the Mumbai-Ahmedabad High-Speed Rail Corridor, is back in the spotlight** as Japan has confirmed its continued cooperation to launch commercial operations on the project's initial sections by 2027. This project is considered a landmark transformation for India's railway infrastructure. Spanning approximately 508 kilometers, the corridor utilizes Japan's state-of-the-art Shinkansen technology, promising passengers a fast, safe, and modern travel experience. The Mumbai-Ahmedabad High-Speed Rail Corridor—also known as India's first bullet train project—was launched in 2017.



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National & International Current Affairs

1. When is National Mountain Climbing Day observed annually?

- (A) 1 August (B) 2 August
(C) 3 August (D) 4 August

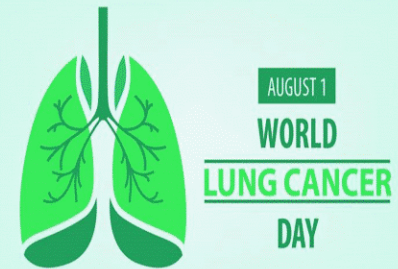
(A) National Mountain Climbing Day is observed annually on August 1. It is said that this day was established in honor of author Bobby Matthews' son and his friend Josh Madigan, who successfully climbed the 46 high peaks of the Adirondack Mountains in New York State.



2. When is World Lung Cancer Day observed every year?

- (A) 1 August (B) 2 August
(C) 3 August (D) 4 August

(A) On World Lung Cancer Day (August 1), the European Respiratory Society, together with members of the Forum of International Respiratory Societies (FIRS), pays tribute to, honors, and supports those affected by lung cancer. FIRS continues to support grassroots efforts within the lung cancer community to raise awareness about the disease and its global impact.



3. Which state has recently planned to develop a 200-acre semiconductor park at KWIN City near Bengaluru?

- (A) Karnataka (B) Bihar
(C) Telangana (D) Maharashtra

(A) Karnataka has planned to develop a 200-acre semiconductor park at KWIN City near Bengaluru, with a target to make it operational by December 2026. This project is part of the state's broader industrial vision to integrate chip manufacturing, packaging, testing, and electronics production into a single ecosystem.



4. In which state has HCLTech recently announced the establishment of its first AI data center?

- (A) Kerala (B) Karnataka
(C) Odisha (D) Madhya Pradesh

(C) HBSJMB has recently announced the establishment of its first AI data center in Odisha. A capital investment of approximately 14,257 crore is proposed for this project. This center will be developed within the upcoming Odisha Sovereign AI Park and will involve a partnership between HCLTech, the Indian AI startup Sarvam, and the Government of Odisha.



5. Which state government has recently launched the 'State Water Plan 2047'?

- (A) Rajasthan (B) Bihar
(C) Gujarat (D) Punjab

(A) The Rajasthan government recently launched the 'Rajasthan State Water Plan 2047' during a water conference held in Jaipur. Chief Minister Bhajanlal Sharma announced this roadmap to ensure the state's long-term water security and management.





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6. Which rank has India recently achieved in terms of the electrification of its broad-gauge railway network?
- (A) First (B) Second
(C) Third (D) Fourth
- (B)** India currently ranks second in the world—after Switzerland—in the electrification of its broad-gauge network. India has electrified 99.6% of its broad-gauge routes, a figure significantly higher than that of countries like China (82%), Japan (64%), and France (60%).
7. Which state's police force has recently constituted a Special Task Force (STF) to investigate crimes related to public examinations?
- (A) Assam (B) Telangana
(C) Rajasthan (D) Delhi
- (D)** The Delhi Police has recently constituted a Special Task Force (STF) under the Crime Branch to investigate paper leaks and other examination-related offenses under the Public Examinations Act, 2024. This STF will be led by a Deputy Commissioner of Police (DCP) from the Crime Branch and supervised by a Special Commissioner of Police.
8. Where was the 16th BRICS Health Ministers' Meeting recently held?
- (A) Mumbai (B) Chandigarh
(C) New Delhi (D) None of these
- (B)** The 16th BRICS Health Ministers' Meeting was held in Chandigarh under India's presidency. Health ministers, senior officials, and technical experts from the 11 member nations of the BRICS group participated in the meeting. A consensus was reached on issues such as universal health coverage, pandemic preparedness, digital health, and equitable access to medicines.
9. Which state government has recently approved a 'Deep Sea Fishing Mission' for the period 2026–2036?
- (A) Odisha (B) Bihar
(C) Andhra Pradesh (D) None of these
- (A)** The Odisha state cabinet has recently approved the 10-year 'Odisha Deep Sea Fishing Mission' to boost the state's marine and fisheries industry. This is a significant scheme that will promote modern deep-sea fishing equipment, vessels, and infrastructure.
10. Green energy projects worth how many thousand crore rupees have recently been approved for Odisha?
- (A) 24 thousand crore (B) 40 thousand crore
(C) 57 thousand crore (D) 67 thousand crore
- (D)** Taking a major step towards clean energy and industrial development, Odisha signed Memorandums of Cooperation for projects worth 67,000 crore with India's ACME Group and Japan's IHI Corporation. The objective of this agreement is to develop an industrial ecosystem in the state focused on green hydrogen, green ammonia, green methanol, advanced manufacturing, and exports.

