

pravahini

WEEKLY CURRENT AFFAIRS

6 NOV – 12 NOV



MRP ₹ 50.00

NEWS HIGHLIGHTS

1. **KONYA DAM**
2. **WORLD FOOD INDIA**
3. **Central Pollution Control Board (CPCB)**
4. **KAVACH - Traffic Collision Avoidance Systems**
5. **ELECTION COMMISSION OF INDIA**
6. **NATIONAL INVESTIGATION AGENCY**



successmantradigital



EASEVIDYA
Your Online Knowledge Mentor

1. KONYA DAM

Context: The Koyna dam authorities, owing to the poor storage in dams across Satara district, have proposed cuts in water discharge for both irrigation and power generation.



About Koyna Dam

1. Location: It is one of the largest dams in the state of Maharashtra and is located at Koyna Nagar in Satara district.
2. The construction of this dam was completed in 1963 and is amongst the chief civil engineering projects built after the independence of India.
3. Koyna Hydroelectric Project is the largest completed hydroelectric power plant in India, with a total installed capacity of 1,920 MW.
4. The catchment area of the Koyna Dam blocks up the Koyna River and creates the Shivsagar Lake, which is roughly 50 km long.

Key Facts about Koyna River

- It is a tributary of the Krishna River in the western part of Maharashtra.
- Origin: It rises near Mahabaleshwar, a famous hill station in the Western Ghats.
- The river is just 100 meters wide and flows slowly.
- The river merges with the Krishna River at Karad in the Satara district of Maharashtra.

2. EJECTA HALO?

Recently, the Indian Space Research Organisation (ISRO) revealed that the "Chandrayaan-3 Lander Module generated a spectacular 'ejecta halo' of lunar material.

About Subsurface Water Ice Mapping (SWIM) project

- It aims to locate the best places to access water ice buried under the Martian surface.
- The recently released fourth set of maps is the most detailed and accurate ones since the project started in 2017.

- It is led by the Planetary Science Institute in Tucson, Arizona, and managed by NASA's Jet Propulsion Laboratory in Southern California.
- The project uses data from several NASA missions, such as the Mars Reconnaissance Orbiter (MRO), the 2001 Mars Odyssey, and the defunct Mars Global Surveyor.
- SWIM used two higher-resolution cameras on MRO.
- The first phase of the SWIM project, completed in 2019, focused on the northern hemisphere. The second phase, completed in 2020 which includes the southern hemisphere.

Highlight of the new map

The new map includes sightings of so-called "polygon terrain," where the seasonal expansion and contraction of subsurface ice causes the ground to form polygonal cracks, indicating more ice hidden beneath the surface.

3. Maritime Security Meeting between Indian & Sri Lankan navy takes place:

The 33rd edition of annual IMBL meeting between the representatives of Navies and Coast Guards of India and Sri Lanka was held onboard INS Sumitra. It was held in Point Calimere at Palk Bay. The event helps to further enhance ties and synergy in operations. They discussed maritime security in the Palk Bay and Gulf of Mannar region, safety of fishermen, measures to curtail trafficking etc.



4. WORLD FOOD INDIA

With the objective of introducing the world to rich Indian food culture as well as promoting investments in the diverse food processing sector of the country.

the Ministry of Food Processing Industries launched the first edition of World Food India in 2017. In view of celebrating 2023 as the International Year of Millets and to bring the global food processing industry together, the Ministry of Food Processing Industries is organizing the second edition 'World Food India 2023' from 3rd-5th November, 2023 at New Delhi.

Mascot: MillInd (a probot) is the Mascot for World Food India2023.



FOUR PILLARS

Shree Anna (Millets): Leveraging India's Super Food for the World

1. Millets can enhance food security, nutrition security, and sustainability in the face of global challenges such as climate change, population growth, and malnutrition.
2. The United Nations has declared 2023 as the International Year of Millets (IYM 2023).
3. Exponential Food Processing: Positioning India as the Global Hub
4. To achieve this vision, India intends to boost its enablers that can support and accelerate its food processing industry.
5. One of the key enablers is Financing Agri Food Value Chains and also Providing adequate and affordable credit to the food processing sector, especially to the micro, small and medium enterprises (MSMEs).

5. Central Pollution Control Board (CPCB)

Context: Recently, the Central Pollution Control Board (CPCB) stated that prolonged exposure to air pollution in Delhi can cause children to suffer from respiratory diseases.

Background: PM10, and PM2.5 levels cross 5 times the normal levels in the national capital.



1. About Central Pollution Control Board (CPCB): - Established: 1974; Ministry: Ministry of Environment, Forest and Climate Change; The Central Pollution

Control Board (CPCB) is an organization established under the Pollution) Act 1974.

2. The CPCB functions as a field formation and offers technical services to The Ministry of Environment and Forests in line with the Environment (Protection) Act, 1986 provisions.
3. Functions of the Central Board at the National Level: - Advise the Central Government prevention and control of water and air pollution and improvement of the quality of air.

6. INTERNATIONAL SOLAR ALLIANCE (ISA)

Chile becomes 95th member of International Solar Alliance (ISA): - Chile handed over the Instrument of ISA ratification during the meeting of Ambassador Juan Angulo of Chile



with Joint Secretary, Ministry of External Affairs Abhishek Singh. ISA was established by PM Modi and the President of France in 2015. ISA's objective is to scale up solar energy, reduce the cost of solar power generation through aggregation of demand for solar innovation and investment.

ABOUT INTERNATIONAL SOLAR ALLIANCE

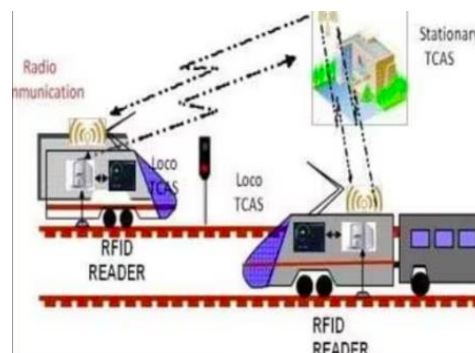
FORMATION: - 30th NOVEMBER, 2015

HEADQUARTER: - GURGAON

DIRECTOR: - AJAY MATHUR

7. KAVACH - Traffic Collision Avoidance Systems

Context: Recently, 2 passenger trains in Andhra Pradesh's Vizianagaram district collided which cost lives of many people. It is a cab signaling train control system with anti-collision features and is called Kavach (armor).



Developed by – Indian Railways Research Designs and Standards Organisation (RDSO) which costs 50 lakh per km

Objective – To enhance safety of running trains by aiding loco pilots to avoid signal passing at danger, over speeding and during inclement weather such as dense fog.

It deploys 3 components of the railway route.

RFID technology in tracks uses radio waves to automatically identify and read information from a distant wireless device without physical contact or a line of sight. Locomotive components driver's cabin is provided with RFID readers, computer, and brake interface equipment.

Radio infrastructure – are the towers and modems which are installed at railway stations.

Working – The 3 components communicate with each other not affected by visual interferences like hilly geography.

There are direct loco-to track IDs, in case both trains are on the same line.

The locomotives have antennas which communicate with towers on railway stations and display warnings to the driver on his monitor.

8. Hague, Netherlands to host the 2nd World Local Production

Forum:

Indian delegation led by Union MoS for Chemicals and Fertilizers Bhagwant Khuba will leave for the Netherlands to participate in the 2nd World Local Production Forum. The World Local Production Forum is a platform created



at the initiative of WHO with the aim of increasing access to medicines and other health technologies. It is being organized from 6th to 8th of November in Hague, Netherlands.

9. ELECTION COMMISSION OF INDIA

Context: Recently, the Election Commission provided the facility to voters above 80 years of age & Divyanga to vote from home.

Background: Chief Electoral Officer Anupam Rajan informed that the Election Commission has provided the facility to voters above 80 years of age and those with more than 40 per cent Divyanga to vote from home in the assembly elections in Madhya Pradesh.

Similarly, service voters also have the facility to cast their vote before voting.

About Election Commission:

1. The Election Commission is a permanent and independent body established by the Constitution of India.
2. Objective: to ensure free and fair elections in the country.
3. Article 324 of the Constitution: provides that the power of superintendence, direction and control of elections to parliament, state legislatures, the office of president of India and the office of vice-president of India shall be vested in the election commission.

Composition Election Commission of India: -

1. Members: The election commission shall consist of the Chief Election Commissioner and a such number of other election commissioners, if any, as the President may from time-to-time fix.
2. Appointment: The appointment of the chief election commissioner and other election commissioners shall be made by the
3. Head: When any other election commissioner is so appointed the chief election commissioner shall act as the chairman of the election commission.
4. Regional commissioners: The president may also appoint after consultation with the election commission such regional commissioners as he may consider necessary to assist the election commission.

Procedure of Removal: -



1. The Chief Election Commissioner can be removed from office only through a process of removal similar to that of a Supreme Court judge by Parliament. Judges of High Courts and Supreme Court, CEC, Comptroller and Auditor General (CAG) may be removed from office through a motion adopted by Parliament on grounds of 'Proven misbehavior or incapacity'. Removal requires a special majority of 2/3rd members present and voting supported by more than 50% of the total strength of the house.

Conditions of service: it shall be such as the President may by rule.

Tenure of office: The President may by rule determine it.

10. NATIONAL INVESTIGATION AGENCY

Context: The National Investigation Agency, has carried out coordinated searches at eight locations across Punjab, Uttarakhand, and Uttar Pradesh in a heroin seizure case recently.

Background: The searches relate to the seizure of a substantial quantity of narcotics, specifically heroin, which was intercepted upon its arrival in India through the Integrated Check Post in Attari, Amritsar in April last year. About National Investigation Agency: -



- NIA is functioning as the Central Counter Terrorism Law Enforcement Agency in India.
- Establishment: 2008. It was established by the National Investigation Agency Act, enacted on 31-12-08.
- Ministry: Ministry of Home Affairs.
- HQ: New Delhi.
- It is a central agency to investigate and prosecute offenses affecting the sovereignty, security and integrity of India, security of the State, and friendly relations with foreign States; atomic and nuclear facilities; smuggling in High-Quality Counterfeit Indian Currency.

Objectives: It implements international treaties, agreements, conventions and resolutions of the United Nations, its agencies and other international organizations.

Historical Background: The agency at the Central level was created for the investigation of offenses related to terrorism and certain other Acts post-2008 Mumbai terror attacks.

Functions of NIA: In-depth professional investigation of scheduled offenses using the latest scientific methods.

- Ensuring effective and speedy trials.
- Developing into a thoroughly professional, result-oriented organization.
- Developing a professional workforce through regular training and Exposure to the best practices and procedures.
- Maintaining professional and cordial relations with the governments of States and Union Territories and other law enforcement agencies in Compliance with the legal provisions of the NIA Act.
- Assist all States and other investigating agencies in the investigation of Terrorist cases. (Unlawful Activities and (Prevention) Act (UAPA)).

Build a database on all terrorist-related information.

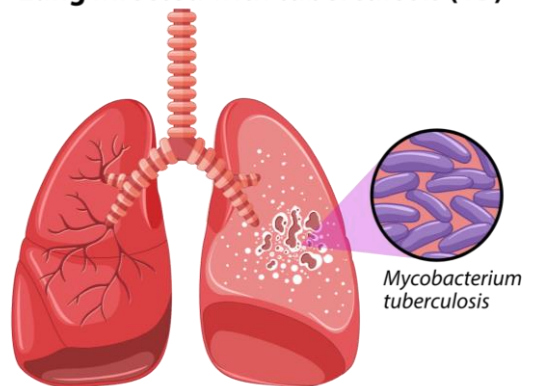
Share the database available with the States and other agencies.

11. TUBERCULOSIS

Context: Recent reports suggest that India, Indonesia and the Philippines account for over 60% drop in tuberculosis reporting in 2020 and 2021.

Background: TB remained the world's second leading cause of death from a single infectious agent in 2022, after COVID-19 and caused almost twice as many deaths as human immunodeficiency virus (HIV) / acquired immunodeficiency syndrome (AIDS), being the leading cause of death among people with HIV.

Lung infected with tuberculosis (TB)



About Tuberculosis: Tuberculosis (TB) is an infectious disease that most often affects the lungs. TB is caused by bacteria (*Mycobacterium tuberculosis*) that most often affect the lungs but may also affect other parts. Tuberculosis is preventable and curable. About a quarter of the global population is estimated to have been infected with TB bacteria. About 5–10% of people infected with TB will eventually get symptoms and develop TB disease. Risk factors: The most common risk factor associated with TB is HIV and other conditions that impair the immune system.

Symptoms:

- Prolonged cough (sometimes with blood)
- Chest pain
- Weakness
- Fatigue
- Weight loss
- Fever
- Night sweats

Transmission:

- Bacteria are spread through the air, just like a cold or the flu.
- It spreads through the air when infected people cough, sneeze or spit.
- Those who are infected but not (yet) ill with the disease cannot transmit it.

Treatment:

- TB disease is usually treated with antibiotics and can be fatal without treatment.
- In certain countries, the Bacilli Calmette-Guérin (BCG) vaccine is given to babies or small children to prevent TB. The vaccine prevents TB outside of the lungs but not in the lungs.

12. MAHARASHTRA SECURED TOP SPOT IN 37TH NATIONAL GAMES 2023

Maharashtra has won the Bhalindar trophy at national games of India. This trophy given to the team which won maximum gold medals

- Maharashtra secured the first position in National Games 2023 and bagged 208 medals including 71 gold.
- Services Sport Control Board also continued its second position in medal tally with a total of 117 medals including 59 Gold medals.



- Haryana stands at third position with a total of 161 medals including 53 gold medals.
- In women's Kabaddi, HP won a gold medal and Haryana got a silver medal.
- Female Kho-Kho gold was won by Maharashtra and Odisha got a silver medal.

NATIONAL GAMES 2023 37TH EDITION

VENUE: - GOA

MASCOT: - MOGA [THE BULL]

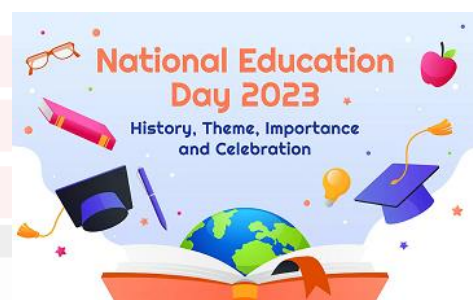
DATES: - 26th OCTOBER TO 9TH NOVEMBER

NO. OF SPORTS: - 43

WINNER:- MAHARASHTRA

13. NATIONAL EDUCATION DAY 2023

National Education Day is celebrated every year on November 11th to commemorate the birth anniversary of Maulana Abul Kalam Azad, India's first Education Minister. Azad was a visionary leader who played a pivotal role in shaping the country's education system. He was a strong advocate for universal primary education, girls' education, and free compulsory education for all children under the age of 14. He also played a key role in establishing some of India's most prestigious educational institutions, including the Indian Institutes of Technology (IITs) and the University Grants Commission (UGC).



The theme for National Education Day 2023 is 'Prioritizing Education: Investing in Our People.' Each year, the Ministry of Human Resource Development introduces a distinctive theme for this occasion, encouraging educators to impart these valuable messages to their students.

14. BHARAT ORGANICS

Bharat organics brand of national cooperative organic limited NCOL has been launched by cooperation minister Amit shah. He also gave away NCOL membership certificates to 5 cooperative societies. The NCOL will initially cell 6

organic products in India including tur dal, chana dal, sugar, rajma, basmati rice and Sonamansoorie rice. This will be sold through Safal outlets of mother dairy and online platforms. NCOL is headquartered in Gujarat. National Dairy development board is its chief promoter. It has been established under the multi state cooperative societies act, 2022.



SUCCESS
MANTRA