

**14<sup>th</sup> November 2024**

## **DO successfully conducts maiden flight test of long range land attack cruise missile**

The Defence Research and Development Organisation (DRDO) successfully conducted the maiden flight-test of the Long Range Land Attack Cruise Missile (LRLACM) from the Integrated Test Range (ITR) in Chandipur, off the coast of Odisha.



### **Key point**

- ❖ Developed by DRDO's Aeronautical Development Establishment (ADE) in Bengaluru, LRLACM also saw collaborations from other DRDO laboratories and Indian industries.
- ❖ During the flight, the missile's performance was carefully monitored through a range of sensors, including radar, electro-optical tracking systems, and telemetry equipment deployed at various locations along the missile's flight path.
- ❖ The missile followed its designated path with waypoint navigation, demonstrating the ability to perform various maneuvers while flying at multiple altitudes and speeds.
- ❖ Equipped with advanced avionics and software, LRLACM is designed to ensure greater reliability and enhanced operational performance.

- ❖ The missile is designed to be launched from mobile ground-based platforms using a mobile articulated launcher, as well as from frontline ships via a universal vertical launch module system. The test was attended by senior scientists from DRDO and representatives from the three Indian Armed Services, who are the intended users of the system.

### **About DRDO**

- ❖ **DRDO Full Form:** Defence Research and Development Organisation
- ❖ **About:** The DRDO is the premier R&D agency under the Department of Defence Research and Development in Ministry of Defence, Government of India.
- ❖ **Origin:** The DRDO came into existence after merging the Technical Development Establishment and the Directorate of Technical Development and Production of the Indian Ordnance Factories with the Defence Science Organisation in 1958.
  - Project Indigo was the DRDO's first major defence project, which involved development of Surface-to-Air Missiles (SAM).

### First all women battalion of CISF

The Home Ministry has approved the establishment of the **first all-women battalion** of CISF in a landmark decision aimed at empowering women and enhancing their role in national security.



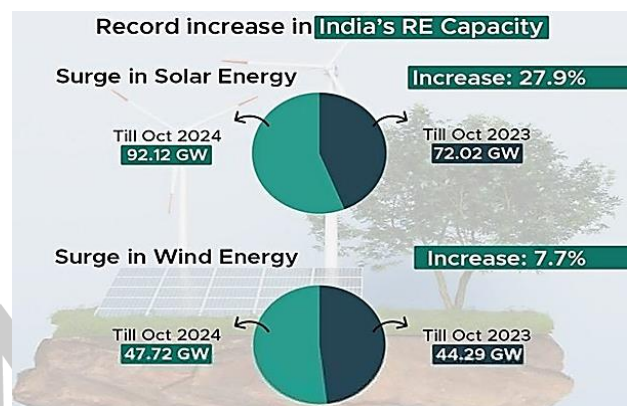
#### Key Point

- ❖ The proposal for the creation of all-women battalions in the Force was initiated following the direction of Home Minister Amit Shah on the occasion of the 53rd CISF Day function.
- ❖ CISF has been a preferred choice for women who wish to serve the nation in the Central Armed Police Force, constituting over seven per cent of the force at present.
- ❖ The addition of a Mahila battalion will encourage more aspiring young women across the country to join CISF and serve the nation.
- ❖ It will give a new identity to women in CISF. The CISF Headquarters has started preparing for the early recruitment, training, and selection of a location for the headquarters of the new battalion.

- ❖ The training is being specially designed to create an elite battalion capable of performing multifarious roles as commandos in VIP security, as well as the security of airports and Delhi Metro Rail duties.

### India's Renewable Energy sector

India's Renewable Energy sector has achieved significant growth from October last year to October this year.



#### Key Point

- ❖ According to the latest data by the Ministry of New and Renewable Energy, India's total renewable energy installed capacity increased by a staggering 24.2 gigawatts in a year, reaching 203.18 GW in October 2024 from 178.98 GW in October 2023.
- ❖ This significant rise aligns with India's ambitious targets in the field of renewable energy.
- ❖ The total non-fossil fuel capacity, including nuclear energy, rose to 211.36 GW in 2024, compared to 186.46 GW in 2023.

- ❖ The solar sector saw a remarkable increase of 20.1 GW, growing from 72.02 GW in October 2023 to 92.12 GW in October 2024.

### Booker Prize for the novel 'Orbital'

Britain's **Samantha Harvey** won the 2024 Booker Prize for her novel 'Orbital'.



### Key Point

- ❖ 'Orbital' is a story about a single day aboard the International Space Station which she wrote during COVID-19 lockdowns.
- ❖ Harvey's fifth novel was the top-selling book on the shortlist of six finalists and has sold more copies than the past three Booker Prize winners combined. Readers lapped up her depiction of Earth's beauty as seen from space.
- ❖ Set over 24 hours, the astronauts and cosmonauts of her 136-page-story witness sixteen sunrises and sixteen sunsets as they circle the globe.

### Satyajit Ray Lifetime Achievement Award

Australian director **Phillip Noyce** was honored with the prestigious **Satyajit Ray Lifetime Achievement Award** at IFFI 2024.



### Key Point

- ❖ Philip Noyce is one of the most well-known auteurs of Australian cinema, famous for his impressive work.
- ❖ A few of his movies are Patriot Games, Clear and Present Danger, Salt, The Saint, and The Bone Collector.
- ❖ He is acclaimed for making of suspense films that are culturally meaningful to the audiences.
- ❖ He is best known for his excellent command of creating suspense and presenting high cultural importance.
- ❖ Satyajit Ray Lifetime Achievement Award is an international honor given at the International Film Festival of India (IFFI) for outstanding contributions to global cinema.
- ❖ It was established in 1999 during the 30th IFFI as the Lifetime Achievement Award.
- ❖ Renamed in 2021 as the "IFFI - Satyajit Ray Lifetime Achievement Award" during the 52nd edition to mark Satyajit Ray's birth centennial.

### Short News

- ❖ **Alix Didier Fils-Aime** was sworn in as Prime Minister of the Caribbean country Haiti.
- ❖ **Navin Ramgoolam** was recently elected as the prime minister of Mauritius.

- ❖ The President of India, Smt Droupadi Murmu inaugurated Swami Vivekananda Vidya Mandir, Zanda Chowk and addressed a public function at Silvassa, Dadra and Nagar Haveli and Daman and Diu.
- ❖ U.S. President-elect Donald Trump announces the establishment of a new "Department of Government Efficiency" (DOGE), led by Tesla CEO Elon Musk and entrepreneur Vivek Ramaswamy.
- ❖ The year 2024 is on track to be the warmest year on record after an

extended streak of exceptionally high monthly global mean temperatures, according to a report released by the World Meteorological Organization during the ongoing session of the Conference of the Parties, COP-29.

- ❖ India's Pankaj Advani has won the IBSF World Billiards Championship 150-up format title.
- ❖ Madhya Pradesh is the first state in the country to provide a legal guarantee for providing notified services to the citizens.

#### Important Daily Current Affairs Question

1. Recently, Britain's Samantha Harvey won the 2024 Booker Prize for which of the following work ?
  - A. Orbital
  - B. Space
  - C. Moon
  - D. Cosmos

Answer -A

2. Which of the following person is honored by satyajit ray life time achievement award?
  - A. Ridley Scott
  - B. Philip Noyce
  - C. James Cameron
  - D. Quentin Tarantino

Answer -B

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