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9 May 2024

National & International News

FWD-200B



Why in news?

- FWD-200B, India's first indigenous bomber UAV aircraft, was unveiled by Flying Wedge Defence, a pioneer in India's defence and aerospace technology sector.

About FWD-200B:

- The cost of the indigenous FWD-200B is significantly lower (Rs 25 crores) compared to the US Predator (Rs 250 crores), demonstrating India's commitment to self-reliance and cost-effective defence solutions.
- The FWD-200B has a payload capacity of 100 kgs and is classified as a MALE Unmanned Combat Aerial Vehicle (medium-altitude, long-endurance).
- It consists of optical surveillance payloads and is integrated with missile-like weapons for precision air strikes.
- The FWD-200B has a max speed of 200 kts/370 kmph and an endurance capacity of 12-20 hours.

LockBit Ransomware

Why in news?

- Dimitry Yuryevich Khoroshev, a Russian national, has recently been indicted by the USA.
- Khoroshev is allegedly involved with the LockBit ransomware.

About LockBit Ransomware:

- LockBit Ransomware is a malicious tool designed to block user access to computer systems, demanding a ransom payment for access restoration.
- It was formerly known as "ABCD" ransomware, but has evolved into a unique threat within the extortion tools landscape.
- It belongs to a subclass of ransomware known as a 'crypto virus', which forms its ransom requests around financial payment in exchange for decryption.
- The software primarily targets enterprises and government organizations rather than individuals, functioning as ransomware-as-a-service (RaaS).



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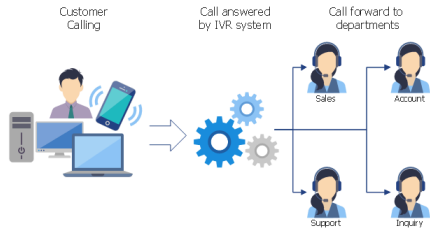
## Daily Current Affairs Encyclopedia

### Interactive Voice Response System (IVRS)

# IVR

Interactive Voice Response

Time and cost saving solution for customer service automation



### Why in news?

- Political parties are making **Interactive Voice Response System (IVRS) calls**.
- These calls are being received by voters on a daily basis recently.

### About IVRS:

- It is an **automated telephone system technology** that allows callers to interact with a computer system via voice or menu inputs.
- This system enables callers to receive or provide information, or make requests without the need for a live agent.
- The system is powered by either pre-recorded messaging or **text-to-speech technology**.
- It uses a **dual-tone multi-frequency (DTMF) interface** for interaction.

### Solar energy in India

### Why in news?

- In **2023**, India surpassed Japan to become the world's **third-largest solar power generator**.
- This achievement highlights India's significant commitment to renewable energy growth.

### Key points:

- **Solar energy contributed 5.5% globally**, with India's production increasing significantly since 2015.
- India experienced the world's fourth-largest surge in solar generation in 2023, adding **18 Terawatt hours (TWh)** to its capacity.
- This surge was placed behind **China (+156 TWh)**, followed by the **United States (+33 TWh)**, and **Brazil (+22 TWh)**.
- These **top four countries accounted for 75 percent of global solar growth** that year.
- **India's share of solar generation surged from 0.5 percent in 2015 to 5.8 percent in 2023.**
- According to the **International Energy Agency's (IEA) "Net Zero Emissions" scenario**, solar energy's contribution is projected to rise to 22 percent of global electricity generation by 2030.



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## Daily Current Affairs Encyclopedia

### Capital Gains Tax

#### Why in news?

- The Finance Minister has denied reports that the Income Tax (I-T) Department is planning to introduce changes in the capital gains tax structure.

#### About Capital Gains Tax:

- Capital gains are **profits accumulated from the sale of any capital asset.**
- **Capital assets include** land, buildings, house property, vehicles, patents, trademarks, leasehold rights, machinery, and jewellery.
- **Capital assets also include** rights in or in relation to an Indian company, including management, control, or any other legal rights.
- **Capital gains can be either short-term or long-term,** depending on the duration of asset holding.
- **Since profits are categorised as 'income', they are liable for taxation,** known as Capital Gains Tax (CGT).
- **CGT is levied when an asset is transferred between owners and applies to both individuals and businesses.**

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