




04 April 2024

Andhra Pradesh State Regional News

<p>International Day of Mine Awareness</p> 	<p>Context:</p> <ul style="list-style-type: none"> The International Day for Mine Awareness and Assistance in Mine Action is observed annually on April 4th. It's a day to raise awareness about the dangers of landmines and other explosive remnants of war (ERW) on civilians, particularly in conflict zones. <p>About:</p> <ul style="list-style-type: none"> On 8 December 2005, the General Assembly declared that 4 April of each year shall be observed as the International Day for Mine Awareness and Assistance in Mine Action. <p>Theme:</p> <ul style="list-style-type: none"> The theme for International Day for Mine Awareness & Assistance in Mine Action 2024 is 'Protecting Lives, Building Peace.' It focuses on the needs and rights of people with disabilities in areas affected by conflict. The United Nations Mine Action Service (UNMAS) is highlighting the importance of including people with disabilities in mine action efforts and ensuring their safety and access to assistance.
<p>99.9% of Tuberculosis cases in AP are HIV+</p>	<p>Context:</p> <ul style="list-style-type: none"> According to the 2023 India Tuberculosis Report, AP has the second-highest rate of HIV co-infection among Tuberculosis (TB) patients in India, A staggering 99.9% of TB cases in the state are reported to be HIV positive. This highlights a serious public health concern, as HIV weakens the immune system, making people more susceptible to TB and increasing the severity of the disease. <p>About:</p> <ul style="list-style-type: none"> The report also raises a red flag about childhood TB, with nearly 100% of diagnosed pediatric TB patients having HIV. Despite these challenges, there is positive news. Andhra Pradesh has shown significant efforts in addressing TB-HIV co-infections. Over 4,200 patients have been diagnosed and are receiving appropriate care.



APERC in Kurnool from june

Context:

- The **Andhra Pradesh Electricity Regulatory Commission (APERC)** is shifting its headquarters to Kurnool district from June 2024.

About:

- APERC was formed in March 1999 at the center of Hyderabad for united Andhra Pradesh
- After bifurcation of the states, orders were issued in 2014 to shift APERC to Amravati region.
- However, the council is functioning from the Hyderabad region.
- Now shifting of HQ to Kurnool aligns with the **Andhra Pradesh government's plans to decentralize administrative functions.**

Indosol Solar commences production at Ramayapatnam unit

Context:

- **Indosol Solar** has begun production at its new solar PV module manufacturing facility in Ramayapatnam, Andhra Pradesh.
- This **500MW** capacity plant marks a significant step towards **India's goal of boosting domestic solar production under the PLI schemes.**
- The facility is notable for being **fully automated and manufacturing advanced solar modules**, including those with **TOPCon and HJT technologies.**
- This **initial phase represents an investment of Rs 1,300 crore** and is built on 30 acres.

About:

- Both **TOPCon (Tunnel Oxide Passivated Contact)** and **HJT (Heterojunction Technology)** are advancements in solar cell design that aim to boost efficiency and performance.

Similarities:

- **High Efficiency:** Both technologies offer superior efficiency in converting sunlight to electricity compared to traditional options.
- **N-type Technology:** They utilize N-type silicon wafers, leading to better light absorption and reduced power loss.

Differences:

- **Design Approach:**
 - **TOPCon:** Uses a thin tunnel oxide layer to minimize energy losses and enhance light absorption.
 - **HJT:** Combines crystalline silicon with a thin layer of amorphous silicon, improving light capture and reducing recombination.



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