



Chhattisgarh Inaugurates Country's Biggest Solar Energy Plant

Why in News?

Chhattisgarh has inaugurated the **country's biggest solar energy plant** with a battery energy storage system located near the Dhaba village **in the Rajnandgaon district**.

- It is established by the [Solar Energy Corporation of India \(SECI\)](#) and **Chhattisgarh Power Distribution Company** provides a **capacity of 100 megawatts**.

Key Points

- This solar plant ensures that there will be **electricity even during the night** generating over **five lakh units per day**.
 - This will **reduce 4.5 lakh metric tons of carbon emission** and **boost green energy**.
- The on-grid solar power plant set-up by the [Chhattisgarh Renewable Energy Development Agency \(CREDA\)](#) is a significant step towards sustainable energy.
- The plant was established on 1st February, 2024. It features a **100-megawatt solar plant equipped with 2,39,000 bifacial solar panels** which is producing electricity from both the sides.
- The plant is expected to **generate power for the next seven years using solar energy**.
- The decision to establish the **first solar park in the Bairam hill area** of the Rajnandgaon district was taken by the Chhattisgarh government to maximize the use of these hilly terrains for solar power.
 - The **project began in 2016**, with the first phase covering five villages and 181.206 hectares and the second phase including four villages and 196-217 hectares.

Solar Energy Corporation of India Limited (SECI)

- It was set up in 2011 to facilitate the **implementation of the National Solar Mission (NSM)** and to achieve the targets set forth by it.
- SECI was initially incorporated as a **section 25 company (Not-for-profit) under the Companies Act, 1956**. In the year 2015, it was converted into a Section-3 company.
- SECI is a Schedule- A Central Public Sector Undertaking (CPSU). It is the **only CPSU dedicated to the development of the Renewable Energy (RE) sector in India** and its scope of activities covers all RE sources.