



# Solar Energy Project in Rajasthan

## Why in News?

Recently, **UltraTech Cement Ltd** announced the completion of a **100-megawatt (MW)** [solar energy](#) project under the **Group Captive Scheme** in Rajasthan.

- This is the company's first project to source power for its captive consumption from the inter-state transmission network.

## Key Points

- Power from this project will be available to the company's units in **Rajasthan, Gujarat, Himachal Pradesh, Tamil Nadu, Odisha among others.**
  - The company now has a capacity of 612 MW of renewable power and 278 MW of **Waste Heat Recovery System (WHRS).**
    - WHRSs are revolutionary **energy-saving power generation systems** that **recover and reuse energy** from the main engine's exhaust gas.
- UltraTech Cement has committed to increasing its **green power mix to 85% by 2030**, and the project reaffirms its dedication to innovation, sustainability, and the pursuit of a brighter, cleaner future for all.

## The Group Captive Scheme

- It is a **Power purchase mechanism** which involves individuals or groups establishing a power plant to buy electricity specifically for their own use.
- These captive users **must collectively own a minimum of 26%** of the power plant and **consume a minimum of 51%** of the generated electricity annually, based on their proportional ownership shares, with a **variation not exceeding 10%.**

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