

India's single largest solar park at Rann of Kutch

July 14, 2021

In news- NTPC Renewable Energy Ltd (NTPC REL) will set up a 4750 MW renewable energy park at Rann of Kutch in Khavada, Gujarat.

Key updates-

- Once set up, it will be **India's largest solar park**.
- NTPC REL has been given the go-ahead by MNRE under **Mode 8 (Ultra Mega Renewable Energy Power Park)** of Solar Park Scheme.
- NTPC REL has plans to generate green hydrogen on a commercial scale from this park.
- NTPC Ltd, India's largest energy integrated company aims to build 60 GW Renewable Energy Capacity by 2032.
- Currently, it has an installed capacity of 66 GW across 70 power projects with an additional 18 GW under construction.
- NTPC has also commissioned **India's largest Floating Solar plant** of 10 MW on the **reservoir of Simhadri Thermal Power Plant, Andhra Pradesh**.
- NTPC REL has also inked a pact with the **Union territory of Ladakh** to set up a **green hydrogen mobility project** in the region.
- The signing of the MoU was marked with the inauguration of NTPC's first solar installations in Leh in the form of solar trees and a solar carport.
- NTPC has planned to ply 5 hydrogen buses, to start with, in the region and the company will be setting up a solar plant and a green hydrogen generation unit in Leh.

- This will put **Leh as the first city in the country to implement a green hydrogen based mobility project.**

NTPC Renewable Energy Ltd (NTPC REL)-

- It is the subsidiary of NTPC Ltd, India's largest energy conglomerate.
- In August, 2020, NTPC had received the approval from NITI Aayog and the Department of Investment and Public Asset Management (DIPAM) to set up a wholly-owned company for its renewable energy business.
- It had entered into **an agreement with Greenko** to explore energy storage and renewable energy (RE) power supply solutions.
- The objective of the partnership is to explore the possibility of development of renewable energy-based round-the-clock, flexible and dispatchable power supply offerings based on the integration of renewable sources and pumped storage projects.
- NTPC has a target to generate nearly 30 percent of its overall power capacity from renewable energy sources by 2032.
- Besides, it will have 32 GW of solar power, 5 GW of hydropower and 2 GW of nuclear energy by 2032, taking the total clean energy capacity to **39 GW.**
- The present installed capacity of NTPC Group is 62.9 GW (including 11.75 GW through JVs/subsidiaries) comprising 45 NTPC Stations and 25 Joint Venture stations (9 coal-based, 4 gas-based, 8 hydro, 1 small hydro 2 wind and 1 Solar PV).

More information -
<https://journalsofindia.com/green-hydrogen-summit/>