




Green Hydrogen Energy Storage project

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- **National thermal power corporation has started India's first Green Hydrogen based Energy Storage Project in Simhadri.** This is a micro grid project.
- In this project **Hydrogen will be produced using the advanced Solid Oxide Electrolyzer.** Required input power for this will be received from nearby floating power plant.
- The hydrogen produced during sunshine period would be stored at high pressure and would be electrified using solid oxide fuel cell.
- This project would helpful for establishing micro grid projects in off grid and strategic areas of the country. It would be a precursor to large scale hydrogen energy storage projects in the country.
- This **project is in-line with the vision of India for becoming carbon neutral by 2070.**