

Modhera-India's first 24x7 solar powered village

October 10, 2022

In news- The Prime Minister of India has recently declared Modhera village in Gujarat as the country's first 24x7 solar powered village.

Key updates-

- Located 25 km from the Mehsana district of Gujarat, village is famous for a centuries-old Sun temple built during the Chalukya reign.
- It is located on the banks of the Pushpavati river in the state.
- The village has a ground-mounted solar power plant, and over 1,300 rooftop solar systems with 1kW capacity have been installed on houses to generate electricity. All of these solar systems are linked to a battery energy storage system (BESS).
- During the day, solar panels will provide power to the village, while in the evening, BESS, India's first grid-connected megawatt hour scale battery energy storage system, will provide power to the houses.
- Both the central and state governments have invested over ₹80 crore in this solar-development project in two phases, with the state allotting 12 hectares of area for the project.

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