

What is a Green Energy Corridor?

The development of a Green Energy Corridor is seen as an environmentally friendly approach to energy transmissionsince it reduces the need for long-distance energy transportation and the associated environmental impacts. By enabling the transmission of clean energy from renewable sources,the project contributes to a reduction in carbon emissions.

How does the Green Energy Corridor project stimulate economic growth?

Economic Growth: The Green Energy Corridor project stimulates economic growth by fostering investments in renewable energy projects and associated infrastructure. This growth extends to the manufacturing and supply chain related to renewable energy technologies.

How do corridors affect a PV project?

Corridors have significant changes in patency,length,and connection strengthafter PV projects construction. Large-scale PV projects should be avoided in ecologically sensitive areas to minimize the impact on the ecosystem.

Could solar corridors be the smart roads of the future?

Solar corridors could provide the so-called smart roads of the futureby integrating weight sensors into strips and panels to prevent road hazards. When a person,object or animal crosses the road,sensors placed on the boards are activated by illuminating that part of the road and thus reduce the risk of accidents.

Why has a Green Energy Corridor project been delayed?

The projects have been delayed mainly due to delay in land acquisition,Right of Way (RoW) issues and forest clearances. Intra-State Transmission System Green Energy Corridor Phase-II The InSTS GEC-II scheme with total target of 10,750 ckm intra-state transmission lines and 27,500 MVA sub-stations was approved by the CCEA in January 2022.

Does wind power project location affect ecological corridors?

The wind power project not only significantly increased the resistance to the formation of ecological corridors at the landscape level,but also had an apparent cutting effect on the landscape (Ravikumar and Sinha,2017). However,the research on the relationship between PV project location and ecological corridors is still blank.

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Web: <https://publishers-right.eu/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

