

With the increase in energy demand due to rapid growth of the economy, climate volatility and the rising share of renewable energy, the next frontier is not power generation but ...

POWERGRID, one among the largest power transmission utilities in the world, has developed expertise in its core areas such as power transmission, sub-transmission system, ...

This blog explores the structure of the Indian power sector, the need for grid modernization, and why this transformation is crucial for achieving higher renewable energy penetration.

India's renewable energy build-out is outrunning the power grid, and needs immediate policy changes. India is surging ahead in renewable-energy capacity, aiming for 500 GW of non ...

POWERGRID is strengthening its transmission network to establish inter-State and inter-regional links for enhancing the capacity of National Grid in a time bound manner to ensure optimal utilization of ...

Explore the Indian power grid, from regional networks to national integration. Uncover the challenges, role of transmission lines in powering India's progress

This brief explores actionable solutions-from strengthening transmission infrastructure to deploying innovative market mechanisms-that can fortify India's grid, ensuring a clean energy transition that is ...

NPP is a centralized system for Indian Power Sector which facilitates online data capture and disseminate Power Sector Information is single source of validated data of Indian Power Sector

The National Grid is the high-voltage electricity transmission network in India, connecting power stations and major substations and ensuring that electricity generated anywhere in India can be used to ...

The evolution of India's electricity grid reflects the ever-changing dynamics of the country's economic and infrastructure growth. Built as a backbone to coal-based power, the grid is ...

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