



POWER SECTOR

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RENEWABLES

» ORIANA POWER AND KIRLOSKAR SECURE SOLAR CONTRACTS TOTALLING 66 MW

- > Oriana Power and Kirloskar have won contracts to develop solar projects with a combined capacity of 66 MW, underscoring India's growing focus on renewable energy.
- > The projects involve the installation and commissioning of solar plants, aimed at enhancing clean energy capacity and reducing carbon footprints.
- > Oriana Power, known for its advanced solar solutions, and Kirloskar, a leader in engineering and manufacturing, are collaborating to execute these contracts.
- > These projects align with India's ambitious renewable energy targets, contributing to its goal of achieving 500 GW of non-fossil fuel capacity by 2030.
- > The projects are expected to generate employment opportunities and support local manufacturing, boosting the renewable energy ecosystem.
- > By utilizing solar energy, the projects aim to significantly reduce greenhouse gas emissions, promoting sustainable development.
- > The success of these projects could pave the way for more collaborations between industry leaders, further accelerating India's transition to renewable energy.



RENEWABLES

- » ORIANA POWER AND KIRLOSKAR SECURE SOLAR CONTRACTS TOTALLING 66 MW
- » INDIA ADDS 16 GW OF SOLAR CAPACITY IN FIRST NINE MONTHS OF 2024



Policy and Regulatory

- » CEA ISSUES REVISED DRAFT GUIDELINES FOR TYPE TEST PERIODICITY OF MAJOR EQUIPMENT IN POWER SYSTEMS
- » RERC UPHOLDS PENALTY FOR NON-COMPLIANCE WITH RENEWABLE ENERGY REGULATIONS
- » MNRE SETS TERMS FOR REAL ESTATE DEVELOPERS TO AVAIL CFA UNDER PM SURYA GHAR SCHEME
- » CEA APPROVES UNIFORM PROTECTION PROTOCOL TO ENHANCE POWER GRID STABILITY



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RENEWABLES

» INDIA ADDS 16 GW OF SOLAR CAPACITY IN FIRST NINE MONTHS OF 2024

- > India is on track to add 16 GW of solar capacity by September 2024, significantly contributing to its renewable energy expansion.
- > The capacity increase will come from ongoing and upcoming solar projects, reinforcing India's efforts to diversify its energy mix and reduce reliance on fossil fuels.
- > This development aligns with India's ambitious target of achieving 500 GW of non-fossil fuel energy capacity by 2030, including solar power's pivotal role in this vision.
- > The surge in solar capacity is driven by increased investments in the renewable energy sector, as well as policy support from the government to meet sustainability goals.
- > The solar sector's growth is also expected to generate significant employment opportunities, boost local manufacturing and enhance technological innovation within India's renewable energy landscape.
- > The added solar capacity will play a crucial role in reducing carbon emissions, contributing to India's commitment to addressing climate change and fulfilling international climate obligations.
- > With this expansion, India is positioning itself as a global leader in solar energy, enhancing its renewable energy infrastructure and fostering energy security.





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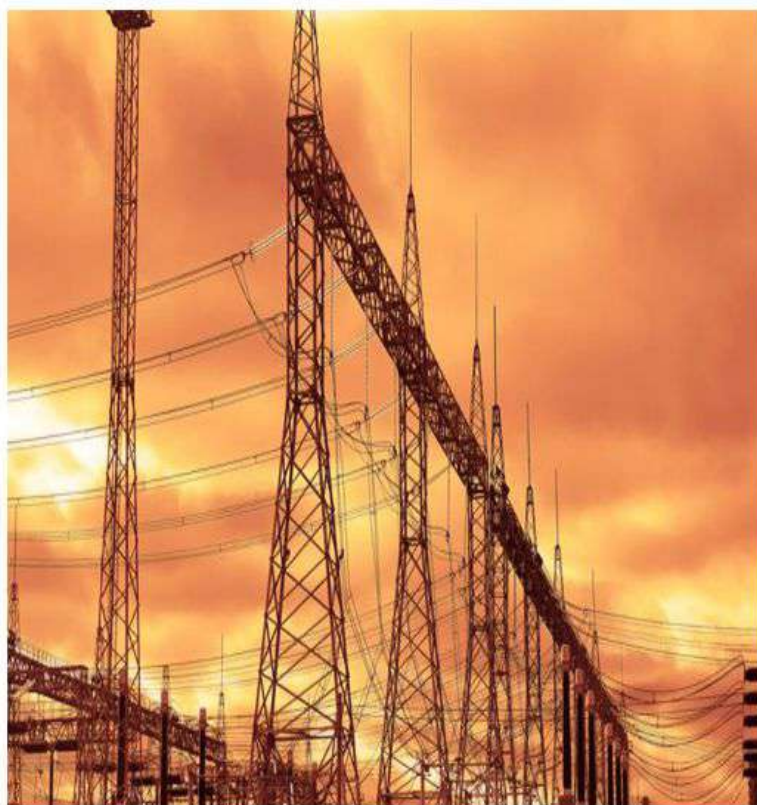
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POLICY AND REGULATORY

CEA ISSUES REVISED DRAFT GUIDELINES FOR TYPE TEST PERIODICITY OF MAJOR EQUIPMENT IN POWER SYSTEMS

- > The Central Electricity Authority (CEA) has issued a revised draft outlining the periodicity of type tests for major equipment used in electrical power systems, aiming to enhance reliability and safety.
- > The guidelines specifically address type tests for electrical equipment such as transformers, circuit breakers, and switchgear, essential for power transmission and distribution.
- > The revised guidelines suggest changes in the frequency of these type tests to ensure better performance and longevity of equipment, reducing the risk of failures.
- > The move aims to align with international best practices, ensuring that equipment used in the power grid meets high safety and performance standards.
- > Regular and reliable testing of major equipment is crucial for maintaining the stability of the electrical power system, particularly in the face of increasing demand and infrastructure aging.



- > The CEA has invited feedback from stakeholders, including manufacturers, utilities, and industry experts, to finalize the guidelines and ensure comprehensive input.
- > Once implemented, the guidelines are expected to improve the overall quality and efficiency of India's electrical power system, minimizing downtime and operational disruptions.



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POLICY AND REGULATORY

➤ RERC UPHOLDS PENALTY FOR NON-COMPLIANCE WITH RENEWABLE ENERGY REGULATIONS

- The Rajasthan Electricity Regulatory Commission (RERC) has upheld a penalty imposed on a renewable energy developer for failing to comply with regulatory requirements, emphasizing strict adherence to power sector guidelines.
- The penalty stems from the developer's failure to meet specific renewable energy obligations, such as timely commissioning of projects or fulfilling contractual terms.
- The decision reinforces the importance of regulatory compliance for developers in the renewable energy sector, especially in maintaining project timelines and quality standards.
- The penalty, which is aimed at ensuring that developers meet their commitments, serves as a reminder to industry players of the need to follow RERC's prescribed rules and procedures.
- The ruling is seen as a positive step toward enhancing accountability in the renewable energy sector and improving the operational efficiency of power projects.
- The RERC's decision highlights its role in monitoring and regulating the renewable energy sector to foster transparency, ensuring that companies adhere to contractual and operational standards.
- The ruling may influence other regulatory bodies in the country to adopt stricter measures to enforce compliance, promoting greater discipline within the renewable energy industry.





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POLICY AND REGULATORY

» MNRE SETS TERMS FOR REAL ESTATE DEVELOPERS TO AVAIL CFA UNDER PM SURYA GHAR SCHEME

- > The Ministry of New and Renewable Energy (MNRE) has announced the terms and conditions for real estate developers to avail the Central Financial Assistance (CFA) under the PM Surya Ghar Scheme.
- > The PM Surya Ghar Scheme aims to promote rooftop solar installations for residential buildings, helping homeowners and developers install solar panels with financial support from the government.
- > Real estate developers planning to incorporate rooftop solar systems in new or under-construction residential projects can apply for CFA, provided they meet certain specifications set by the MNRE.
- > Developers can receive up to 40% of the total project cost as CFA for residential buildings with a minimum of 100 rooftop solar systems, aiming to make solar energy accessible to a wider population.
- > This initiative aligns with India's goal of achieving 500 GW of non-fossil fuel capacity by 2030, further pushing the integration of solar energy into the nation's residential sector.
- > Developers are required to complete the installations within a specified period and ensure compliance with MNRE standards, contributing to timely project execution.
- > The move is expected to encourage more real estate developers to adopt sustainable building practices, potentially reducing the carbon footprint of the sector.





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POLICY AND REGULATORY

» CEA APPROVES UNIFORM PROTECTION PROTOCOL TO ENHANCE POWER GRID STABILITY

- > The Central Electricity Authority (CEA) has approved a uniform protection protocol designed to improve the stability and resilience of India's power grid system.
- > The protocol aims to standardize protection mechanisms across the grid, reducing risks associated with system failures and ensuring seamless operation during contingencies.
- > Key components include coordinated protection schemes, enhanced fault detection mechanisms, and standardized settings for critical grid infrastructure like substations and transmission lines.
- > By implementing the protocol, CEA seeks to mitigate cascading failures and blackouts, ensuring uninterrupted power supply even under high-stress conditions.
- > The initiative supports India's broader energy transition goals, where a reliable grid is critical for integrating large-scale renewable energy projects.



- > CEA has outlined detailed timelines and technical requirements for utilities and grid operators to adopt the protocol uniformly across the country.
- > The move is expected to strengthen collaboration between stakeholders, enhance operational efficiency, and set a benchmark for grid management practices globally.