



# POWER SECTOR

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## POWER PURCHASE

- › **BHEL SECURES Rs 95 BILLION ORDER FOR SINGRAULI THERMAL POWER PROJECT FROM NTPC**
  - › BHEL has been awarded a contract to set up a 1,600 MW thermal power project (Stage-II) at Singrauli, in Madhya Pradesh, for NTPC.
  - › The order is valued at over Rs 95 billion, covering various phases of the project.
  - › The contract includes the supply of equipment, erection and commissioning services, and civil works necessary for the plant's construction.
  - › BHEL is expected to complete Unit 1 in 50 months and Unit 2 in 54 months.
  - › This project strengthens BHEL's position in the power generation sector, contributing to India's growing energy capacity.
  - › The Singrauli project is a part of NTPC's broader plans to expand its thermal power generation capacity to meet rising demand.
  - › The order will showcase BHEL's advanced manufacturing and project execution capabilities in the power generation sector.
  - › This expansion will enhance the power infrastructure in the region, addressing energy needs and supporting industrial growth.



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## RENEWABLES

- › **STERLITE POWER SECURES Rs 12 BILLION IN ORDERS, STRENGTHENING INDIA'S TRANSMISSION INFRASTRUCTURE**
- › **SAATVIK GREEN ENERGY TO SUPPLY SOLAR PUMPS FOR IRRIGATION IN MAHARASHTRA**



## Policy and Regulatory

- › **INDIA ACCELERATES GREEN HYDROGEN REVOLUTION WITH MNRE IMPLEMENTATION GUIDELINES**
- › **DRIVING SUSTAINABILITY: CERC'S NEW CARBON CREDIT MECHANISM UNVEILED**
- › **GERC APPROVES TARIFFS FOR 259 MW SOLAR PROJECTS UNDER KUSUM, BOOSTING GREEN ENERGY IN GUJARAT**



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## RENEWABLES

### STERLITE POWER SECURES Rs 12 BILLION IN ORDERS, STRENGTHENING INDIA'S TRANSMISSION INFRASTRUCTURE

- > Sterlite Power has secured orders worth Rs 12 billion in the second quarter of 2024-25, focusing on transmission and distribution infrastructure.
- > The company has expanded its global reach by securing contracts for high-performance conductors and optical ground wire, serving both domestic and international clients.
- > Sterlite Power has also won contracts to upgrade and strengthen the grid infrastructure, including a notable project to uprate power lines for Gujarat Energy Transmission Corporation Limited (GETCO).
- > The company has been awarded a Rs 2.5 billion contract under the Government of India's disaster management scheme, focusing on providing reliable power supply to disaster-prone areas.
- > The orders encompass a variety of advanced technologies, such as high-performance conductors and cables, reflecting Sterlite's emphasis on innovation and efficiency.
- > With these new orders, Sterlite Power's total order book has surpassed Rs 65 billion, indicating strong business growth and a robust pipeline for future projects.
- > The orders are part of Sterlite's strategy to enhance grid infrastructure and ensure reliable energy access, aligning with national objectives for energy security and sustainable development.





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## RENEWABLES

### SAATVIK GREEN ENERGY TO SUPPLY SOLAR PUMPS FOR IRRIGATION IN MAHARASHTRA

- > Saatvik Green Energy has secured a major supply contract from MSEDCL to provide solar-powered submersible pumps. These pumps are designed to meet the irrigation needs of farmers in Maharashtra.
- > The project will cover more than 250 key locations across Maharashtra, with pumps ranging from 3 HP to 7.5 HP. This range allows flexibility in serving various agricultural requirements.
- > The initiative aligns with MSEDCL's commitment to promoting sustainable agricultural practices by leveraging renewable energy sources for irrigation.
- > Solar pumps will improve water accessibility, reducing dependency on conventional power sources and ensuring more reliable irrigation systems for farmers.
- > The project is part of Maharashtra's broader push to integrate solar energy into rural and farming sectors, contributing to clean energy adoption.
- > The implementation is expected to support long-term agricultural growth in the state while fostering the use of renewable energy, aligning with both environmental and economic goals.





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## POLICY AND REGULATORY

### INDIA ACCELERATES GREEN HYDROGEN REVOLUTION WITH MNRE IMPLEMENTATION GUIDELINES

- > The Ministry of New and Renewable Energy (MNRE) has allocated ₹ 2 billion (~\$23.95 million) to establish and upgrade testing facilities for green hydrogen. This program will address gaps in current capabilities and enhance the safety and reliability of green hydrogen technologies.
- > Under this mission, MNRE is promoting standards, regulatory frameworks, and world-class testing facilities to validate technologies in production, storage, and transportation of green hydrogen.
- > The National Institute of Solar Energy (NISE) will act as the Program Implementation Agency, overseeing projects for new and upgraded testing infrastructures.
- > The government will fund up to 100% of capital costs for public entities and up to 70% for private entities. Additional operational expenses are also supported for four years post-project completion.



- > Projects must be completed within 12-18 months of sanction. Extensions beyond six months could face penalties or project cancellation.
- > A steering committee chaired by the MNRE Secretary will oversee project progress and compliance, supported by a Project Appraisal Committee to evaluate and fund initiatives.
- > In parallel, MNRE has introduced a ₹4 billion (~\$48.12 million) R&D roadmap focusing on advancing technologies and materials to make green hydrogen production more efficient and cost-effective.



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## POLICY AND REGULATORY

### DRIVING SUSTAINABILITY: CERC'S NEW CARBON CREDIT MECHANISM UNVEILED

- > The Central Electricity Regulatory Commission (CERC) has proposed a robust framework to streamline carbon credit certificates under India's carbon trading market, a significant step in supporting climate action goals.
- > The initiative targets reducing greenhouse gas (GHG) emissions by incentivizing clean energy practices across sectors like renewable energy, industrial processes, and carbon capture technologies.
- > Key Features of the Proposal, Establishes GHG emission intensity targets for obligated entities. Allows entities to earn or trade carbon credits based on performance relative to these targets.
- > Coverage includes advanced green technologies like green hydrogen production, renewable energy with storage, and carbon capture and storage (CCS), promoting sector-wide sustainability.
- > Accredited Carbon Verification Agencies (ACVs) will ensure compliance and assess GHG reductions achieved by entities. This mechanism ensures transparency and credibility in carbon credit issuance.
- > The proposal aligns with India's commitments under international climate agreements, fostering a structured carbon trading system that incentivizes industries to adopt greener technologies.
- > The Bureau of Energy Efficiency (BEE) and the Ministry of Environment will oversee implementation, ensuring adherence to defined targets and proper operational frameworks.





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## POLICY AND REGULATORY

### ➤ GERC APPROVES TARIFFS FOR 259 MW SOLAR PROJECTS UNDER KUSUM, BOOSTING GREEN ENERGY IN GUJARAT

- Gujarat Electricity Regulatory Commission (GERC) approved tariffs for 259 MW of solar projects under the PM-KUSUM Component C scheme. The approved tariff ranges between ₹2.72 and ₹2.81 per kWh, based on the specific project bids.
- The projects will focus on feeder-level solarization to support agricultural operations by supplying reliable and clean energy.
- The projects are eligible for central financial assistance, reducing the financial burden on developers while promoting the adoption of renewable energy.
- The tendering process for these projects encouraged competitive bidding, ensuring cost-effectiveness and sustainability in solar project deployment.
- The approved capacity of 259 MW will be distributed across multiple districts in Gujarat, emphasizing the integration of renewable energy in rural and agricultural areas.



- By targeting feeder-level solarization, the initiative aims to reduce dependency on conventional energy sources, providing long-term economic and environmental benefits to the farming community.
- The initiative aligns with India's renewable energy targets, enhancing solar energy deployment while supporting rural electrification.