



POWER SECTOR

NEWSLETTER | WEEK 27 | JUL 24



POWER PURCHASE

» JAKSON GREEN SIGNS 400-MW SOLAR POWER PURCHASE AGREEMENT WITH NHPC

- > Jakson Green has signed a 400 MW solar PPA with NHPC Limited at a tariff of Rs 2.53 per kWh.
- > The project, won through competitive bidding by NHPC, is to be commissioned within 24 months.
- > The project will be located in Rajasthan, connected to the central grid, and is expected to supply energy for about 0.4 million households annually.
- > The project aims to reduce CO2 emissions by approximately 752,000 metric tonnes each year and create significant job opportunities.
- > This agreement expands Jakson Green's development portfolio to 1 GW as an independent power producer.
- > In June 2024, Jakson Green also secured a flue gas CO2 to 4G ethanol project from NTPC Limited for a plant in Lara, Chhattisgarh.



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RENEWABLES

>> MNRE TO OFFER INCENTIVES FOR 450,000 MTPA OF GREEN HYDROGEN IN TRANCHE II

- > MNRE has issued guidelines for incentivizing up to 450,000 MTPA of green hydrogen production under Component II of the SIGHT program.
 - > SIGHT is part of the \$1.57 billion National Green Hydrogen Mission to boost the green hydrogen economy in India from 2025-26 to 2029-30.
 - > Component I focuses on electrolyzer manufacturing incentives with a budget of ₹44.4 billion (\$541.2 million).
 - > Component II supports green hydrogen production, managed by SECI through competitive bidding.
 - > Incentives are tiered over three years: ₹50 (\$0.61)/kg in year one, ₹40 (\$0.49)/kg in year two, and ₹30 (~\$0.37)/kg in year three.
 - > Incentives for derivatives like green ammonia are based on the green hydrogen used, with an equivalence factor of 0.1765 kg of green hydrogen per kg of green ammonia.
- > Auctions are divided into two buckets: Technology Agnostic Pathways (410,000 MTPA) and Biomass-Based Pathways (40,000 MTPA).





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RENEWABLES

» SJVN GREEN TO PROVIDE 4,500 MW OF RENEWABLE ENERGY TO AM GREEN FOR GREEN AMMONIA PRODUCTION

- > AM Green has signed an MoU with SJVN Green Energy Limited to supply 4.5 GW of renewable energy for its green ammonia facilities in India.
- > SJVN Green Energy will develop this capacity using solar and wind power, with an initial phase providing 1,500 MW within two years.
- > AM Green will use pumped hydro storage to ensure a consistent green energy supply.
- > In June 2024, AM Green received CertifHy EU RFNBO pre-certification for its green ammonia project in Kakinada, Andhra Pradesh.
- > The project's production capacity is set to increase from one to five million tonnes per year by 2030.





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POLICY AND REGULATORY

» MOP RELEASES DRAFT OF REVISED GUIDELINES FOR INSTALLATION AND OPERATION OF EV CHARGING INFRASTRUCTURE

- MoP has released draft "Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024," effective July 1, 2024, replacing earlier versions.
- Guidelines apply to EV charging infrastructure in private, semi-restricted, and public locations.
- Goals include accelerating EV adoption, ensuring safe and accessible charging, establishing fair service charges, developing infrastructure, and preparing the electrical system for EV integration.
- Any individual or entity can establish EV charging stations if guidelines are followed.
- Distribution licensees must supply electricity connections within specified timeframes (3 days in metro areas, 7 days in other municipal areas, 15 days in rural areas, 30 days in hilly rural areas, and 90 days if new infrastructure is needed).
- Distribution licensees should create user-friendly online systems for quick electricity connection approvals.
- Charging stations must meet safety and operational standards, offer prepaid and postpaid service charges, and have systems for tracking usage, billing, and payments.
- Electricity tariffs for EV charging stations will be single-part rates, not exceeding the average cost of supply (ACOS) until March 31, 2026, with specific rates during solar (0.7 times ACOS) and non-solar hours (1.3 times ACOS).
- Government and public entities are encouraged to provide land for public charging stations at discounted rates with revenue-sharing arrangements.
- The Bureau of Energy Efficiency will oversee the guidelines' implementation, while state and city authorities will map potential EV charging demand and support station deployment.



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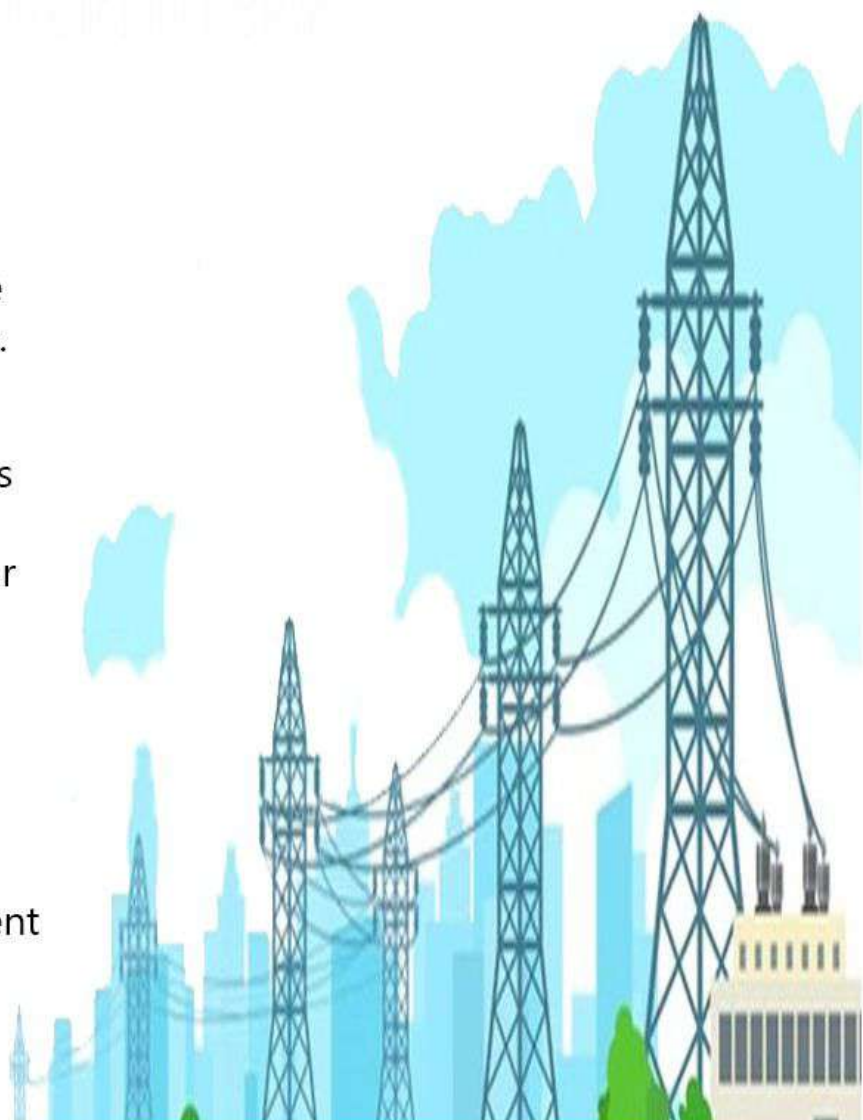
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POLICY AND REGULATORY

» CERC NOTIFIES CERC (CONNECTIVITY AND GENERAL NETWORK ACCESS TO THE INTER-STATE TRANSMISSION SYSTEM) (SECOND AMENDMENT) REGULATIONS, 2024

- The Central Electricity Regulatory Commission (CERC) has issued the CERC (Connectivity and General Network Access to the inter-State Transmission System) (Second Amendment) Regulations, 2024.
- The changes introduced aim to streamline the process and promote the integration of renewable energy.
- The amendment regulations introduce a new category for entities authorized to procure renewable energy for their own consumption or resale.
- Minor deficiencies in applications will now be communicated within 10 working days, enabling quicker corrections.
- A new minimum capacity requirement of 25 MW has been established for applicants in the North Eastern Region and Sikkim.





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POLICY AND REGULATORY

DERC ISSUES GUIDELINES FOR PEER-TO-PEER ENERGY TRANSACTION

- > The Delhi Electricity Regulatory Commission (DERC) has issued guidelines for prosumers and consumers to engage in secure peer-to-peer (P2P) electricity trading.
- > The Delhi discoms had submitted a petition to establish the charges necessary to facilitate these transactions.
- > The commission's guidelines are designed for prosumers but do not apply to those involved in ground-mounted projects or consumers who opt to trade energy among themselves using an online platform provided by service providers or distribution licensees.
- > Those eligible to engage in P2P transactions include prosumers and consumers with sanctioned loads or contract demands of 200 kW or less, or equivalent kVA.
- > The capacity of renewable energy systems installed or planned at the prosumer's site cannot exceed 500 percent of their sanctioned load.



- > Participants can switch between virtual net metering, group net metering, and P2P energy transactions once per financial year.
- > If applicable, individuals choosing P2P energy transactions must cancel their virtual net metering or group net metering connectivity agreements.