

WEEKLY NEWSLETTER



Power Regulatory & Policy:

14 to 20 December 2025

Bihar's renewable energy policy signals a shift beyond electrification

Bihar launched its Renewable Energy Policy 2025, targeting 340 megawatts of off-grid capacity by 2030. It assigns 110 megawatts to solar uses like cold storage and electric vehicle charging, 50 megawatts to mini grids, and 180 megawatts to solar pumps, focusing on rural income generation.

Telangana HC pulls up discom over ₹118 crore power dues by GITAM University

The Telangana High Court criticised TGSPDCL for continuing power supply to GITAM University despite ₹118.13 crore in arrears since 2008-09, while acting swiftly against small consumers. The court summoned a senior official to explain the inaction, with the case adjourned for further hearing.

MNRE directs wind developers to install SCADA controls near IAF airfields

MNRE has asked wind power developers near Indian Air Force airfields to urgently deploy SCADA-based remote control systems. The move addresses radar interference from turbine Doppler signals and enables immediate shutdowns during defence operations, as mandated in Defence No Objection Certificates.

CSERC grants exemption from dedicated feeder requirement to multiple industrial

The Chhattisgarh State Electricity Regulatory Commission allowed several industries to access solar photovoltaic power through open access without installing dedicated feeders. As per recent orders, this supports captive solar use under existing regulations, subject to compliance with technical conditions prescribed by the utilities.

CSERC allows captive solar users exemption from dedicated feeder norms

CSERC has continued granting exemptions from dedicated feeder requirements for industrial consumers using captive solar power. Recent orders, including Petition No. 83/2025, allow open access through multi-consumer feeders subject to defined technical and safety conditions.

Odisha moves land lease policy to fast-track renewable energy projects

Odisha is advancing a land lease policy to provide developers 25-year leases at nominal rates, easing land acquisition for renewable projects. The move supports net-zero goals and complements SECI's MoU for 2.5 GW solar and 1,000 MWh battery storage development.

KERC issues draft Forecasting, Scheduling, Deviation Settlement Mechanism Regulations, 2025

The Karnataka Electricity Regulatory Commission released draft regulations on December 17, 2025, covering forecasting, scheduling, and deviation settlement for wind, solar, and hybrid generators. The rules apply to specified capacity thresholds and require advance forecasts to the State Load Despatch Centre to ensure grid stability.

MNRE asks states to disclose spare transmission capacity to ease RE evacuation

MNRE has directed state transmission utilities to publish spare capacity at 400 kV, 220 kV and 132 kV substations. The move, modelled on Rajasthan's disclosure of up to 13 GW spare capacity, aims to improve transparency, help renewable developers plan projects, and reduce power curtailment.

Punjab's subsidy dues top ₹10,000 crore amid strong national clean-energy growth

Punjab's power subsidy arrears have exceeded ₹10,000 crore, straining the state utility's finances, even as India sees record renewable additions and rising industrial green-power use. The contrast underscores fiscal stress despite strong national clean-energy momentum.

CEA proposes mandatory third-party fire safety audits for BESS installations

The CEA has issued a draft SOP requiring independent fire safety audits for BESS to tackle risks like thermal runaway. It mandates bi-annual inspections, five-year audits, a dedicated safety officer, and 10-year record retention, with comments open until January 11, 2026.



Kundan Green Energy and Havells India commission 21.43 MW captive solar facility in Rajasthan.

The project is being implemented by Kundan Solar (Pali) Private Limited, a special purpose entity of Kundan Green Energy. Havells India holds a 26 percent equity stake as a captive user. The 21.43 megawatt direct current plant is situated in Rajasthan, benefiting from strong solar resources.

India approves first-ever coal export policy amid surplus at power plants

India's cabinet has cleared a new policy allowing coal exports for the first time, letting plants with assured domestic supply export up to 50% of allocated coal, as strong output leaves stocks above power sector requirements.

Maharashtra pushes green energy, plans 800-MW supercritical thermal unit at Chandrapur

Maharashtra outlines ambitious renewable targets alongside a new 800 MW ultra-supercritical thermal unit at Chandrapur Super Thermal Power Station (CSTPS) to balance rising demand and grid stability. This Rs 9,892 crore project uses advanced technology for higher efficiency and lower emissions.



Bidding and PPA:

POWERGRID Invites Bids to Select Partner for NVVN's 500 MWh BESS Tender

Power Grid invited bids to partner on NTPC Vidyut Vyapar Nigam's 250 megawatt, 500 megawatt hour energy storage project, subject to upstream award, with 15 month completion and 16 year maintenance.

Northeast Frontier Railway Invites Bids for 1 MW Solar Project in West Bengal

Northeast Frontier Railway sought bids for a one-megawatt solar project in West Bengal by January 5, 2026. The corporation commissioned 359.58 megawatts, while ReNew secured a 150-megawatt Google deal and Tata Power planned two-thousand-crore-rupee bonds.

NLC India Renewables signs PPA with SJVN for 200 MW wind project

NLC India Renewables has signed a long-term PPA with SJVN for a 200 MW wind power project under the ISTS Wind-2 Tranche. The project is expected to generate around 500 million units of green electricity annually, supporting India's clean energy targets.

NLC India wins LoA for 110 MW solar project to power NCRTC transit corridor

NLC India has secured an LoA from NCRTC to build a 110 MW captive solar project in Uttar Pradesh. The plant will supply clean power to the Regional Rapid Transit System through a long-term PPA, supporting greener transport infrastructure.



Acme Solar completes commissioning of 52 MW of 100 MW wind project in Gujarat

ACME Solar Holdings Limited commissioned 52 megawatts at a wind project in Surendranagar, Gujarat, with 8 megawatts through subsidiary, financed by Power Finance Corporation, supplying Gujarat Urja Vikas Nigam Limited under a 25 year agreement.

Google-ReNew solar deal, nuclear reforms and PM Surya Ghar boost clean energy push

Google has partnered with ReNew Energy for a 150 MW solar project in Rajasthan, while the Centre introduced a bill to open nuclear power to private players. Meanwhile, PM Surya Ghar has added 7 GW, benefiting nearly 24 lakh households.

NLC India Renewables, PTC India sign JV for 2 GW of renewable projects

NLC India Renewables and PTC India have agreed to form a joint venture to develop about 2 GW of solar and wind projects, targeting long-term green power supply to C&I and utilities.

Rajasthan Leads India's Solar Growth, Contributing Over 27% to National Capacity

Rajasthan has emerged as India's leading solar powerhouse, contributing just over 27% of the country's total installed solar capacity and firmly positioning itself at the center of India's clean energy expansion.

Coal's share in India's electricity mix likely to fall from over 70% in 2025 to about 60% by 2030

Coal's share of India's power mix may fall from above seventy percent in 2025 to around sixty percent by 2030, as renewables, hydropower and lower cooling needs offset rising coal demand despite coal capacity additions.

India reaches 121.68 GW of solar module manufacturing capacity

MNRE told Lok Sabha that India's approved solar PV module manufacturing capacity has reached 121.68 GW, with SECI's own projects plus PLI-backed factories creating significant new clean-energy jobs.

Rajasthan's power generation capacity surges to 54.77 GW on back of renewables and grid upgrades

Rajasthan's installed capacity reached 54.77 GW by October 31, 2025, up from 22.02 GW in 2020, driven largely by solar and wind plus new Green Energy Corridor lines and substations to evacuate around 4.9 GW of RE.



Banking & Energy Transition Risks :

TN seeks additional central funding for 2,500 MW BESS rollout

Tamil Nadu has sought ₹18 lakh per MW in additional central support for its 2,500 MW BESS programme. With 1,000 MWh already allocated and bids underway for the rest, the storage push aims to manage peak demand and stabilize a grid with over 55% renewable capacity.

Technology :

Freyr Energy launches smart self-cleaning and hybrid solar solutions

Freyr Energy has introduced intelligent self-cleaning and hybrid solar systems to tackle dust losses and power outages. The sensor-based technology improves output by 5%, reduces water use by 90%, and is already deployed in over 12,500 installations, supporting India's 500 GW renewable target.

Apraava Energy's AI-ML solution recognised by Ministry of Power for advancing India's power distribution sector

Apraava Energy, part of the global CLP Group, received recognition for its AI-ML platform that optimises distribution network performance, showcasing how advanced analytics can cut losses, improve reliability and support cleaner power integration.

ISGF releases handbook on AI, ML, VR, AR and robotics solutions for India's power sector

The India Smart Grid Forum has launched a new handbook cataloguing AI/ML, VR/AR and robotics applications for utilities, aimed at helping DISCOMS adopt digital tools for smart metering, grid automation, predictive maintenance and customer services.

Vedanta Aluminium advances India's low-carbon manufacturing with 1.57 billion units of renewable energy in FY25

Vedanta Aluminium reports using 1.57 BU of renewable power in FY25 and scaling digital-led efficiency measures, cutting GHG intensity by about 9% since FY21 as part of its 2030 decarbonisation roadmap.

India boosts power-sector cybersecurity with new POWERGRID Centre of Excellence at IISc

India has set up the POWERGRID Cybersecurity Centre of Excellence at IISc Bengaluru to strengthen grid security, complementing CSIRT-Power. Updated CEA guidelines mandate audits and firewalls, while states like Gujarat are deploying advanced protections, with no major NLDC breaches in five years.



Research and development :

IIT Madras releases roadmap to scale sustainable green hydrogen in India

Researchers at IIT Madras have unveiled a roadmap to advance green hydrogen in India, outlining strategies to overcome scaling challenges in production, storage, and commercialization. Released on December 16, the study aligns with national clean energy and decarbonisation goals.

India reports key updates on hydrogen demand, solar growth and nuclear reforms

India's hydrogen demand is expected to double to 12 million tonnes by 2030, led by fertilizers, refining and petrochemicals. December 15 developments also include new solar initiatives and rising private interest in nuclear projects.



International:

India to fuel biggest rise in coal demand till 2030 despite global slowdown: IEA

The International Energy Agency Coal 2025 report projects India's coal demand to grow by about three percent annually until 2030, adding roughly 225 million tonnes, the largest global increase, driven by rising electricity demand, coal power expansion, industrial use, and supportive policies, despite renewables gradually reducing coal's power share.

Kenya signs \$311 million power lines deal with Africa fund and PowerGrid Corporation of India

Kenya has agreed a \$311 million investment to build two new high-voltage transmission lines with a pan-African infrastructure fund and India's POWERGRID, aimed at strengthening grid reliability and integrating more renewable power.

Data centres told to increase use of renewable energy in Ireland

Ireland's regulator now requires data centres to source at least 80% of their annual demand from new renewable projects within six years, forcing heavy electricity users to directly underwrite additional wind and solar capacity.

Sonnedit wins 805 MW of solar contracts in Italy

JP Morgan-backed Sonnedix has secured government-backed contracts for 805 MW of solar capacity in Italy across three support schemes, reinforcing its position as a major European PV developer amid accelerating utility-scale build-out and signalling continued investor appetite for large, contracted renewable portfolios in mature EU power markets.

French energy giant EDF eyes possible sale of US renewables unit

EDF is weighing a sale of all or part of its US renewable energy business as part of a five-year cost-cutting and refocusing strategy, which could reshape ownership of a sizeable American wind-solar portfolio.

Indonesia approves 50 MW solar project with battery storage for new capital

A 50 MW solar plant with a 14.2 MWh battery will help power Indonesia's upcoming capital, Ibu Kota Nusantara, showcasing utility-scale solar-plus-storage as a core supply for a new city.



Investment and Funding

KPI Green Energy to raise INR 475 crore from promoters

KPI Green Energy approved raising INR 475 crore via a preferential issue of fully convertible equity warrants to promoter entity Quyosh Energia, pending approvals, to fund expansion aligned with India's renewable energy growth.

BSPGCL signs deals for 2.1 GW pumped storage projects in Bihar

BSPGCL has signed agreements with Greenko and Sun Petrochemicals to develop 2.12 GW of pumped storage projects in Bihar, offering over 14,000 MWh storage. The ₹13,000-crore investments will support grid stability, renewable integration, and job creation, with completion targeted in six years.

Clean energy subsidies rise as India narrows gap with fossil fuel support in FY24

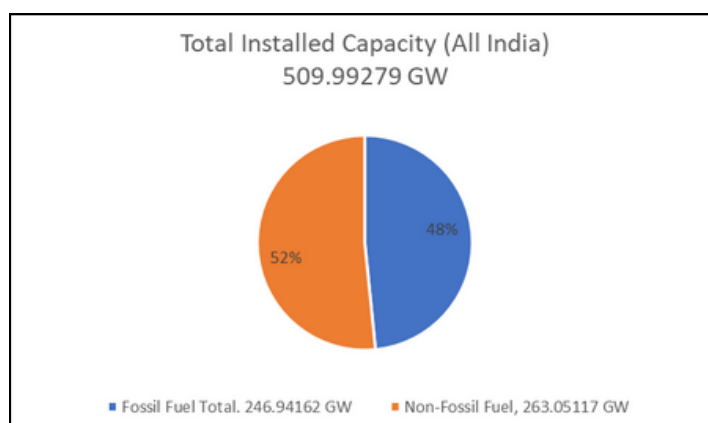
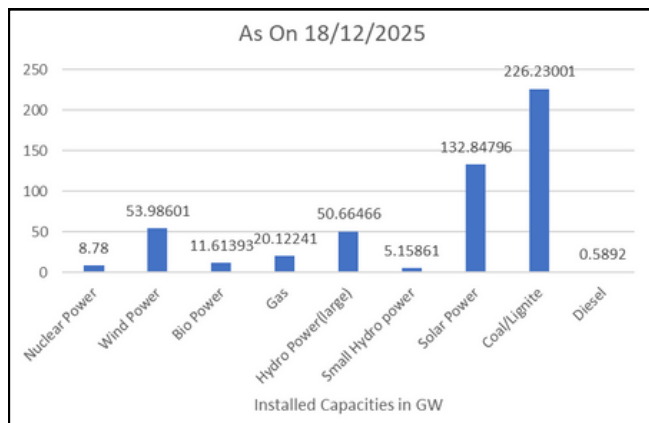
India sharply increased clean energy subsidies in FY24, narrowing the gap with fossil fuel support to its lowest level in five years, even as electricity subsidies hit record highs and PSU capital spending remained heavily tilted toward fossil fuels, a new IISD report finds.

PSERC approves INR 9,083.92 crore investment plan for PSPCL for FY 2026-29

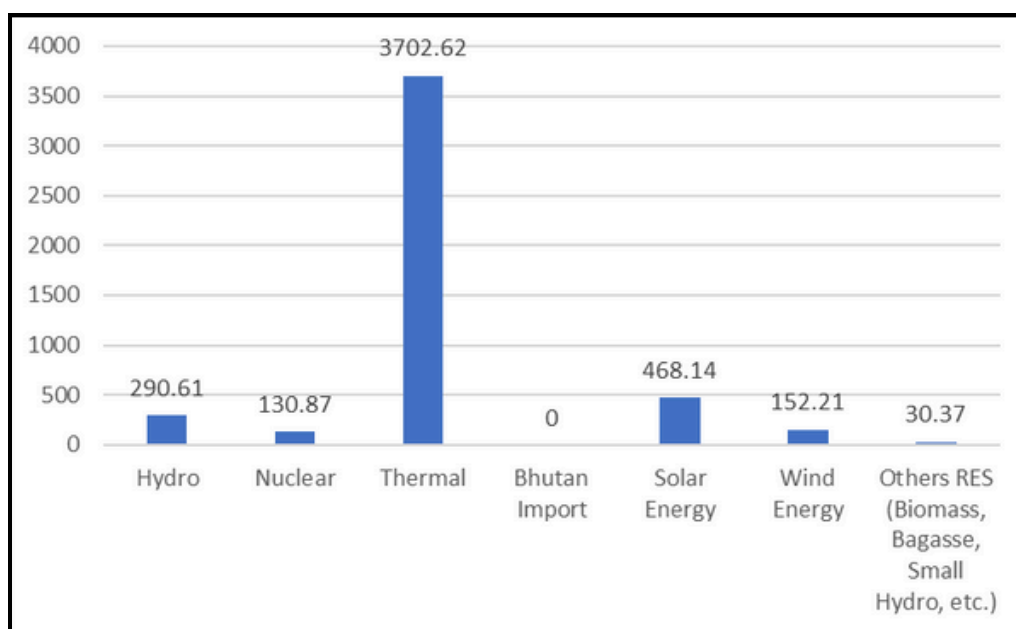
The Punjab State Electricity Regulatory Commission (PSERC) approved Punjab State Power Corporation Limited's (PSPCL) ₹9,083.92 crore capital investment plan for FY 2026-29, focusing on generation and distribution enhancements. This multi-year tariff (MYT) plan supports infrastructure upgrades amid rising demand.

Facts & Figures:

Installed Capacity (GW)



Daily Generation (MU) as on 18 December 2025



Power Exchange Market Snapshot

(14 to 20 December 2025)

Day Ahead Market (DAM)

Day Ahead Market Snapshot: Avg. MCP (20 December'25):
Rs. 4.35 /kWh



Green Day Ahead Market (GDAM)

Green Day Ahead Market Snapshot: Avg. MCP (20 December'25): Rs. 4.61/kWh

