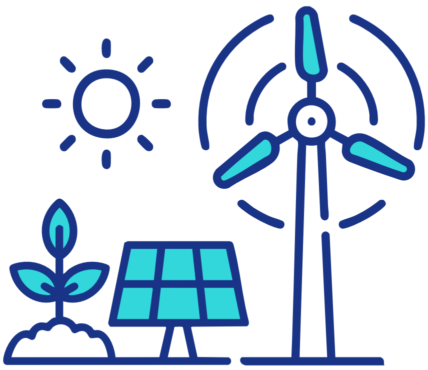


INDIA'S RENEWABLE ENERGY LANDSCAPE

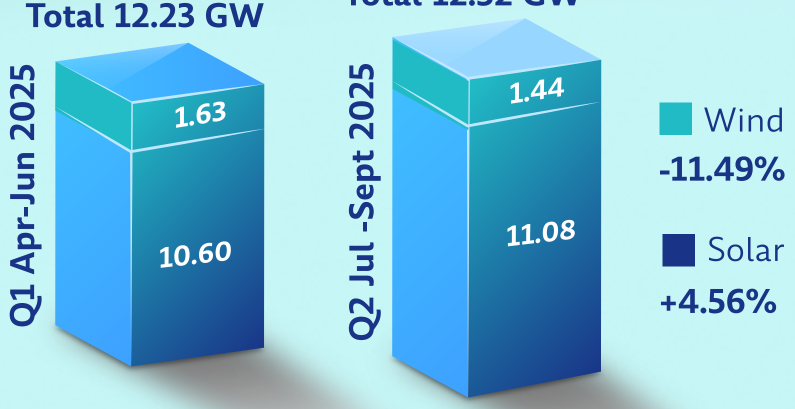
(Q2 2026) Snapshot

India continues to power ahead on its clean energy mission, solidifying its position as one of the world's fastest-growing renewable energy markets. As of September 2025, the nation's total installed renewable energy capacity (including large hydro) has reached an impressive 247.30 GW, marking a major milestone in its journey toward the 500 GW non-fossil capacity target by 2030. India has also reached a total capacity of 100 GW in solar PV module manufacturing.

Share of Total RE (247.30 GW)

Installed RenewableCapacity (as of Sept 2025)

Renewable Energy Capacity Addition (In GW)



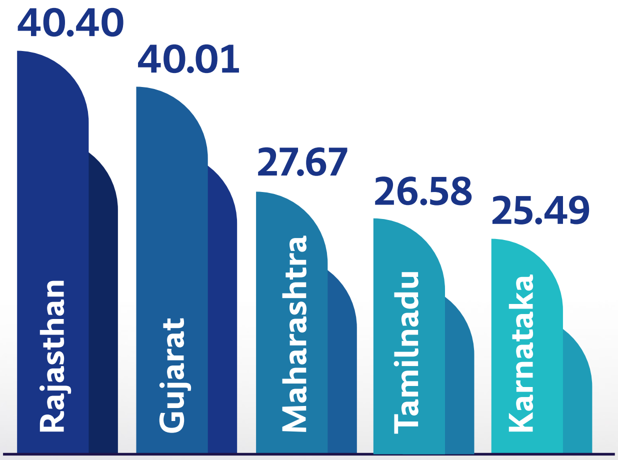
2.37%

Renewable Energy Capacity Increase in Q2FY26

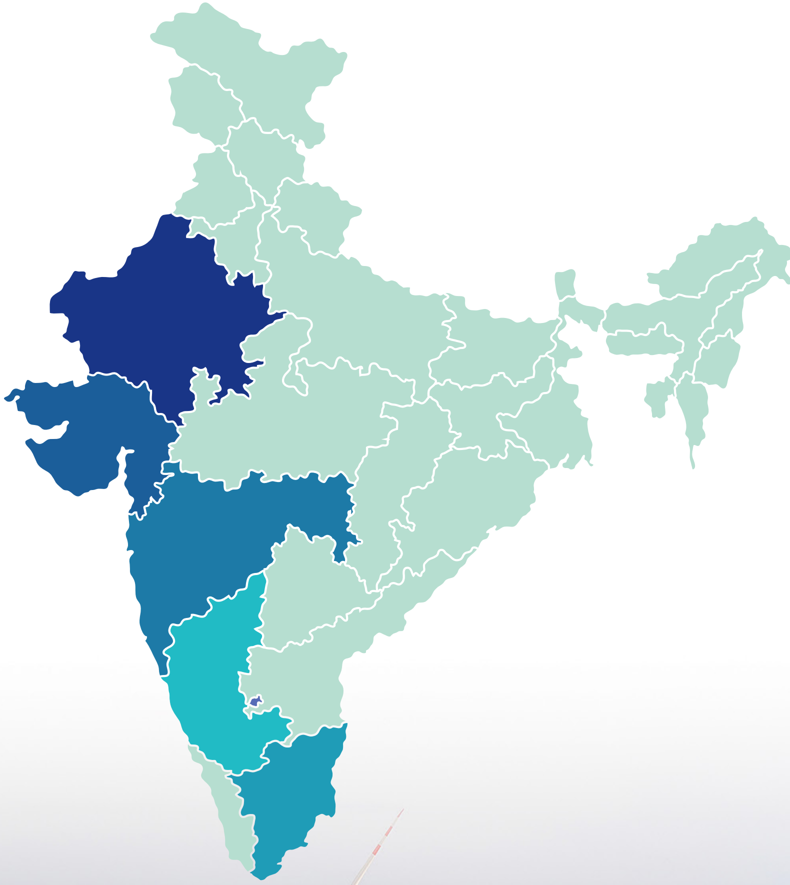
Note

The graph illustrates data pertaining exclusively to solar and wind power generation. Other renewable energy sources are not included in this representation.

Top
5 States
by Renewable Energy Capacity



Total Capacity (in GW)



Key Drivers

Rajasthan:
Solar & wind hub with large hybrid parks

Gujarat:
Aggressive solar, wind, and manufacturing base

Maharashtra:
Strong solar and biomass mix

Tamilnadu:
Solar-wind hybrid and distributed RE

Karnataka:
Early mover in wind and hybrid energy

India's renewable energy transformation is not merely a story of expanding capacity it is a testament to confidence, capital, and climate resilience.

The following sections of this report explore the latest industry developments, the impact of GST reforms on clean energy economics, the wave of mergers and acquisition (M&A) activity reshaping ownership and scale, and the growing importance of Lender's Insurance Advisory (LIA) in supporting sustainable project execution and investment security.

RECENT DEVELOPMENTS

Innovation, investment, and policy momentum are driving renewable energy transformation

Financing, Bids & IPO Momentum

SECI Invites Bids for Green Hydrogen Hubs

The Solar Energy Corporation of India (SECI) has invited proposals for preparing Detailed Project Reports (DPRs) under the National Green Hydrogen Mission. Bids weighted 60% technical and 40% financial.

MNRE Hikes National Bioenergy Program Budget by INR 1.4 Bn

The MNRE has increased the Phase I Bioenergy Program budget to INR 9.98 Bn, supporting biogas, biomass, and waste-to-energy projects and simplifying performance inspections for biomass processing units.

Emmvee Photovoltaic Gets SEBI Nod for INR 30 Bn IPO

Emmvee Photovoltaic Power has received SEBI approval to raise INR 30 Bn (USD 340 Mn) via IPO to repay debt and expand its solar manufacturing business.

Rays Power Infra to Tap Capital Market with INR 11.5 Bn Public Issue

Rays Power Infra has filed for an INR 11.5 Bn (USD 129.5 Mn) IPO to fund a 1.5 GW solar cell plant in Madhya Pradesh and support working capital and corporate needs.

Policy, Regulations & Market Challenges

MNRE Issues Battery Testing Guidelines

The MNRE has released draft testing and approval norms for solar storage batteries under BIS registration (IS 16270:2023), covering lead-acid, lithium-ion, and nickel-based technologies to ensure product standardization.

Tamil Nadu Notifies Green Energy Open Access Regulations, 2025

Effective October 1, 2025, Tamil Nadu's new regulations allow consumers with ≥50 kW load to procure renewable power directly. The framework introduces 15-minute energy banking and an 8% banking charge.

India Imposes 30% Anti-Dumping Duty on Chinese Imports

To protect domestic manufacturers; India has imposed a 23–30% anti-dumping duty on Chinese solar cell imports for three years following DGTR findings of below-cost dumping.

Industrial Expansion & Manufacturing Growth

1 **INA Solar Commissions 4.5 GW Module Plant in Rajasthan**
INA Solar has inaugurated a 4.5 GW module facility, raising total capacity to 5.5 GW, with expansion to 10 GW planned by 2028.

2 **PIXON to Expand Solar Module Capacity to 1.8 GW at Rajkot Plant**
PIXON Solar company is expanding its Rajkot plant from 1 GW to 1.8 GW, focusing on advanced technologies with automated manufacturing.

3 **MNRE Adds 4.8 GW Solar Cell Capacity to ALMM List-II**
The MNRE has added 4.8 GW of new solar cell capacity to the Approved List of Models and Manufacturers (ALMM), raising total enlisted cell capacity to 17.9 GW and module capacity to 109.5 GW nationwide.

4 **POWERGRID Wins 4.5 GW Transmission Project**
POWERGRID won the 4.5 GW renewable transmission project tender, to be executed under a BOOT model and completed by March 30, 2028, strengthening grid reliability.

5 **Envision Energy Begins Construction of 2 GW Wind Blade Facility**
Envision Energy has begun building a 2 GW wind turbine blade plant in Gujarat, capable of producing 1,500 blades annually for over 4 GW of projects,

6 **Websol Announces INR 30 Bn Expansion to Scale Solar Manufacturing**
Websol Energy plans a INR 30 Bn expansion to add 4 GW solar cell and 4 GW module capacity, targeting 5.2 GW cells and 4.5 GW modules by 2028.

7 **Jakson to Invest INR 80 Bn in 6 GW Integrated Solar Facility**
Jakson Group will invest INR 80 Bn (USD 913 Mn) to build a 6 GW integrated solar manufacturing facility in Madhya Pradesh, with Phase 1 (3 GW each of cells and modules) expected by May 2026.

8 **Bluebird Solar Expands Module Manufacturing to 2.5 GW**
Bluebird Solar is scaling its Greater Noida facility from 1.2 GW to 2.5 GW by October 2025, integrating AI-based automation and energy-efficient production.

9 **Parishi Capital Invests INR 404.8 Mn in Navitas Solar**
Parishi Capital has invested INR 404.8 Mn (USD 4.7 Mn) in Navitas Solar, expanding its Ahmedabad module manufacturing plant to 2.5 GW and funding a 3 GW cell plant by 2026.

EMERGING TRENDS: GST REFORM TO ACCELERATE INDIA'S CLEAN ENERGY TRANSITION

Lower taxes, higher efficiency powering affordability and growth in India's renewable sector

Overview

In a landmark decision, the 56th GST Council (3 September 2025) approved a major tax rationalisation to make renewable energy more affordable and competitive. The new 5% GST rate reduced from 12% applies to solar modules, windmills, biogas plants, waste-to-energy systems, and tidal power devices. At the same time, GST on coal and lignite increased to 18%, signalling a clear policy shift toward clean energy and away from fossil fuels. This twin reform lowers project costs, improves tariff competitiveness, supports domestic manufacturing, and strengthens India's pathway to 500 GW of non-fossil capacity by 2030.

Snapshot of Reforms

Category	Previous GST Rate	New GST Rate
Renewable energy devices (solar, wind, hydro, biogas, etc.)	**12%**	**5%**
Green hydrogen equipment	**18%**	**5% (proposed)**
Lithium-ion batteries	**18%**	**18% (unchanged)**
Non-lithium-ion batteries (lead-acid, sodium, flow, etc.)	**28%**	**18%**
Coal / fossil-fuel-linked inputs (for reference)	**5%**	**18%**

Expert Opinion: GST Implications - Insurance Perspective

The revised GST regime has brought significant economic gains and insurance implications for the renewable energy sector. The reduction in GST on solar modules, inverters, and wind components has lowered project capex, improved liquidity, and boosted investment appetite. However, it also impacts asset valuations, sum insured, and premium computation, as insurance values are based on the landed cost inclusive of taxes and freight.

The Impact

- For procurements of new assets, the insured value will be decreased due to reduction in GST rates which result in decrease in premiums for such new assets. Also for the existing old assets, the values of such assets can be adjusted to the tune of GST reduction and the values to be reinstated adjusting impact of GST reduction, thereby insured value of old assets will be decreased resulting in reduction in premium. This reduction in sum insured for old assets can be done during next renewal to achieve premium efficiency.
- Economically, GST cuts are expected to reduce solar project costs by INR 2–2.5 Mn/MW, saving INR 1 Bn on a 500 MW park. Rooftop systems are INR 9,000–10,500 cheaper; PM-KUSUM pumps save INR 17.5 Bn across one million units. Manufacturing costs may fall 3–4%, supporting Make in India, while DISCOMs could save INR 20–30 Bn annually. The sector may unlock INR 1,000–1,500 Bn of new investments, create 0.5–0.7 million jobs, and reduce 50–70 million tonnes of CO_2 annually by 2030.
- Key challenges include inverted duty structures, contract realignments under Change-in-Law clauses, and delayed refunds. Lower GST on non-lithium batteries supports storage expansion but requires stronger grid and quality management.

INSURANCE FOCUS: LENDERS INSURANCE ADVISORY

Empowering Lenders in Infrastructure & Renewables

Understanding Lender Insurance Advisory (LIA)

As lenders extend project-financing or term-loans to large-scale infrastructure and renewable energy projects, they face a critical need: ensuring the borrower has appropriate insurance in place to protect the financed assets, revenue streams and guarantees. In this context, Edme acts as Lender's Insurance Advisor (LIA) appointed by the lender to provide independent insurance risk-advisory on behalf of the lender, for the benefit of both parties.

Why Edme? Our Unique Value

- A strong track record of advising lenders on infrastructure projects including solar projects, wind projects, road assets and many more.
- Deep understanding of risk management in infrastructure and renewables (construction risk, operational risk, performance risk, revenue shortfall, environmental risk).
- Capability to engage with legal/technical/financial advisers, insurers and brokers to shape insurance structure suitable for project-finance transactions.
- Ability to act as the independent "eyes and ears" for the lender, providing assurance that the borrower's insurance arrangements are appropriate, compliant and maintained over time.
- Expert guidance on appropriate insurances dovetailing with Offtake agreements which provides assurance to lenders and improves the bankability of the project.

Our LIA Offerings

In the renewable energy sector (solar, floating solar, bio-CNG, wind/solar hybrids), we deliver LIA services as follows:

Phase	Activities
Kick-off & risk scan	Review project documentation, lender's requirements, borrower's insurance plan.
Risk & policy review	Detailed analysis of borrower's insurance policies, coverage gaps, counter-party risk, ensure hypothecation in name of lender.
Benchmarking & recommendation	Comparison with market standards; advise on required improvements.
Monitoring & reporting	Periodic updates to the lender on the adequacy of sum insured, claims developments, flagging renewals and changes in risk exposures.

Case Study : LIA for Renewable Energy Portfolio (INR 50 Bn)

A leading public sector lender engaged Edme Insurance Brokers as LIA for a multi-phase renewable portfolio (solar, floating solar, and bio-CNG) worth approximately INR 50 Bn.

Recommendations:

- **Ensuring sum insured adequacy in line with project cost.**
- **Ensuring hypothecation is done under the lender's name.**
- **Ensuring the policy remains valid until project completion.**

Edme's Actions & Outcome:

Action	Result
Standardized insurance structure across all phases	Full compliance with financing terms
Added equipment breakdown, BI, and environmental liability covers	Enhanced lender protection and revenue continuity
Created lender insurance dashboard for monitoring	Project achieved financial closure on schedule

Conclusion

With lenders' credit exposure running into many hundreds of crores (or thousands in the case of large portfolios), the role of a robust Lender's Insurance Advisory is no longer optional it is a core risk management discipline. Edme, by virtue of our infrastructure and renewables-experience, is well placed to serve this need for its lending partners and other institutional financiers.

M&A ACTIVITY & STRATEGIC MOVES (JUL–SEP 2025)

India's Renewable Energy Enter a New Phase: Driven by Scale, Capital, and Strategic Consolidation

Overview

India's renewable energy industry continues to experience an active wave of consolidation and strategic acquisitions, as investors and infrastructure funds seek to scale portfolios, enhance asset quality, and secure long-term cash flows. During July–September 2025, deal momentum accelerated across solar, wind, hybrid, and bioenergy segments, with investors focusing on platform-level acquisitions, hybrid assets, and ready-to-build portfolios.

Market pulse (last 9 months)

M&A deal volume: 127 deals in the first nine months of 2025, a 9% increase from 117 deals in the same period in 2024.

Project acquisitions (9M 2025): 165 project acquisitions totalling 29 GW (9M 2024 - 166 project totalling 28.3 GW).

Solar downstream companies led financing activity with 40 deals worth INR 220.53 Bn (USD 2.5 Bn) in 9M 2025.

India's solar sector attracts INR 1526.03 Bn (USD 17.3 Bn) in corporate funding in Jan-Sept 2025

Key M&A Highlights (Jul–Sep 2025)

Company	Transaction Summary	Strategic Impact
Zelestra (EQT-backed)	Plans to sell its India RE business for INR 35.2 – 44.1 Bn (USD 400–500 Mn), including 3 GW of solar, wind & battery storage.	Indicates portfolio monetisation and sector maturity; strong interest from Brookfield & JSW.
Neo Group – NIIOF	Acquired SolarArise India Projects (0.43 GWp, INR 14 Bn EV).	Marks fund's entry into renewables; builds stable, operating asset base across five states.
Torrent Power	Invested INR 2.11Bn in Newzone India Pvt Ltd to expand clean energy presence.	Strengthens Torrent's renewable portfolio diversification.
Serentica Renewables	Formed agreement for 1.5 GWp portfolio in Rajasthan (solar + wind pipeline).	Enhances integrated renewable capacity with regulatory clarity.
ONGC	Aims to acquire 2.5–3 GW RE projects by 2030.	Diversifies from hydrocarbons to renewables; energy transition positioning.
ACME Solar Holdings	Acquired AK Renewable Infra (0.3 GW, INR 0.79 Bn).	Expands pipeline, accelerates Rajasthan solar execution.
Inox Wind Ltd (IWL)	Sold INR 1.75 Bn stake in EPC arm to investors (valuation INR 74 Bn).	Improves liquidity; funds new projects and strengthens balance sheet.
Inox Neo Energies Ltd	Acquired 0.64 GW hybrid portfolio from Evergreen Group.	Expands hybrid capacity; supports upcoming INR 60 Bn IPO.

M&A Implications for the Renewable Industry

Company	Strategic Impact
Sector Consolidation	Investors now prefer acquiring operational or near-ready renewable assets over greenfield projects, bringing institutional discipline and stronger credit profiles.
Foreign & Infra Fund Entry	Deals like Zelestra's divestment and Neo Group's entry highlight sustained global investor confidence driven by transparent policies and long-term offtake security.
Hybrid & Storage Expansion	Rising adoption of hybrid (wind–solar) and battery-backed assets reflects the shift toward firm, grid-stable renewable power
Valuation Discipline	Market focus has moved to operational excellence, predictable yield, and ESG compliance prompting developers to enhance governance and risk frameworks, including insurance.

Edme's Insurance Solutions Across the M&A Journey

Pre-Transaction: Risk Discovery & Readiness

- Conduct Insurance Due Diligence to assess existing programs, coverage gaps, and past claims.
- Perform risk analytics including benchmarking, cyber, and NAT-CAT assessments.
- Review policies, contracts, and warranties for compliance and exposure insights.

Transaction Stage: Risk Transfer & Execution

- Structure and place W&I, Tax, and Contingent Risk Insurance to safeguard deal value.
- Engage with insurers for optimal capacity and pricing.
- Negotiate clean, lender-friendly policy terms and exclusions.

Post-Transaction: Integration & Claims

- Optimize insurance portfolios post-acquisition to control group-level costs.
- Provide claims advisory and recovery support to ensure timely settlements.
- Offer ongoing renewal and compliance advisory during integration

Conclusion

With lenders' credit exposure running into many hundreds of crores (or thousands in the case of large portfolios), the role of a robust Lender's Insurance Advisory is no longer optional it is a core risk management discipline. Edme, by virtue of our infrastructure and renewables-experience, is well placed to serve this need for its lending partners and other institutional financiers.

ABOUT RENEWABLE TEAM

Edme's Renewable Energy Speciality team is dedicated to supporting the evolving needs of clients operating in clean energy sector. With deep expertise in Solar, Wind, Hydro, Biomass and emerging technologies, our team provides tailored risk management solutions that align with the unique challenges of Renewable Energy Projects. Whether advising on complex risk transfer strategies, navigating regulatory environments, or securing bespoke coverage, the goal is to protect your asset and support a sustainable future!

Team Members

Jigar Parikh
Director - Industry Specialist /Government Business

Paramesh Balasubramanian
Senior Manager

Himani Jani
Assistant Vice President

Evaluate your green IQ — it is quick, smart, and future-ready!

1. **After the September 2025 GST Council meeting, what is the new GST rate on renewable energy devices?**
Options: A) 12% B) 5% C) 8% D) 10%

2. **Which global investor is exiting its India renewable business (3 GW portfolio) for USD 400–500 Mn ?**
Options: A) Brookfield B) Zelestra (EQT) C) BlackRock D) Adani Green

3. **India aims to achieve how much non-fossil fuel capacity by 2030?**
Options: A) 250 GW B) 300 GW C) 500 GW D) 700 GW

4. **Which fund recently acquired Solar Arise India Projects (0.43 GW) for INR 14 Bn ?**
Options: A) NIIOF (Neo Infra) B) Tata Capital C) Brookfield Renewables D) Renew Power

5. **Which type of policy helps protect buyers and sellers from unknown legal breaches during renewable M&A deals?**
Options: A) Public Liability B) Machinery Breakdown C) Transactional Liability (R&W) D) Cyber

Quiz Answers
1. B) 5% 2. B) Zelestra (EQT) 3. C) 500 GW 4. A) NIIOF (Neo Infra) 5. C) Transactional Liability (R&W)

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