

2
EDITION



**THERMAL ENERGY
DECARBONIZATION**
TED INDIA - 2026

10-11 August 2026
Scope Convention Centre - New Delhi

Exclusive Peer-to-Peer Two Days Conference
Thermal Energy Decarbonization - 2026

**Modernising Thermal Power
in India's Net-Zero Journey**

10-11 August 2026
Scope Convention Centre - New Delhi


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Modernising Thermal Power in India's Net-Zero Journey

10-11 August 2026
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TED India - 2026 is India's premier platform focused on modernising thermal power generation through innovation, flexibility, digitalisation, fuel transition, and low-carbon technologies aligned with the nation's net-zero ambitions.

Modernising Thermal Power in India's Net-Zero Journey| Exclusive Peer-to-Peer Two Days Conference TED India 2026| 10-11 August 2026, Scope Convention Centre - New Delhi|

100+
CONFERENCE
ATTENDEES

40+
EXPERT
SPEAKERS

10+
TECHNICAL
SESSIONS

2+
NETWORKING
LUNCHES

+
EXCLUSIVE
LEARNINGS

+
OPEN HOUSE
DISCUSSIONS

BACKGROUND

As India advances toward its net-zero emissions target by 2070, the decarbonisation of the thermal power sector has emerged as one of the nation's most critical energy transition challenges. Despite rapid growth in renewable energy, thermal power — led predominantly by coal-based generation — continues to remain the backbone of India's electricity system, ensuring grid stability, industrial growth, and round-the-clock energy security. India's power sector is undergoing a historic transformation. As of 2026, the country's total installed power generation capacity has crossed 520 GW, with non-fossil fuel sources accounting for over 52% of installed capacity — achieving India's 2030 climate commitment five years ahead of schedule. India has also surpassed 283 GW of non-fossil installed capacity, including solar, wind, hydro, and nuclear energy, while renewable energy additions reached record highs during 2025–26.

At the same time, electricity demand in India continues to surge, driven by industrialisation, urbanisation, digital infrastructure growth, electric mobility, manufacturing expansion, and rising cooling requirements. India's peak power demand touched a record 256 GW in 2026 and is projected to increase further in the coming years, reinforcing the continuing strategic importance of thermal power generation within the country's evolving energy mix. While renewable energy capacity has expanded rapidly, coal-fired thermal power continues to contribute the majority share of India's electricity generation, highlighting the complexity of balancing decarbonisation with energy affordability, reliability, and economic growth. The sector therefore faces a dual challenge, firstly ensuring reliable baseload and flexible generation capacity and then significantly reducing emissions intensity and environmental impact.

The future of India's thermal sector will increasingly depend on its ability to modernise existing infrastructure through flexible and efficient plant operations, digitalisation and AI-driven optimisation, biomass and alternative fuel co-firing, carbon capture and utilisation technologies, emissions control systems, water-use optimisation, energy efficiency upgrades, fuel diversification strategies and integration with renewable energy and storage systems. India's energy transition is no longer solely about adding renewable capacity — it is equally about transforming existing thermal infrastructure into cleaner, smarter, and more flexible assets capable of supporting a low-carbon grid of the future.

Against this backdrop, the 2nd Annual Thermal Energy Decarbonisation (TED) India 2026 Conference & Awards themed "Modernising Thermal Power in India's Net-Zero Journey" will serve as a premier national platform bringing together policymakers, utilities, regulators, power producers, technology providers, researchers, financial institutions, and industry leaders to explore practical pathways for accelerating the decarbonisation and modernisation of India's thermal power ecosystem. The conference will focus on actionable solutions, operational strategies, emerging technologies, policy frameworks, and investment opportunities that can enable the thermal power sector to transition toward a more sustainable, resilient, efficient, and future-ready energy landscape.

TED India 2026 aims to become India's leading utility-led platform dedicated to advancing thermal power transition through innovation, collaboration, and commercially viable decarbonisation strategies aligned with the nation's long-term climate and energy security objectives.



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Current Landscape: Thermal Power in India

Installed Capacity

As of March 2026, India's total installed power generation capacity has crossed 530 GW, with thermal power (coal, lignite, gas and diesel) continuing to account for nearly 47–48% of the country's installed capacity at approximately 249 GW. At the same time, non-fossil fuel sources have surpassed the 50% milestone in installed capacity, reflecting India's accelerating clean energy transition.

Energy Generation

India generated over 1,824 BU (billion units) of electricity during FY 2024–25, driven by rapid industrialisation, urbanisation, digital infrastructure expansion, and rising cooling demand. Despite record renewable energy additions, thermal power continues to contribute nearly 70% of India's electricity generation, underlining its ongoing importance for baseload supply and grid stability. India's peak power demand is also expected to cross 270 GW in 2026, reinforcing the strategic role of thermal generation in ensuring reliable power supply.

Coal Dependency & Decarbonisation Challenge

Coal remains the dominant fuel in India's power mix, contributing the majority share of thermal electricity generation due to affordability, domestic availability, and energy security considerations. However, this dependence also makes India's power sector significantly carbon-intensive compared to global averages. The sector therefore have to support India's fast-growing energy demand while reducing emissions through cleaner, more efficient and flexible thermal operations.

India has emerged as one of the world's fastest-growing clean energy markets, adding a record 52.5 GW of new power capacity during FY 2025–26, of which nearly 75% came from renewable energy sources. Solar alone contributed almost 35 GW of new additions, while India's total non-fossil fuel capacity has now exceeded 280 GW. The country is targeting 500 GW of non-fossil fuel capacity by 2030, supported by large-scale investments in renewable energy, grid modernisation, energy storage, green hydrogen, and transmission infrastructure



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Government Policies and Incentives: Steering the Transition

India's policy landscape for decarbonizing thermal power generation is increasingly aligned with its long-term climate goals, particularly the 2070 net-zero target. Some of the key policy initiatives include:

National Electricity Plan (NEP) 2023–2027 capacity

The NEP provides a clear roadmap for electricity generation capacity addition and highlights a moratorium on new coal-based capacity, except those under construction. It projects that by 2030, non-fossil energy sources will account for nearly 50% of total generation capacity.

Biomass Co-firing Policy

The Ministry of Power has mandated thermal power plants to co-fire biomass pellets up to 5–10% of their fuel mix. A web-based portal (SAMARTH) tracks implementation and procurement, and financial incentives have been proposed for faster adoption. This initiative Reduces reliance on coal, mitigates stubble burning in northern India & Creates rural employment and a circular economy around agricultural waste.

Perform, Achieve and Trade (PAT) Scheme

Under the National Mission on Enhanced Energy Efficiency, the PAT scheme incentivizes thermal power plants to improve their specific energy consumption. Plants that exceed targets earn tradable Energy Saving Certificates (ESCerts), creating a market-based mechanism for energy efficiency.

Flue Gas Desulfurization (FGD) Mandate

The government requires all coal-based thermal plants to install FGDs to curb SO₂ emissions. While adoption has been delayed due to capital cost concerns, recent push for indigenous technologies and phased implementation deadlines has reignited progress.

Renewable Energy Integration Guidelines

Thermal plants are now required to maintain flexibility in operations to support growing renewable penetration. Guidelines have been issued for flexibilizing thermal generation, especially during solar and wind peak hours.

Incentives for Energy Storage & Carbon Markets

India's new carbon trading framework (proposed under the Energy Conservation Act Amendment, 2022) lays the foundation for a carbon credit market. Thermal plants with efficient operations and emissions control could benefit through carbon finance and trading incentives.



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Technological Interventions and Industry Initiatives

Decarbonizing thermal power involves retrofitting existing assets, adopting emerging technologies, and modernizing operational practices. Key interventions include:

Biomass Co-firing and Alternative Fuels

Blending crop residue-based biomass with coal in existing boilers can cut carbon intensity by up to 10% without major retrofits. Some plants have also explored torrefied biomass, refuse-derived fuel (RDF), and carbon-neutral syngas as supplementary fuels.

Flexible Operation of Coal Plants

Adapting thermal units to operate at partial loads helps integrate variable renewable energy into the grid. This includes digital monitoring systems, automation, and better turbine control to improve efficiency and reduce emissions during low-demand periods.

Carbon Capture, Utilization and Storage (CCUS)

Pilot projects for post-combustion carbon capture are underway at select thermal units, with CO₂ being reused for industrial applications or geological storage. Future-ready plants are being designed with CCUS retrofitting capability as a baseline.

Advanced Combustion Technologies

The shift from subcritical to supercritical and ultra-supercritical boiler technologies improves thermal efficiency (from ~33% to 42%), significantly reducing coal consumption and CO₂ emissions per unit of electricity.

Digitalization and Predictive Maintenance

Use of AI/ML-enabled predictive analytics, condition monitoring systems, and automated combustion control allows for reduced auxiliary consumption, improved heat rate, and early detection of emission spikes.



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Benefits of Attending TED INDIA - 2026

- Unparalleled Value for Stakeholders Seeking to Lead India's Thermal Energy Transition

Gain Strategic Insights on India's Thermal Transition

Understand how India's thermal power sector is evolving in response to:

- Net-Zero 2070 commitments
- Renewable energy integration
- Emission compliance requirements
- Energy security priorities
- Grid flexibility demands
- Emerging carbon market mechanisms

Learn from Leading Utilities & Power Producers

Hear directly from:

- Central & State GENCOs
- Independent Power Producers (IPPs)
- Plant operators
- Utility leaders
- Policymakers and regulators

through real-world case studies, modernization initiatives, operational learnings, and decarbonisation strategies.

Explore Advanced Technologies & Low-Carbon Solutions

Discover the latest innovations in:

- Flexible thermal operations
- Biomass co-firing
- Digitalisation & AI
- Predictive maintenance
- Emission control technologies
- Carbon capture solutions
- Efficiency upgrades
- Water management
- Smart monitoring systems
- Fuel diversification strategies

Understand the Evolving Policy & Regulatory Framework

Gain clarity on:

- Emission norms & compliance
- Biomass co-firing mandates
- PAT scheme & efficiency frameworks
- Carbon Credit Trading Scheme (CCTS)
- Environmental regulations
- Grid flexibility requirements
- Transition finance opportunities
- Future policy roadmap for thermal power

Connect with Key Decision-Makers Across the Power Ecosystem

Network with:

Policymakers	Consultants
Utility executives	Researchers
Power plant heads	Investors
Technology providers	Sustainability leaders
EPC companies	Industry associations

TED India provides a focused platform for high-value industry engagement and strategic collaborations.

Future Outlook

Understand investment trends, financing options, and innovation pipelines critical to achieving India's energy and environmental goals.



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TED INDIA 2026

India's journey towards decarbonizing its thermal power sector is complex but achievable. By leveraging technological advancements, enforcing robust policies, and fostering industry collaboration, India can transition to a cleaner, more sustainable energy landscape, aligning with its commitment to net-zero emissions by 2070.

TED INDIA 2026 will catalyse these efforts by fostering cross-sector dialogue and aligning shared visions for a low-carbon future.

Join us at **TED INDIA 2026** to shape India's path to a cleaner, sustainable thermal power sector — powering growth with responsibility and discuss the Way Forward Strategies for Decarbonization

Accelerated Renewable Integration: Enhancing grid infrastructure to accommodate the increasing share of renewables is crucial. Investments in energy storage and smart grid technologies will ensure reliability and efficiency.

Research and Development: Investing in R&D for advanced technologies like CCS, hydrogen-based fuels, and high-efficiency power generation methods will pave the way for a sustainable energy future.

Phasing Out Inefficient Plants: Decommissioning older, inefficient coal plants and replacing them with cleaner alternatives like SMRs or renewable energy projects will reduce emissions and improve efficiency.

Policy Enforcement and Compliance: Ensuring strict adherence to environmental regulations and timely implementation of mandated technologies like FGD systems is essential for achieving emission reduction targets.

Financial Mechanisms: Implementing carbon pricing and providing financial incentives for clean energy projects can drive investment and innovation in the sector.

Your Opinions are HEARD...

- the AUDIENCE -

TED INDIA - 2025 is expected to draw participation from executives, managers and decision-makers from:

- > Government & Policy Makers
- > Central Govt. Agencies
- > State Govt. Agencies
- > Central Regulatory Boards
- > State Regulatory Boards
- > Public Sector Utilities
- > State Sector Utilities
- > Thermal Power Plants
- > Captive Power Plants
- > Energy Technology & R&D Institutions
- > Industry Experts & EPC Companies
- > Investors & Financial Institutions
- > Environmental & Climate Advocates
- > Biomass & Alternate Fuel Supply Chains
- > Technology & Solution Providers



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Our aim is to deliver you an event that exceeds your expectations, thus becoming an integrated part of your annual marketing program.

Sponsoring **TED INDIA - 2026** will make your company stand out as a leader in this burgeoning industry and will leave a strong impression of your brand in key decision makers minds. Sponsors have an incredible amount of presence and it will not only give your company optimum exposure but also the opportunity for delegates to meet you and your executives to find out more about your role and business opportunities in the sector.

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Sponsorship Enquiries

Shehzad Khwaja
Sr Manager Sponsorship
sponsorship@missionenergy.org
+91 9769310944



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Draft AGENDA

Monday, 10 August 2026

08.30 - 09:20 | Registration & Welcome Tea

*Invited & Confirmation Awaited

09:20 - 09:30 | Organiser Welcome Address

09:30 - 11:00 | Modernising Thermal Power for India's Energy Security & Net-Zero Ambitions

Session Focus:

As India accelerates its clean energy transition while witnessing record growth in electricity demand, thermal power continues to remain critical for grid stability, industrial growth, and energy security. This inaugural session will explore the evolving role of thermal power in India's net-zero journey and discuss how modernization, flexibility, efficiency improvement, and cleaner technologies are shaping the future of the sector.

Key Discussion Points:

- India's thermal power outlook in a renewable-heavy grid
- Balancing decarbonisation with energy security
- Policy direction for thermal modernization
- Future role of coal-based generation
- Investment priorities for thermal transition
- Utility perspectives on modernization and sustainability

11:00 - 11:30 | Networking Tea Break

11:30 - 13:00 | Policy, Regulation & Market Reforms Driving Thermal Decarbonisation

Session Focus:

India's thermal sector is undergoing a major regulatory and operational transformation driven by emission norms, flexibility requirements, efficiency mandates, biomass co-firing obligations, and emerging carbon market mechanisms. This session will examine the evolving policy framework shaping the future competitiveness and sustainability of thermal power generation in India

Key Discussion Points:

- MoEFCC emission norms & compliance roadmap
- PAT scheme & efficiency benchmarking
- Biomass co-firing mandates & implementation challenges
- Carbon Credit Trading Scheme (CCTS)
- Flexible thermal operation frameworks
- Environmental compliance investments
- Transition finance & ESG expectations
- Policy outlook for thermal modernization

13:00 - 14:00 | Networking Lunch Break

14:00 - 16:00 | Modernising Thermal Power Plants Through Flexibility, Digitalisation & Low-Carbon Technologies

Session Focus:

Thermal power plants are increasingly adopting advanced technologies and modernization strategies to improve operational efficiency, reduce emissions intensity, and support renewable energy integration. This session will focus on practical solutions and real-world utility experiences in transforming thermal assets into smarter, cleaner, and more flexible power generation systems.

Key Discussion Points:

- Flexible thermal operations & grid balancing
- AI-driven plant optimisation
- Digital twins & predictive maintenance
- Heat-rate improvement & efficiency upgrades
- Biomass co-firing & alternative fuels
- Water-use optimisation
- Emission reduction technologies
- Smart thermal plant modernization case studies

16:00 - 16:30 | Networking Tea Break

16:30 - 18:00 | Panel Discussion: The Future of Thermal Power in India's Evolving Energy Landscape

Panel Focus:

As India rapidly expands renewable energy capacity, thermal power generation is entering a new era defined by flexibility, modernization, decarbonisation, and changing market dynamics. This leadership panel will bring together policymakers, utilities, technology providers, and industry experts to discuss how thermal power can remain reliable, competitive, and sustainable in the decades ahead.

Key Discussion Themes:

- Is India entering a new phase of thermal transition?
- What will thermal power look like by 2030?
- Baseload vs flexible generation
- Transition economics & investment outlook
- Technology priorities for the next decade
- Future role of coal in India's energy mix
- Can thermal power become cleaner and future-ready?

18:00 | End of Day One



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Tuesday, 11 August 2026

08.30 - 09:30 | Registration & Welcome Tea

*Invited & Confirmation Awaited

09:30 - 11:00 | Accelerating Decarbonisation Through Biomass, Alternative Fuels & Emerging Energy Solutions

Session Focus:

Fuel diversification is emerging as a critical pillar of thermal power decarbonisation in India. This session will explore the growing role of biomass co-firing, torrefied biomass, green hydrogen, ammonia blending, and waste-derived fuels in reducing carbon intensity and supporting cleaner thermal operations.

Key Discussion Points:

- Biomass co-firing implementation experiences
- Supply chain & fuel availability challenges
- Economics of alternative fuels
- Hydrogen & ammonia co-firing opportunities
- Waste-to-energy integration
- Carbon reduction potential
- Future fuel transition roadmap

11:00 – 11:30 | Networking Tea Break

11:30 – 13:00 | Policy, Regulation & Market Reforms Driving Thermal Decarbonisation

Session Focus:

As environmental regulations tighten and sustainability expectations grow, thermal utilities are increasingly focusing on emissions management, environmental compliance, and ESG-led operational transformation. This session will examine the technologies, strategies, and market mechanisms shaping the next phase of thermal power decarbonisation.

Key Discussion Points:

- FGD implementation & operational learnings
- NOx & particulate emission reduction technologies
- Carbon capture utilisation & storage (CCUS)
- Fly ash utilisation & circular economy opportunities
- Carbon markets & monetisation opportunities
- ESG disclosure & sustainability reporting
- Environmental compliance strategies
- Financing cleaner thermal infrastructure

13:00 – 14:00 | Networking Lunch Break

14:00 – 16:00 | Building a Reliable, Flexible & Low-Carbon Thermal Power Ecosystem for India

Session Focus:

India's thermal power sector is evolving beyond conventional generation toward a more integrated, flexible, and transition-ready ecosystem capable of supporting future energy demand and renewable integration. This concluding session will focus on the long-term roadmap for thermal modernization, grid resilience, investment priorities, and collaborative industry action.

Key Discussion Points:

- Future thermal capacity outlook
- Renewable integration & grid flexibility
- Energy storage & ancillary services
- Modernization investment priorities
- Utility transformation strategies
- Public-private collaboration opportunities
- Domestic manufacturing & Make in India
- The roadmap toward a low-carbon thermal future: plant modernization case studies

16:00 – 16:30 | Networking Tea Break

16:30 – 17:30 | Thermal Transition Awards Awards - 2026: The Ceremony

The Thermal Transition Awards 2026 will recognise and celebrate pioneering organisations, utilities, technology providers, projects, and industry leaders driving the transformation of India's thermal power sector through innovation, modernization, sustainability, operational excellence, and low-carbon transition initiatives.

17:30 | Vote of Thanks and End of Conference



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- THERMAL TRANSITION AWARDS -



The **Thermal Transition Awards** are a prestigious initiative of the **Thermal Energy Decarbonisation (TED) India 2026** conference, created to honour and celebrate the outstanding efforts of thermal power plants across India that are leading the way in lowering carbon emissions, improving efficiency, and embracing sustainable operations. These awards aim to acknowledge organisations and individuals that have gone beyond compliance, demonstrating vision, innovation, and measurable results in transforming thermal power generation into a cleaner, more climate-resilient sector.

As India moves decisively towards its Net-Zero by 2070 commitment, the decarbonization of the thermal power sector stands as a critical challenge and opportunity. Coal and lignite-based power plants continue to contribute over half of the nation's electricity, making emission reduction strategies essential for the country's sustainable growth. The Thermal Transition Awards recognise those pioneers who have implemented tangible solutions—ranging from biomass co-firing, carbon capture, and renewable integration to digital optimisation, water efficiency, and fuel diversification—to significantly lower their greenhouse gas footprint.

These awards are built on the belief that acknowledging success stories will inspire the entire sector to adopt cleaner technologies and operational excellence. Winning plants will serve as benchmarks for industry peers, setting higher standards for performance and innovation in the journey toward a low-carbon future.

Award Objectives

The Thermal Transition Awards aim to create a credible industry benchmark platform recognising organisations that are actively shaping the future of reliable, efficient, flexible, and lower-carbon thermal power generation in India.



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Why Nominate & Showcase Your Sustainability Efforts at Thermal Transition Awards 2026?

Champion India's Net-Zero Journey

By nominating your plant, you actively contribute to the national conversation on decarbonisation, showing how thermal power can be a part of the solution in achieving India's climate commitments.

Inspire the Industry Through

Your Story Every successful sustainability initiative—big or small—has the power to influence others. Sharing your journey can motivate peers, drive innovation, and encourage replication of effective practices.

Document and Validate Your Achievements

The nomination process itself helps compile and showcase your decarbonisation milestones in a structured way—providing valuable internal documentation for future audits, CSR reports, and stakeholder presentations.

Contribute to a Knowledge-Sharing Platform

TED India 2026 will bring together diverse expertise. Your participation enriches the pool of case studies, ensuring more practical examples and learnings are available to the sector.

Highlight Long-Term Commitment, Not Just Compliance

Nominations signal that your organisation isn't just meeting mandatory environmental regulations—it's proactively setting higher standards for sustainable power generation.

Be Recognised as a Decarbonisation Leader

An award is more than a trophy—it's a seal of credibility, affirming your role as a trailblazer in steering India's thermal power sector towards a low-carbon future.

Applications should include:

- Quantitative emissions reduction data (e.g., CO₂/kWh trends).
- Implementation details of decarbonization technologies or processes.
- Impact evidence—before-and-after performance, efficiency gains.
- Innovation or uniqueness of approach (e.g., co-firing %, digital tool used).
- Scalability and replicability—how approaches can be adopted elsewhere.
- Sustainability metrics—energy consumed, water usage, pollution reduction.

Preliminary Evaluation Criteria

- Desk Review: Check basic eligibility and documentation completeness.
- Technical Panel Evaluation: Subject-matter experts assess content against criteria.
- Site Visits or Virtual Audits (optional): Validate on-ground implementation.
- Final Jury: Distinguished panel deliberates and selects winners.

Evaluation Process

Nominations Now Open – Thermal Transition Awards 2026

The Mission Energy Foundation proudly announces that nominations are now open for the **Thermal Transition Awards 2026**, a premier recognition platform honouring thermal power plants that have demonstrated exemplary leadership in decarbonisation.

As part of the Thermal Energy Decarbonisation (TED) India 2026 conference, these awards celebrate innovation, efficiency, and sustainability across the thermal power sector. We invite public and private sector plants, captive power producers, and small-scale units to showcase their achievements in reducing emissions, enhancing efficiency, integrating renewables, adopting advanced low-carbon technologies, and setting new benchmarks for environmental performance.

Winning or being shortlisted for a Thermal Transition Award brings unparalleled prestige, national recognition, and industry visibility. It's an opportunity to benchmark against peers, inspire the sector, and share success stories with policymakers, technology providers, and investors.

If your plant or project has made a measurable impact towards India's net-zero future, now is the time to step forward. Submit your nomination, tell your story, and be part of the movement driving sustainable energy transformation.



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- Benefits of Participation-

National Recognition & Prestige

Gain industry-wide acknowledgment as a leader in decarbonisation within India's thermal power sector. Winning or even being shortlisted positions your organisation as a benchmark for sustainability and innovation.

Enhanced Brand Reputation

Strengthen your corporate image with stakeholders, policymakers, investors, and the public by showcasing your commitment to climate action and responsible energy generation.

Exclusive Networking Opportunities

Engage directly with government officials, regulators, technology innovators, financial institutions, and fellow industry leaders during TED India 2026, opening doors for collaborations and partnerships.

Media Exposure & Visibility

Benefit from pre-event promotions, conference coverage, and post-event press releases, amplifying your achievements through Mission Energy Foundation's outreach channels and media partners.

Knowledge Sharing & Benchmarking

Present your success stories and operational insights, allowing peer plants to learn from your initiatives while also comparing your performance with other top-performing facilities in the sector.

Motivation & Team Morale

Recognition at a national platform boosts the morale of your workforce, validating the hard work of teams involved in implementing sustainable practices and inspiring them to aim for greater milestones.

Why nominate for Thermal Transition Awards 2025

OBJECTIVE

Encourage & motivate to adopt best practices and become role models for others to emulate. Encourage implementation of strategies for improvement in operations standards.

ADVANTAGES

Reflects your commitment to environment protection & enhances your corporate status and image. Boosts morale of concerned employees and stakeholders, motivating management and staff of the organisation to excel.

ELIGIBILITY

Open to all thermal power plants (public, private, captive, and small plants) operating in India. Nominations may be submitted by the plant owner/operator, technology provider, or consultant (with consent). Initiatives must be operational and demonstrate measurable results in decarbonisation.

For Whome

The nomination for awards are open for seeking national recognition of climate leadership, technological innovation, and environmental accountability in one of the country's most vital sectors.



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- AWARD NOMINATION PROCESS -

Select Category

- > Decide which category of the **Thermal Transition Awards 2026** you / your company wish to nominate
- > Each category selected shall be considered per company / location / unit / per individual

Apply Online

- > Apply Online and make the payment.
- > Submit the completed application along with relevant information and we may contact for softcopy of the documents, if required.
- > If interested in applying for more than one unit / projects from the same company or more than one location, separate request for applications and fees should be submitted for each nomination.

Documentations

- > E-mail justification writeup precisely should contain specific & strong information for preliminary evaluation along with supporting documents should be sent **10 days from the application**
- > PowerPoint presentation with original documents by all short-listed nominee companies / units shall be asked, if required
- > **Ask our team to share a copy of TEMPLATE FILE for your PowerPoint presentation**

- AWARD NOMINATION PROCESS -

Evaluations

- > Evaluation of nominations for **Thermal Transition Awards 2026** is an intensive process. Nominations are evaluated by experts from Government, Academia and Industry Professional as our discreet on board Jury

Announcement of Winners

- > Relax and wait for the winner's announcement day i.e., 11 August 2026. The Awardee (Sr. Director / CEO / Senior Executive) must be available to attend the award function and to receive the **Thermal Transition Awards 2026**

Nomination Fee

- > INR 42500 Per Nomination Per Selected Category
- > Eligible to nominate **TWO PARTICIPANTS** per selected category
- > Category Discount
5% for 2+ categories
10% for 5+ categories



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Modernising Thermal Power in India's Net-Zero Journey

10-11 August 2026
Scope Convention Centre - New Delhi

Submit Nomination

Apply Online and make the payment.

Submit completed **TEMPLATE FILE for your PowerPoint presentation** and we may contact for softcopy of the documents

If interested in applying for more than one unit / projects from the same company or more than one location, separate request for applications and fees should be submitted for each nomination.

Selection Procedure

Evaluation of nominations for **Thermal Transition Awards 2026** is an intensive process. Nominations are evaluated by experts from Government, Academia and Industry.

Preliminary evaluation of shortlisted nominations. Powerpoint presentation with original documents by all short-listed nominee companies / units shall be asked, if required.

Award Presentation

Relax and wait for the winner's **announcement day i.e, 11 August 2026**. If your nominated company / units have demonstrated the highest level of commitment and best practice towards the **Thermal Transition Awards 2026**, you shall be recognised and honored.

Winners of **Thermal Transition Awards 2026** shall be honored on **11 August 2026**.

Jury Scoring Matrix

Carbon Emission Reduction (% GHG reduction achieved) - 30%



Energy Efficiency Measures (Initiatives taken to improve efficiency) - 20%



Renewable Energy Integration (% RE in total energy mix) - 15%



Technology Innovation (Novel approaches adopted) - 15%



Policy Compliance (Adherence to environmental standards) - 10%



Socio-economic Impact (Employment, community benefits) - 10%



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- AWARD CATEGORIES -

Plant Performance & Efficiency

1. Best Overall Decarbonisation Initiative – Large (>500 MW)
2. Best Overall Decarbonisation Initiative – Medium (100–500 MW)
3. Best Overall Decarbonisation Initiative – Small (<100 MW)
4. Best Captive Power Plant Decarbonisation
5. Most Improved Plant Efficiency
6. Lowest Specific CO₂ Emissions (per Mwh)
7. Best Waste Heat Recovery Implementation
8. Best Coal Quality Management for Emissions Reduction

Fuel Diversification & Biomass

9. Excellence in Biomass Co-firing (>10% blend)
10. Excellence in Biomass Co-firing (5–10% blend)
11. First-time Biomass Co-firing Implementation
12. Innovative Biomass Supply Chain Development

Renewable Integration

13. Best Hybrid Renewable-Thermal Integration
14. Best Solar PV Integration in Thermal Plant
15. Best Wind Integration in Thermal Plant

Technology Innovation

16. Best Carbon Capture, Utilisation & Storage (CCUS) Initiative
17. Best Flue Gas Desulphurisation (FGD) Performance
18. Best Low-NO_x Burner Implementation
19. Excellence in AI/ML-based Plant Optimisation
20. Best Ash Management & Utilisation Initiative

Water & Resource Management

21. Best Water Efficiency in Thermal Plant
22. Best Zero Liquid Discharge (ZLD) Implementation
23. Best Use of Treated Sewage Water in Plant Operations

Operations & Maintenance Excellence

24. Best Preventive Maintenance for Emission Reduction
25. Excellence in Digital Twin Implementation for Decarbonisation
26. Best Training & Capacity Building for Low-carbon Operations

Community & CSR

27. Best CSR Initiative Linked to Decarbonisation
28. Best Stakeholder Engagement for Clean Energy Transition

Captive & Small Plant Recognition

29. Best Captive Biomass Co-firing Project
30. Best Captive Carbon Capture Implementation
31. Best Captive Plant Efficiency Improvement
32. Best Small Plant (<50 MW) Renewable Integration
33. Best Small Plant (<50 MW) Water Management

Innovation & Special Recognition

34. Most Innovative Low-Carbon Technology Adoption
35. Best Public Sector Plant Decarbonisation
36. Best Private Sector Plant Decarbonisation
37. Young Engineer of the Year – Decarbonisation Champion
38. Lifetime Achievement in Thermal Energy Sustainability
39. Best Green Supply Chain for Thermal Power Sector
40. Special Jury Award for Breakthrough Decarbonisation Initiative

Service & Technology Providers

41. Innovation in Decarbonisation Technology (Breakthrough solutions in reducing carbon emissions from thermal plants)
42. Excellence in Biomass & Alternate Fuel Solutions (Pellets, aggregation, supply chain, or logistics that enable co-firing)
43. Best Carbon Capture & Utilisation (CCUS) Solution Provider (Technologies or pilots demonstrating measurable impact)
44. Outstanding Flue Gas Desulphurisation / Emission Control Technology (FGD, Low-NO_x burners, APC systems, etc.)
45. Excellence in Water & Waste Resource Management (ZLD, wastewater reuse, ash utilisation, circular economy)
46. Digital Transformation Leader (AI, ML, IoT, digital twins, or data analytics for decarbonisation)
47. Best Operations & Maintenance Service Provider (Efficiency-driven retrofits, predictive maintenance, plant optimisation)
48. Sustainability Advisory / Consulting Excellence (Policy, ESG, or strategic consulting enabling decarbonisation pathways)
49. Start-up of the Year – Clean Thermal Technology (Emerging players with innovative solutions in the thermal transition space)
50. Lifetime Achievement – Service to Decarbonisation (Individual or organisation with long-term contribution to sustainability in thermal sector)

- IMPORTANT DATES TO REMEMBER -

**Nomination
Open**

15 June 2026

**Nomination
Close**

31 July 2026

**Winners
Announced**

05 August 2026

**Winner
Awarded**

11 August 2026



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- REGISTRATION PROCESS -

<u>Online Registration</u>	<u>Receive Invoice</u>	<u>Make Payment</u>
To participate as Delegates / be a Speaker submit your online registration	We will email you an digitally signed invoice along with necessary required documents for processing the payment.	Make online payment via Bank Transfer / Credit Card / Cheque / DD to our postal address.

- PARTICIPATION FEE STRUCTURE -

 DELEGATE Registration	 AWARD Nomination	 SPEAKER Registration
<p>Indian Delegate: INR 19500 + 18% GST</p> <p>Overseas Delegate: USD 250</p> <p>Group Discount 5% for 3+ Participants 10% for 7+ Participants</p>	<p>Indian Company: INR 42500 + 18% GST</p> <p>Overseas Company: USD 1250</p> <p>Group Discount 5% for 2+ Categories 10% for 5+ Categories</p>	<p>Indian Speaker: INR 42500 + 18% GST</p> <p>Overseas Speaker: USD 350</p>

WHO TO CONTACT?

 <p>Sponsorship Support</p>	 <p>Registration Support</p>	 <p>Registration Support</p>	 <p>Invoice Support</p>
<p>Shehzad Khwaja Sr Manager Sponsorship sponsorship@missionenergy.org +91 9769310944</p>		<p>Rohit Khanna Asst. Manager Marketing rohit@missionenergy.org +91 7977448340</p>	
 <p>Speaker Support</p> <p>Ashwinkumar Khatri Director General dg@missionenergy.org +91 9833951556</p>		<p>Amit Thakur Manager Business Development outreach@missionenergy.org +91 9137715392</p> <p>Deepa Kanojia Head Creatives & Admin deepa@missionenergy.org +91 9992853953</p>	



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Organiser



The Organisation

Mission Energy Foundation is a persistent, private, not-for-profit endeavour based in Mumbai, India. We are registered under sec 25 (1), 80G & 12AA respectively.

The Beginning

A single man army with its mission to build platforms of discussion, exchange knowledge among industry professionals on core issues pertaining to growing energy sector.

GOAL

Mission Energy Foundation is a micro-enterprise initiative that strives to spread knowledge in the globalising energy sector. We educate and spread technology awareness through ongoing contacts and discussions with the public and industry concerning what the future of the growing energy sector should be...

Today

A human asset working together as one endeavour that expertise in organising and delivering successful international summits involving who's who from Entrepreneurs to Academicians to Government Authorities to Technology Providers to Consultants to Industry Professionals from the growing energy sector globally.

- VENUE -



**Scope Convention Centre
CGO Complex, Pragati Vihar
New Delhi - 110003**

Mission Energy Foundation (A not-for-profit Organisation)

003, B-16, Sector 1, Shanti Nagar, Mira Road, Thane, Maharashtra - 401107



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