

NATIONAL CONFERENCE

शाश्वत ऊर्जा

स्वच्छ ऊर्जा, हरित पर्यावरण, सुरक्षित भविष्य



2nd-3rd
July 2026

IIT
Gandhinagar

**Organized by Need Mission in
association with CBIP**



ABOUT NEED MISSION

Founded in 2012, the National Environment and Energy Development Mission (NEED Mission) is a non-profit organization and an initiative of Vijnana Bharati, dedicated to building an energy-secure, sustainable, and self-reliant India. With presence across 20 states and a national headquarters in Bhopal, we work at policy, technology, and grassroots levels to promote energy efficiency, renewable energy adoption, and environmental conservation. Our multidisciplinary team of experts drives innovative solutions, capacity building, and youth skill development while bridging gaps between technology, finance, and governance. Through awareness programs, research, and stakeholder engagement, we translate vision into action for a cleaner, greener future.



ABOUT CBIP

The Central Board of Irrigation & Power (CBIP), established in 1927 and headquartered in New Delhi, is India's premier professional body in the fields of irrigation, water resources, and power. With a national presence and a legacy of over nine decades, CBIP serves as a knowledge hub, promoting sustainable development, policy advocacy, and capacity building across the water and energy sectors.

CBIP brings together engineers, researchers, policymakers, and industry experts to facilitate technology transfer, research dissemination, and best practices through conferences, training programs, technical publications, and advisory services. As a leading facilitator of knowledge and innovation, CBIP supports government agencies, utilities, and stakeholders in advancing efficient, equitable, and climate-resilient infrastructure for India's growth.

ABOUT CONFERENCE

Join an inspiring two-day Energy Conference on “शाश्वत ऊर्जा” – Integrated Solutions Across the Power Sector, bringing together policy makers, utilities, researchers, industry leaders, and academicians on a single collaborative platform. The conference will showcase cutting-edge insights on renewable generation, green hydrogen, advanced transmission planning, smart distribution networks, EV integration, battery energy storage systems, and AI-based grid management. What makes this event truly attractive is its end-to-end integrated approach, connecting Generation, Transmission, and Distribution into one unified Net Zero ecosystem, along with dedicated sessions on safety, cybersecurity, and emerging technologies making it a must-attend forum for shaping India's clean energy future.

WHO SHOULD ATTEND

This conference is aimed at professionals of power sector utilities; generation, transmission and distribution companies; renewable energy developers; policy makers; research and academic institutions; technology providers; system integrators; regulators; consultants; startups; infrastructure planners; cybersecurity specialists; EV ecosystem stakeholders; energy storage solution providers; and postgraduate/doctoral students, as well as individuals engaged in grid planning, operations, safety, digitalization, and decarbonization initiatives, who are committed to advancing a resilient, intelligent, and Net-Zero power ecosystem.



✓ DEEP DIVE SESSIONS (2-DAY NATIONAL CONFERENCE)

- **Seven focused** panel discussions conducted over two days.
- Each panel includes **five distinguished** experts from policymaking bodies, research institutions, industries, utilities, and academia.
- In-depth discussions on **Net Zero implementation strategies**, policy frameworks, technological advancements, financing models, and regulatory support.
- Identification of **real-world challenges and practical solutions** to overcome implementation barriers.
- **Interactive platform** for knowledge exchange, collaboration, and actionable roadmaps for accelerating **India's energy transition**.



✓ RESEARCH PAPER SUBMISSION & AWARDS

- Call for research papers across **14 broad thematic** areas related to renewable energy, sustainability, and decarbonization.
- Strong emphasis on **practical case studies** and implemented projects for real-world impact.
- Authors may submit either **abstracts or full research papers directly**.
- Selected papers will be published in the prestigious **CBIP Scopus-indexed Journal**.
- Shortlisted authors will present their **work physically during the conference**.
- Best Research **Paper Awards (1st, 2nd, and 3rd)** will be presented during the conference ceremony.



✓ ROUND TABLE MEETING – INDUSTRY & INNOVATION FORUM

- 30+ Industry Leaders Participated
- Exclusive round table discussion featuring leading **green startups, renewable energy manufacturers, traders, and sustainability activists**.
- Focused dialogue on **fast-track implementation** of clean energy solutions in India.
Discussion on strengthening **indigenous manufacturing**, supply chain efficiency, and market expansion.
- **Collaboration opportunities** between industry leaders, innovators, and policymakers.
- Creation of **actionable recommendations** to accelerate India's sustainable energy transformation.

Interested participants are requested to email us - Email ID: needmissionvibha@gmail.com



DEEP DIVE SESSIONS

DAY 1 - NET ZERO - INTEGRATED POWER SYSTEM APPROACH

Time	Event
09:00 - 10:00 am	Registration & Breakfast
10:00 - 11:15 am	Inaugural Session in the Presence of Dignitaries
11:30 - 12:30 pm	Plenary Session 1: Net Zero from the Energy Generation Perspective Session
12:30 - 2.00 pm	Lunch Break
02:00 - 3.00 pm	Plenary Session 2: Transmission Network for Net Zero
03:15 - 4.15 pm	Plenary Session 3: Distribution Network as the Key Enabler
04:30 - 5.30 pm	Plenary Session 4: Sustainable Manufacturing and Supply Chain
05:30 - 5.45 pm	Case Studies Presentation
05:45 - 6:00 pm	Concluding Remarks

DAY 2 - ENABLERS, CHALLENGES, AND FUTURE SOLUTIONS

Time	Event
10:00 - 11:00 pm	Plenary Session 5: Safety in Renewable and Power Systems
11:30 - 12.30 pm	Plenary Session 6: Battery Energy Storage Systems (BESS), Waste Management and EV Vehicle
12:30 - 2.00 pm	Lunch Break
02:00 - 3.00 pm	Plenary Session 7: Integration Challenges, New Solutions in RE and Cyber Security
03:15 - 3.45 pm	Case Studies Presentation
03:45 - 4:15 pm	Valedictory & Way Forward



CALL FOR TECHNICAL PAPER



FREE ABSTRACT SUBMISSION | PAYMENT AFTER PAPER SELECTION

All professionals, academicians, researchers, and industry experts are cordially invited to contribute their original research outcomes, innovative concepts, practical field experiences, and case studies by submitting abstracts (minimum 500 words) to the Programme in given google form. If you have any queries

Email ID: needmissionvibha@gmail.com

Abstracts will undergo a review process, and accepted papers will be included in the official Conference Proceedings, subject to at least one author presenting the paper during the conference, as presentation is mandatory. Each author and co-author, including the presenting author, must complete individual registration by paying the applicable registration fee.

Additionally, a select number of high-quality papers presented at the conference will be shortlisted for publication in the prestigious “CBIP Journal.”

IMPORTANT CONFERENCE DATES

- ✓ Last Date for submission of abstracts: **31 March 2026**
- ✓ Confirmation of Acceptance of Abstracts: **15 April 2026**
- ✓ Last Date for submission of Full-Length Technical Paper: **15 May 2026**
- ✓ Confirmation of Acceptance of Paper: **30 May 2026**

Conference Date and Venue: 02-03 July 2026 at Gandhinagar, Gujarat

RESEARCH PAPER TOPICS

The conference will cover a broad spectrum of themes and emerging areas relevant to the power and energy sector, including but not limited to the following topics:

NET-ZERO POWER SYSTEM ARCHITECTURE

- Integrated G-T-D Planning
- Utility Decarbonization Roadmap

HIGH RENEWABLE GRID STABILITY

- Integrated G-T-D Planning
- Utility Decarbonization Roadmap

ENERGY STORAGE TECHNOLOGIES

- Storage Sizing and Siting
- Renewable Firming & Peak Support

SMART DISTRIBUTION NETWORKS

- Digital Substations & Automation
- Voltage Control & Hosting Capacity

ELECTRIC VEHICLES & COUPLING

- EV Grid Impact
- V2G / V1G Flexibility

AI-BASED GRID MANAGEMENT

- Load & Generation Forecasting
- Predictive Fault Analytics

GRID RESILIENCE & RELIABILITY

- Extreme Weather Resilience
- Self-Healing Restoration

SMART GRID CYBERSECURITY

- OT/IT Security Frameworks
- SCADA Device Protection

DEMAND RESPONSE & VPP

- Flexible Load Aggregation
- Market Participation Models

SAFETY IN POWER SYSTEMS

- Safe O&M Practices
- Workforce Skill Development

GENERATION

- Hydro Power, Nuclear
- Pump Storage, Hydrogen

FINANCING

- Infrastructure Financing
- Power Financing

GREEN PRODUCTION & INFRASTRUCTURE

- Resource-efficient production
- Sustainable & resilient infrastructure

WASTE TO WEALTH

- Waste to resources
- Lower carbon emissions



REGISTRATION FEES FOR RESEARCH PAPER



• **Student (B.Tech)**
Rs. 1500/- Per Participation + GST

• **Student (M.Tech + Ph.D)**
Rs. 3,000/- Per Participation + GST

• **Utility /Professor**
Rs. 5,000/- Per Participation + GST

A **20% discount** on the registration fee will be offered to members of **NEED Mission, CBIP, VIBHA and Vigyan Gurjari.**

*GST extra @ 18% on registration fees given above (Delegate/Author/Research Student).

The Registration Fee includes:

- Registration kit
- Working lunch
- Tea/Coffee during the conference

Participants are required to make their own arrangements for accommodation, travel, and other personal expenses.

- Please note that the registration fee is non-refundable.
- The program is non-residential.
- Suitable accommodation in nearby areas is being explored on payment basis and the same shall be notified separately.



EVENT SPONSORSHIP OPPORTUNITY

Benefits & Categories	Platinum (7,50,000)	Gold (5,00,000)	Silver (2,50,000)	Supporter (1,00,000)
Recognition as Sponsor in Conference materials	✓	✓	✓	✓
Logo display on Conference backdrop & banners	✓	✓	✓	✓
Opportunity to display standees at the venue	✓	✓	--	--
Complimentary registrations	25	15	8	3
Acknowledgment during inaugural and closing sessions	✓	✓	✓	✓
Opportunity to speak in a session or panel discussion	✓	✓	--	--
Exhibition Stall	✓	--	--	--
Invitation to key person of organisation as special invitee	✓	✓	--	--
Branding through promotional materials on delegate kit	✓	✓	--	--

PAYMENT DETAILS

Kindly arrange to remit the payment by bank demand draft/cheque payable at par in Bhopal, drawn in favour of "NEED Mission" or by bank transfer to the following account:

Name of Bank: Jana Small Finance Bank
A/C No: 4549020001368341
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In case of online transfer, the bank convenience fee will be charged directly by the bank and is not included in the registration fee.



GST No.:

Interested participants may submit the following mandatory details:

Name and Designation: _____

Organization Name and address with City and PIN Code _____

Organization's GST No. to be mentioned in the Tax Invoice _____

Mobile No. and Email Id. _____

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Dated _____ for Rs _____ to be enclosed



PAPER SUBMISSION GUIDELINES

Energy Conference on “शाश्वत ऊर्जा” – Integrated Solutions Across the Power Sector



1. SUBMISSION PLATFORM

- All papers must be submitted through EasyChair.
- Authors should create/login to their EasyChair account and select the conference track.

2. PAPER FORMAT

- Manuscripts must be prepared in IEEE format (A4 size, two-column).
- Length: 4–6 pages including figures, tables, and references.
- File type: PDF only.

3. CONTENT REQUIREMENTS

- Title, author details, and affiliations must be clearly stated.
- Abstract: 150–200 words highlighting objectives, methods, and results.
- Keywords: 4–6 relevant terms.
- Sections: Introduction, Methodology, Results/Discussion, Conclusion, References.

4. REVIEW PROCESS

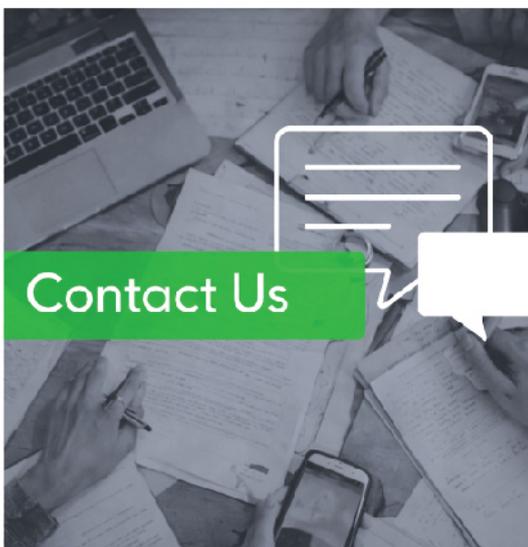
- All submissions will undergo double-blind peer review.
- Authors must ensure anonymity (no names/affiliations in the manuscript body).

5. IMPORTANT DATES

- Last Date for submission of Full-Length Technical Paper: **15 May 2026**
- Confirmation of Acceptance of Paper: **30 May 2026**

6. PRESENTATION

- Accepted papers must be presented at the conference (oral/poster).
- At least one author must register to ensure inclusion in proceedings.



7. CONTACT

- For queries, please reach out to the Conference Secretariat at **needmissionvibha@gmail.com**



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EVENT ORGANIZER



CONTACT US

Any Query related to
Abstract/Research Paper Submission:

Dr Astik Dhandhia
astikdhandhia@gmail.com

Dr Amit Patel
a.r.patel-med@msubaroda.ac.in

Any Query related to
General Conference:

Jignesh Borisagar
jigneshborisagar05@gmail.com
needmissionvibha@gmail.com

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