



1st National Sustainability Convention 2025



Theme :

**Fostering a Sustainable and Resilient Future :
For Planet, For All**

Organiser: **Sustainable Development Forum (SDF), IEI**
The Institution of Engineers (India)

Co-Organisers : **Bihar State Center-IEI**

Date : December 13-14, 2025

Venue : **The Institution of Engineers (India)**
Bihar State Center, Vishveshwaraia Sabha Bhawan,
1942 Kranti Marg (Harding Road), Patna-800001, Bihar

CHAIRMAN'S CALL

Dear Esteemed Colleagues,

It is with great honour and a sense of responsibility that I extend this message as Chairman of the Sustainable Development Forum (SDF) of the Institution of Engineers (India). As we prepare to host the National Sustainability Convention 2025 on the visionary theme “Fostering a Sustainable and Resilient Future: For Planet, For All,” we stand at a critical juncture in our collective journey toward sustainable development.



This Convention is not just an event—it is a unified platform for exploring innovative ideas, sharing ground-level experiences, and forging partnerships that can drive meaningful climate action, environmental responsibility, and societal well-being. With multiple sessions on the environment, clean energy, resilient urban development, and sustainable innovation, the Convention aims to bring together thought leaders, professionals, industry pioneers, policymakers, academics, and civil society.

The National Sustainability Awards 2025, being presented during the Convention, further our resolve to honour impactful contributions that are shaping a greener, fairer, and more inclusive future.

In this noble mission, we seek not only your presence but also your support through sponsorship and advertisement in our Convention Souvenir. Your generous involvement will strengthen our outreach and help us scale the impact of this initiative nationwide.

I warmly invite you to join us in this purposeful endeavour—be a participant, a partner, and a patron in building a resilient future. Together, let us ensure that this Convention is not only a success but a stepping stone to long-term, planet-positive transformation.

Together, let's build a better tomorrow.

Ajoy Kumar Sinha
Chairman, SDF-IEI

Why Attend as a Participant / Delegate

- * **Learn from leaders** : Hear insights from renowned sustainability experts, innovators, and policymakers.
- * **Stay ahead** : Discover cutting-edge technologies, green practices, and climate-resilient solutions.
- * **Expand your network** : Connect with industry professionals, government officials, and fellow engineers.
- * **Showcase your commitment** : Be part of India's premier platform for sustainable development.
- * **Earn recognition** : Receive an official Certificate of Participation from IEI.

Why Present a Paper

- * **Share your ideas** : Present your research or case study to a national audience of experts and peers.
- * **Get published** : Selected papers will be featured in the official Convention Proceedings.
- * **Boost your profile** : Enhance your visibility as a thought leader in sustainability.
- * **Collaborate** : Open doors to new academic, industrial, and research partnerships.
- * **Build credentials** : Receive a Presentation Certificate and exposure through media and digital channels.

Why Sponsor / Advertise

- * **Build brand credibility** : Align with a 100+ year-old national institution and its sustainability mission.
- * **Reach your audience** : Promote your brand to key decision-makers in engineering, government, and industry.
- * **Maximise visibility** : Enjoy prominent logo placement, speaking opportunities, and on-site branding.
- * **Feature in our Souvenir** : Secure premium ad space in a widely circulated, high-quality publication.
- * **Amplify impact** : Support a nationally significant sustainability initiative and showcase your CSR values.

THE ORGANISER

The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. Established in 1920, IEI has served the engineering fraternity close to a century.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 125 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

SUSTAINABLE DEVELOPMENT FORUM (SDF), IEI

The Institution of Engineers (India), in pursuance of its policy and principles embodied in the Royal Charter, further diversified its activities in search of avenues to serve the nation. In this context, the Institution of Engineers (India) opened its new limb, the Sustainable Development Forum, in 1998.

The Sustainable Development Forum (SDF) was thus established to develop and promote the advancement of engineering for sustainable development in its entirety. The Forum not only undertake specific programmes about sustainable development in collaboration with central and state governments but also evolves and makes policy recommendations in the field of sustainable development.

SDF promotes awareness, capacity-building, and professional engagement on pressing global challenges, including climate change, environmental degradation, resource management, clean energy, and sustainable engineering practices.

Objectives of the Convention

- * To promote awareness and action on sustainable development and climate resilience.
- * To showcase innovations and best practices across sectors.
- * To foster interdisciplinary dialogue among stakeholders.
- * To encourage policy formulation and capacity-building initiatives.
- * To engage youth and academia in shaping a sustainable future.

Target Participants

- * Engineers and Technical Experts
- * Researchers and Academicians
- * Government Officials and Policymakers
- * Environmental Professionals and NGOs
- * Industry Leaders and CSR Professionals
- * Students and Youth Leaders

Theme : Fostering a Sustainable and Resilient Future : For Planet, For All

In an era marked by unprecedented environmental challenges, social inequities, and technological transformation, the need to foster sustainability and resilience is more urgent than ever. Climate change, resource depletion, rapid urbanisation, and biodiversity loss threaten the very fabric of our planet. As stewards of development, engineers, policymakers, academia, and citizens must collaboratively embrace a holistic approach to secure our collective future.

This year's convention theme, “Fostering a Sustainable and Resilient Future: For Planet, For All,” calls for a collective commitment to reimagining our future. It emphasises the dual responsibility of engineering sustainable solutions while building resilience across natural, built, and social systems. The theme underscores the importance of interdisciplinary collaboration, technological innovation, climate-smart policies, and community empowerment in ensuring a just, regenerative, and inclusive future for all.

This convention aims to bring together experts, practitioners, researchers, and students to deliberate on transformative ideas, best practices, and actionable strategies that can lead to long-term sustainability and inclusive growth. The focus will be on bridging policy with practice, innovation with tradition, and ambition with accountability.

Broad Session Tracks & Sub-Themes

Session 1: Environment & Climate Action

Sub-Themes:

- ★ Nature-based solutions for ecosystem restoration
- ★ Community-led environmental monitoring and climate action
- ★ Circular economy models for resource efficiency
- ★ Biodiversity protection and eco-sensitive development
- ★ Managing air, water, and soil pollution sustainably
- ★ Carbon footprint assessment and reduction strategies
- ★ Role of civil society and local governments in environmental governance
- ★ Education for sustainable development (ESD) in formal and informal settings
- ★ Behavioural change communication, and citizen campaigns
- ★ Strengthening youth and women's leadership in sustainability

Session 2: Sustainable and Resilient Urbanisation & Green Infrastructure (Includes Climate Resilience & Disaster Risk Reduction)

Sub-Themes :

- ★ Climate-resilient city planning and design
- ★ Green infrastructure: urban forests, wetlands, and open spaces
- ★ Integrating disaster risk reduction into urban development
- ★ Smart mobility and low-carbon urban transport
- ★ Water-sensitive urban design (WSUD) and urban flood management
- ★ Waste segregation, recycling, and circular urban systems
- ★ Community participation in resilient neighbourhood planning
- ★ Public-private partnerships in resilient planning.
- ★ Role of institutions and governance in enabling systemic change

Session 3 : Clean Energy & Decarbonization Pathways

Sub-Themes :

- ★ Renewable energy access for rural and underserved regions
- ★ Innovations in solar, wind, bioenergy, and hybrid systems
- ★ Green hydrogen and carbon capture technologies
- ★ Electrification of transport and EV infrastructure
- ★ Energy efficiency in residential and industrial sectors
- ★ Grid modernisation and intelligent energy systems
- ★ Financing clean energy and climate tech for scale

Session 4 : Sustainable Agriculture, Water, and Land Use

Sub-Themes :

- ★ Regenerative and climate-smart agriculture
- ★ Water-efficient irrigation technologies and watershed development
- ★ Promoting agroforestry and sustainable land restoration
- ★ Community-led water governance and conservation
- ★ Soil health improvement through natural farming practices
- ★ Addressing water-energy-food nexus challenges
- ★ Integrating indigenous knowledge in sustainable land use

Session 5 : Technology, Innovation & Digital Solutions for Sustainability

Sub-Themes:

- ★ Role of AI, IoT, and GIS in environmental monitoring
- ★ Digital platforms for sustainable supply chain management
- ★ Smart grids, energy dashboards, and IoT for resource efficiency
- ★ Innovation in low-cost, decentralised sustainability solutions
- ★ Indigenous and frugal engineering for local challenges
- ★ Blockchain for traceability in food, water, and energy systems
- ★ Startups and incubators for green technologies

Date

December 13-14, 2025

Venue

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Bihar State Center, Vishveshwaraiya Sabha
Bhawan, 1942 Kranti Marg (Harding Road),
Patna-800001, Bihar

Phone : (0612) 2222639, 2330544

E-mail : biharsc@ieiindia.org

Website : www.ieibihar.org

Call for Papers

| | |
|---------------------------------|---------------|
| Submission of Abstract | 01 Nov., 2025 |
| Submission of Full-Length Paper | 15 Nov., 2025 |

Guidelines for Submission of Paper

Full length paper, having abstract, keywords and references, may be submitted for assessment of the Technical Committee.

The paper should be prepared on A-4 size sheet with a margin of 1.5 cm on all sides. Paper should be in MS Word format in 10 points New Times Roman typed and single line spacing. Length of the paper is requested to be up to 6-pages. On acceptance of the Paper, the author sending longer paper will be requested to edit, otherwise the technical committee will exercise its right to edit.

Paper is to be sent in hard copy as well as soft copy on CD or through e-mail - biharsc@ieiindia.org

An undertaking has to be sent that the paper has not been published/presented/submitted elsewhere.

Registration for the Convention

Complete the Registration Form in capital letters (preferably type written) and submit along with the Registration Fee to the Convention Secretariat.

Participation Fee

| | |
|--|---------------|
| Corporate Member of IEI | : Rs. 1,000/- |
| Non-Member (Individual) | : Rs. 1,500/- |
| Sponsored Delegate from Industry/ Research Organizations | : Rs. 2,500/- |
| Sponsored Delegates from Educational Institutions | : Rs. 1,500/- |
| Students | : Rs. 500/- |

National Sustainability Convention 2025



Registration Fee includes

- ✧ Participation in all Sessions of the Convention
- ✧ Delegate Kit
- ✧ Opening & Closing Ceremonies (Spouses will be invited guests)
- ✧ Buffet Lunch and Tea/Coffee.

Payment

Payments for delegate Fees, Advertisement & Sponsorship will be accepted through NEFT/RTGS/Online transfer/ Bank Draft/Banker's Cheque to be made in favour "The Institution of Engineers (India) - Sustainable Development Forum".

1. Name of the Beneficiary : The Institution of Engineers (India) - Sustainable Development Forum
2. Name of the Bank & Branch : UCO Bank, Mahalekhakar Bhawan, Patna – 800 001
3. Account No. : 00620100403193/Saving Account
4. IFSC Code : UCBA0002050.

Award Applicant Complimentary Registration

Every Sustainability Award applicant organization will be offered one complimentary participant for the convention, with full facilities of registered delegate.

Souvenir

A Souvenir (in colour) will be published on the occasion. Rates for advertisement in the Souvenir are as follows:

| | |
|--------------------------------|----------------|
| Outside Cover (multi-colour) | Rs. 1,00,000/- |
| Inside Cover (multi-colour) | Rs. 60,000/- |
| Full Page Inner (multi-colour) | Rs. 30,000/- |
| Half Page Inner (multi-colour) | Rs. 20,000/- |

Tentative Program

| DAY 1 | DAY 2 |
|---|---|
| 11:30 - 13:00 hrs - Inaugural Session | 10:00 - 11:30 hrs - Technical Session - 3 |
| 13:00 - 14:00 hrs - Lunch | 11:30 - 11:45 hrs - Tea |
| 14:00 - 16:00 hrs - Technical Session 1 | 11:45 - 13:15 hrs - Technical Session - 4 |
| 16:00 - 16:15 hrs - Tea | 13:15 - 14:15 hrs - Lunch |
| 16:15 - 18:00 hrs - Technical Session 2 | 14:15 - 15:45 hrs - Technical Session – 5 |
| 18:30 - 20:00 hrs - Cultural Programme | 15:45 - 16:00 hrs - Tea |
| 20:00 - 21:30 hrs - Convention Dinner | 16:00 - 17: 30 hrs - Valedictory Session |
| | DAY 3 |
| | Technical Tour |

Sponsorship Options

| Category of Sponsors | Amount (Privileges) |
|------------------------|----------------------------------|
| Diamond | Rs. 4.0 lakh (8 Delegates free) |
| Platinum | Rs. 3.0 lakh (6 Delegates free) |
| Gold | Rs. 2.0 lakh (4 Delegates free) |
| Silver | Rs. 1.0 lakh (2 Delegates free) |
| Supporter | Rs. 0.5 lakh (1 Delegates free) |
| Convention Dinner | Rs. 2.0 lakh (4 Delegates free) |
| Cultural Program | Rs. 2.0 lakh (4 Delegates free) |
| Lunch First/Second day | Rs. 1.25 lakh (2 Delegates free) |

Contact for further enquiry :

Er. Ajoy Kumar Sinha, FIE

Convention Chairman-cum-
Chairman, SDF-IEI

M : +91-9973006657

email - aks2830@gmail.com

Er. Neel Mani Rangesh, FIE

Convenor-cum- Honorary
Secretary, BSC-IEI

M. : +91-9431000024

email - neecmr@gmail.com

Convention Secretariat :

The Institution of Engineers (India)

BIHAR STATE CENTRE

Form-1 : Delegate Registration

Please type or print in Block Letters:

Name Prof/Dr/Mr/Ms

Designation

Company/Organisation

Mailing Address

Phone Email

Details of Additional Participants (Name, Position) etc.

i)

ii)

iii)

iv)

IEI Membership No. with Engg. Branch (if applicable)

F/M/AM

Name :

Designation :

Authorised Signatory

Payment Details :

NEFT/RTGS/Online transfer/ Bank Draft/Banker's Cheque to be made in favour "The Institution of Engineers (India) - Sustainable Development Forum". 1. Name of the Beneficiary : The Institution of Engineers (India) - Sustainable Development Forum, 2. Name of the Bank & Branch : UCO Bank, Mahalekhakar Bhawan, Patna – 800 001, 3. Account No. : 00620100403193/Saving Account, 4. IFSC Code : UCBA0002050.

Cheque/Bank Draft No. Dated

Bank Name

Amount

Form-2 : Sponsorship/Souvenir Advertisement

Please type or print in Block Letters:

☐ **SPONSORSHIP**

☐ Diamond Sponsor

☐ Platinum Sponsor

☐ Gold Sponsor

☐ Silver Sponsor

☐ Supporter Sponsor

☐ Dinner Sponsor

☐ Lunch Sponsor (First Day)

☐ Lunch Sponsor (Second Day)

☐ Cultural Event Sponsor

☐ **SOUVENIR**

☐ Outside Cover (multi- colour)

☐ Inside Cover (multi- colour)

☐ Full Page Inner (multi- colour)

☐ Half Page Inner (multi- colour)

Name Prof/Dr/Mr/Mrs/Ms

Designation

Company/Organisation

Business Type

Mailing Address

Phone Fax E-mail

Enclosed : Advertisement Material / Logo (High resolution matter is desired)

Name :

Designation :

Authorised Signatory

Payment Details

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Cheque/Bank Draft No. Dated

Bank Name

Amount