

4th NATIONAL QUALITY CONVENTION 2025



Theme:

Driving a National Quality Movement for Resilient and Sustainable Growth

Organiser: Safety and Quality Forum

The Institution of Engineers (India)

Co-Organisers: Bihar State Center-IEI &
Sustainable Development Forum (SDF), IEI

Date: April 19-20, 2025

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



THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) [IEI], a beacon of engineering excellence, was established in 1920. It is the largest multi-disciplinary professional body of engineers, with its Headquarters located in Kolkata. Incorporated under the Royal Charter on 9th September 1935 by the then His Majesty of King George V, the Institution was entrusted with the noble responsibility to promote the general advancement of engineering amongst its members and persons attached to the Institution. Post-Independence, the Institution is a “Body Corporate” protected under Article 372 of the Constitution of India. The Institution of Engineers (India) is administered by a National Council with the President as its Head.

The Ministry of Science & Technology, Government of India, has recognised IEI as a Scientific and Industrial Research Organization (SIRO). In addition to conducting its own research, IEI provides grants-in-aid to UG / PG / PhD students at engineering institutes and universities.

From its very inception, IEI has been at the forefront of setting national standards, playing a pivotal role in promoting the country’s industrial base. This significant contribution culminated in the formation of the Indian Standard Institution (ISI), now known as the Bureau of Indian Standards (BIS). IEI, in collaboration with Springer Nature Pvt. Ltd., continues to shape the engineering landscape of the nation.

The State / Local Centres of IEI spread across the country organise technical activities and provide a platform for stakeholders, technocrats, policymakers, and others to share their expertise and benefit the engineering fraternity.

SAFETY AND QUALITY FORUM, IEI

Safety & Quality Forum was established by The Institution of Engineers (India) at New Delhi in 2003, to focus on engineering aspects that contribute towards the improvement in Safety & Quality in engineering Profession. Forum has been actively involved in disseminating knowledge in the field of Safety and Quality for the last more than a decade.

Mission is to create a culture of Safety and Quality, through ethical and professional practices and to promote working environment that leads to the highest level of productivity and sustainable development with optimal use of resources.

SUSTAINABLE DEVELOPMENT FORUM (SDF), IEI

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

The Sustainable Development Forum (SDF) was thus established pursuant to the resolution of the Council of the Institution of Engineers (India) on April 4-5, 1998, at Tirupati in 1998 for developing and promoting the advancement of engineering for sustainable development in totality. The Forum not only undertake specific programmes pertaining to sustainable development in collaboration with central and state governments but also evolves and makes policy recommendations in the field of sustainable development.



Theme : **Driving a National Quality Movement for Resilient and Sustainable Growth**

Resilience and sustainability are no longer optional but imperative in today's fast-evolving global landscape, which is full of economic uncertainties, rapid technological advancements, and pressing environmental challenges. They demand a robust national focus on quality. India's journey toward becoming a global powerhouse demands a transformative shift: a National Quality Movement that integrates excellence into the fabric of our economy, society, and environment. This theme, "Driving a National Quality Movement for Resilient and Sustainable Growth," emphasises the critical role of quality in fostering resilience, ensuring sustainability, and propelling India toward inclusive and equitable development. Quality is not merely a technical parameter but a strategic enabler, ensuring efficiency, innovation, and excellence across industries and institutions.

Quality is far more than adherence to standards; it is a philosophy and a strategic tool that drives innovation, enhances efficiency, and builds trust. Industries prioritising quality meet global benchmarks and achieve economic competitiveness by reducing wastage and improving productivity. A quality-first approach in manufacturing guarantees durability and resource optimisation, contributing to long-term financial stability. For industries, it means competing globally and leading through efficiency, cost-effectiveness, and reliability. Quality infrastructure ensures the creation of enduring assets that stand as testaments to sustainability and resilience. In agriculture, adopting quality-driven practices ensures food security while promoting sustainable farming methods. Similarly, in healthcare and education, quality standards directly enhance accessibility and outcomes, addressing critical societal needs. In governance, embedding quality principles improves transparency, accountability, and citizen satisfaction, strengthening public trust.

Moreover, quality plays a pivotal role in addressing environmental challenges. Quality frameworks can align industrial growth with climate action and ecological preservation by integrating circular economy principles, renewable energy solutions, and resource efficiency. Digital transformation further amplifies these efforts, enabling precision, scalability, and innovation in quality management practices.

This revolution demands collective action from industries, policymakers, academia, and communities. With visionary leadership, capacity building, and a shared commitment, quality can become the backbone of India's growth story. By embracing quality as a national priority, India can build a resilient economy, foster inclusive social development, and ensure environmental sustainability.

Sub-Themes

- 1. Quality as the Cornerstone of Economic Resilience -**
Exploring how robust quality practices contribute to economic stability and growth.
- 2. Embedding Quality in Sustainable Infrastructure Development -**
Addressing the role of quality assurance in creating long-lasting and eco-friendly infrastructure.
- 3. Quality and Innovation: Key Drivers of Competitiveness -**
Highlighting the synergy between quality practices and innovation in enhancing global competitiveness.
- 4. Sustainable Agriculture Through Quality-Driven Practices -**
Promoting quality standards in agriculture for food security and environmental conservation.



5. **Quality in Circular Economy and Resource Optimization -**
Discussing how quality can support efficient resource use and sustainable production cycles.
6. **Fostering Quality in Manufacturing for Sustainable Growth -**
Examining strategies for implementing quality benchmarks in manufacturing processes.
7. **Leveraging Digital Transformation for Quality Enhancement -**
Exploring the integration of technology to improve quality across sectors.
8. **Community Empowerment Through Quality in Social Development -**
Showcasing the impact of quality initiatives in driving inclusive social progress.
9. **The Intersection of Quality, Climate Action, and Renewable Energy -**
Discussing the role of quality standards in achieving climate goals and advancing renewable energy solutions.
10. **Building a Quality-Driven Workforce for the Future -**
Emphasizing the importance of quality education and training in creating a skilled and innovative workforce.
11. **Quality Assurance in Healthcare for a Resilient Nation -**
Discussing the significance of quality management in building an equitable and reliable healthcare system.
12. **Driving Environmental Sustainability Through Quality Frameworks -**
Highlighting the role of quality practices in reducing environmental impact and fostering sustainable development.
13. **Empowering MSMEs Through Quality Initiatives -**
Addressing how micro, small, and medium enterprises can leverage quality frameworks for competitiveness.
14. **Quality in Healthcare Systems for National Well-Being -**
Examining the impact of quality standards on enhancing healthcare accessibility and efficiency.
15. **Role of Quality in Achieving the SDGs (Sustainable Development Goals) -**
Linking quality management with India's progress on global SDGs.
16. **The Intersection of Artificial Intelligence and Quality Assurance -**
Examining how AI technologies are enhancing quality processes across industries.

Who Should Attend ?

- | | |
|--|--|
| ❖ Business Heads, Operation Heads & Senior Management Officers | ❖ Professional Organisations |
| ❖ Plant Heads | ❖ Policymakers & Government Officials |
| ❖ Department Head - Quality Assurance, Quality Control | ❖ Certification System Experts |
| ❖ Research Scholar; Quality Engineers | ❖ IMS Consultants and Certification Agency Professionals |
| | ❖ TPM Trainees; Academicians |



Date

April 19-20, 2025

Venue

The Institution of Engineers (India),
Bihar State Center, Vishveshwariya 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	28th Feb., 2025
Submission of Full-Length Paper	15th Mar., 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.

An undertaking has to be sent that the paper has not been published/presented/submitted elsewhere. Papers depicting the advancement in theory and practice of managing Quality issues will be preferred.

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. Application Form can be downloaded from website : www.sqfiei.in.

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/-

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 Quality Innovation 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. 50,000/-
Inside Cover (multi-colour)	Rs. 40,000/-
Full Page Inner (multi-colour)	Rs. 30,000/-
Half Page Inner (multi-colour)	Rs. 20,000/-

Sponsorship Options

Category of Sponsors	Amount (Privileges)
Diamond	Rs. 4.0 lacs (8 Delegates free)
Platinum	Rs. 3.0 lacs (6 Delegates free)
Gold	Rs. 2.0 lacs (4 Delegates free)
Silver	Rs. 1.0 lacs (2 Delegates free)
Supporter	Rs. 0.5 lacs (1 Delegates free)

Contact for further enquiry :

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Er. Praveen Krumar Singh
Director, SQF-IEI
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Er. Neel Mani Rangesh, FIE
Honorary Secretary, BSC-IEI
M. : +91-9431000024

Tentative Program

DAY 1	DAY 2
09:30 - 11:00 hrs - Inaugural Session	09:30 - 11:00 hrs - Technical Session - 3
11:00 - 11:30 hrs - Hi-Tea	11:00 - 11:15 hrs - Tea
11:30 - 13:00 hrs - Plenary Session	11:15 - 13:00 hrs - Technical Session - 4
13:00 - 14:00 hrs - Lunch	13:00 - 13:45 hrs - Lunch
14:00 - 15:30 hrs - Technical Session 1	13:45 - 15:00 hrs - Technical Session - 5
15:30 - 15:45 hrs - Tea	15:00 - 15:15 hrs - Tea
15:45 - 17:30 hrs - Technical Session - 2	15:15 - 16: 30 hrs - Valedictory Session
18:30 - 20:00 hrs - Cultural Programme	DAY 3
20:00 - 21:30 hrs - Convention Dinner	Technical Tour

SAFETY AND QUALITY FORUM

The Institution of Engineers (India)

"Engineers Bhawan", 2, Bahadurshah Zafar Marg, New Delhi-110002

E-mail : sqfdelhi1@gmail.com, praveen8771@gmail.com • Website : www.sqfiee.in

Convention Secretariat :

The Institution of Engineers (India)

BIHAR STATE CENTRE

1942 Kranti Marg (Harding Road), Patna-800001, Bihar

Phone : (0612) 2222639, 2330544, E-mail : biharsc@ieiindia.org, Website : www.ieibihar.org



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 Registration

Please type or print in Block Letters:

SPONSORSHIP

- | | |
|--|---|
| <input type="checkbox"/> Diamond Sponsor | <input type="checkbox"/> Lunch Sponsor (First Day) |
| <input type="checkbox"/> Platinum Sponsor | <input type="checkbox"/> Lunch Sponsor (Second Day) |
| <input type="checkbox"/> Gold Sponsor | <input type="checkbox"/> Registration Sponsor |
| <input type="checkbox"/> Silver Sponsor | <input type="checkbox"/> Cultural Event Sponsor |
| <input type="checkbox"/> Supporter Sponsor | <input type="checkbox"/> Kit Bag Sponsor |
| <input type="checkbox"/> Dinner Sponsor | <input type="checkbox"/> Session Sponsors |

SOUVENIR

- | | |
|--|--|
| <input type="checkbox"/> Outside Cover (multi- colour) | <input type="checkbox"/> Full Page Inner (multi- colour) |
| <input type="checkbox"/> Inside Cover (multi- colour) | <input type="checkbox"/> 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

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