



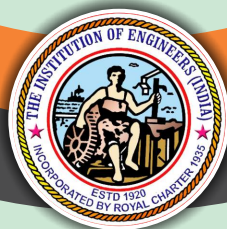
41st NATIONAL CONVENTION OF ELECTRICAL ENGINEERS

21st & 22nd August 2026

- Theme -

Transforming India's Power Sector through
AI & Green Technologies for a Viksit Bharat

Organised by



The Institution of Engineers (India)
Amravati Local Centre

Under the aegis of
Electrical Engineering Division Board, IEI

Venue: Abhiyanta Bhavan IEI Amravati

About 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 from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honor. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 centers and 6 overseas chapter located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification. For details, please visit www.ieindia.org

About Amravati Centre:

The Amravati Local Centre was established in 1998 with jurisdiction over five districts of Western Vidarbha, namely Amravati, Akola, Buldhana, Washim, and Yavatmal. In 2006, the Centre was allotted 25,000 sq. ft. of land on lease by the Government Polytechnic, Amravati for the construction of its own building to conduct technical and social activities.

Initially, in 2011, the Centre constructed a building of approximately 1,000 sq. ft. to carry out essential administrative activities, which included a meeting hall and a temporary library room. Subsequently, in 2015, the Centre completed the construction of an extension to the existing building, increasing the total built-up area to 6,500 sq. ft. This extension includes a conference hall with a seating capacity of 400 participants.

At present, all technical and social activities are conducted in the 3,500 sq. ft. Conference Hall, which is equipped with modern facilities such as a dais, advanced sound system, LED screen, air-cooling system, and proper seating arrangements.

In the second phase of development, the IEI Amravati Centre constructed the first floor, which comprises a Study Centre with a fully equipped Library, a Skill Development Centre for various training activities for unemployed Polytechnic and Engineering students as well as professional engineers, a knowledge centre, and two guest rooms.

Theme of the Convention : Transforming India's Power Sector through AI & Green Technologies for Viksit Bharat

About the Theme

India's journey toward Viksit Bharat depends heavily on a resilient, affordable, and sustainable power sector. This theme focuses on how Artificial Intelligence (AI) and green energy solutions can jointly transform the electricity ecosystem to meet growing demand while advancing climate commitments and economic growth.

AI-enabled technologies are revolutionizing the power sector by improving demand forecasting, grid stability, asset management, outage prediction, and energy efficiency. Smart grids, AI-driven analytics, and digital twins enable real-time decision-making, reduce losses, and enhance reliability across generation, transmission and distribution networks.

At the same time, the large-scale integration of renewable energy sources - such as solar, wind, hydro, green hydrogen and energy storage - supports India's transition to a low-carbon future. AI plays a critical role in managing the intermittency of renewables, optimizing storage, enabling peer-to-peer energy trading and supporting decentralized energy systems.

Together, AI and green energy solutions can accelerate energy access, affordability, sustainability, and energy security, while fostering innovation, skilled employment, and investment. This theme highlights pathways for policy, technology and collaboration to build a future-ready, digitally intelligent, and environmentally sustainable power sector, positioning India as a global leader in clean energy and driving the vision of Viksit Bharat.

Sub Themes

- AI-Enabled Smart Grids and Digital Power Infrastructure: *Role of AI in grid automation, real-time monitoring, loss reduction, and enhancing reliability and resilience.*
- Renewable Energy Integration and Forecasting through AI: *AI-driven forecasting of solar and wind power, managing intermittency, and optimizing renewable energy dispatch.*
- Energy Storage, Green Hydrogen, and Advanced Clean Technologies: *Innovations in battery storage, pumped hydro, green hydrogen production and AI-based optimization of storage systems.*
- AI for Power Distribution Reforms and Loss Reduction: *Use of AI in predictive maintenance, theft detection, demand response and improving DISCOM efficiency and financial health.*
- Decentralized Energy Systems and Prosumer Participation: *Rooftop solar, microgrids, peer-to-peer energy trading, and AI-enabled energy management for consumers and communities.*
- Cybersecurity, Data Governance and Digital Trust in Power Systems: *Securing AI-driven power infrastructure, data privacy, and building resilient digital ecosystems.*
- Policy, Regulation and Market Design for AI & Green Energy Adoption: *Enabling frameworks, standards, incentives and regulatory innovations to scale AI and clean energy solutions.*
- Skill Development, Innovation, and Start-up Ecosystem: *Building a future-ready workforce, R&D, and start-up-led innovation in AI and clean energy technologies.*
- Climate Action, Sustainability, and Net-Zero Pathways: *Leveraging AI and renewables to meet India's climate goals, improve energy efficiency, and reduce emissions.*
- Inclusive Growth and Energy Access for Viksit Bharat: *Ensuring affordable, reliable, and clean energy for rural, urban, and industrial development.*

Call for Papers

Engineering professionals from industry, research and development organizations, academic institutions, and Government departments are invited to submit papers related to the theme and sub-themes of the Convention.

The Convention will feature a keynote address, memorial lecture, and invited lectures by eminent scientists and engineers.

Participants intending to present papers are requested to submit a soft copy of the abstract, not exceeding 250 words, including the title, names of authors, affiliations, and email addresses. The abstract should be typed in Times New Roman, font size 12, on A4 size paper.

Upon acceptance of the abstract, authors must submit the full-length paper within the stipulated deadline to amravatilc@ieindia.org.

Selected papers will be published in the technical volume to be released on the occasion of the National Convention.

Closing Dates for Paper

Submission of Abstract	: 31 st May, 2026
Communication of acceptance of Abstract	: 30 th June, 2026
Submission of full paper	: 15 th July, 2026

Registration Fee

Sponsored Delegates	: Rs. 2000/- (including GST)
Corporate Members of IEI or any other associated Organization	: Rs. 1000/- (including GST)
Non Members	: Rs. 1500/- (including GST)
Research Scholars/Students	: Rs. 300/- (including GST)

Sponsorship & Co-Sponsorship

Diamond Sponsor (Two delegates and inside Full-page advertisement)	- Rs. 2,00,000/- (18% GST extra)
Gold Sponsor (One delegates and inside Full-page advertisement)	- Rs. 1,00,000/- (18% GST extra)
Silver sponsor (One delegate and inside Half-page advertisement)	- Rs. 75,000/- (18% GST extra)

Advertisement Tariff

A souvenir in A4 size (black & white) containing the abstracts of the papers presented in the convention will be published for distribution to delegates and various organizations across the country.

Back Cover outside (Colour)	: Rs. 50,000/- (5% GST extra)
Back Cover inside (Colour)	: Rs. 25,000/- (5% GST extra)
Front Cover inside (Colour)	: Rs. 25,000/- (5% GST extra)
Inside full page (Black & White)	: Rs. 15,000/- (5% GST extra)
Inside half page (Black & White)	: Rs. 10,000/- (5% GST extra)

Date and Venue

The Convention will be held on 21st & 22nd August at Abhiyanta Bhavan, Amravati . Parallel technical sessions will be conducted at Govt. College of Engineering Amravati and Govt. Polytechnic Amravati.

Exhibition of Product/Services:

- An exhibition is being organized to provide Electrical Engineering industries with an opportunity to showcase their products and services for the benefit of delegates and other visitors.
- Each exhibitor will be allotted a stall space of 8 × 6 feet at a nominal fee of Rs. 10,000/- for a duration of two days.
- Demonstration of Students project works and presentation of technical papers: Members of IEI Student Chapters and students from participating colleges will have the opportunity to showcase their accredited project work and models, as well as present papers related to the theme and sub-themes of the National Convention.
- All participants will be awarded certificates of participation.
- Research papers, not exceeding six pages, should be prepared in the prescribed format (A4 size, Times New Roman, font size 12) and submitted in Word format to amravatilc@ieindia.org on or before 15th July 2026.
- Selected papers will be published with ISBN in the technical volume to be released on the occasion of the National Convention.

Payment

All payments are to be made through crossed Cheque / Demand Draft or Digital payment favour of "The Institution of Engineers (India), Amravati Local Centre" Payable at Amravati.

Bank name : State Bank of India
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REGISTRATION FORM**41st National Convention of Electrical Engineers**

on

**Transforming India's Power Sector through
AI & Green Technologies for Viksit Bharat****21st 22nd August 2026****The Institution of Engineers (India)
Amravati Local Centre**

Name: _____

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in favor of The Institution of Engineers(India), Amravati Local Centre.

Dated : _____

Signature

Accommodation :

The participants who need accommodation may contact directly to the following hotels in the city and nearest from the venue.

- **Hotel Grand Mehfil Inn**, Camp, Amravati
- **Hotel Up and Above**, Camp, Amravati
- **Hotel Elements**, Old Biyani Square, University Road, Amravati
- **Hotel Shripad Continental**, Morshi road, Amravati
- **Hotel Amantran**, Near Railway Station, Amravati
- **Hotel Gauri Inn**, Nagpur Road, Amravati
- **Hotel Radhey Inn**, Near Railway Station, Amravati

Tourist & Religious Places near Amravati

Amravati is a divisional headquarters well connected to metro cities via Nagpur. The airport in Amravati is having connectivity only with Mumbai and the nearest International airport is Nagpur (160 km away). The nearest railway station is Badnera Junction (BD-Amt), located 12 km from the city. Direct trains are also available from Amravati to Mumbai, Pune and Jabalpur.

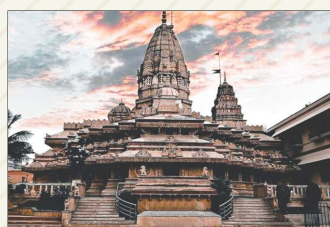
Amravati serves as a convenient base for visiting several important tourist and religious destinations in the Vidarbha region.

- **Ambadevi Temple** is a famous Hindu temple in Amravati, Maharashtra, dedicated to Goddess Ambadevi, an incarnation of Goddess Durga.
- **Ekvira Devi Temple** is situated in the vicinity of Amba devi Temple. This Temple is just a few steps away from Amba devi Temple. Devi (Godess) is a incarnation of Shakti, during the Navaratri festival .
- **Chikhaldara** (approx. 85 km) is the only hill station in Maharashtra's Vidarbha region, located in the Satpura ranges, known for its scenic valleys, coffee plantations, and the historic Gavilgad Fort.
- **Muktagiri** (approx. 65 km), situated near the Madhya Pradesh border, is a revered Jain pilgrimage site famous for its ancient temples nestled amidst waterfalls and lush greenery.
- **Kaudanyapur** (approx. 45 km) near Amravati is traditionally believed to be associated with Rukmini's legend and holds religious importance for devotees.
- **Shegaon** (approx. 110 km) is a major spiritual center, renowned as the sacred place of Shri Gajanan Maharaj, attracting devotees from across India.
- **Lonar** (approx. 140 km) is globally famous for the Lonar Crater Lake, a rare meteorite impact crater formed in basalt rock, combining geological wonder with ancient temples around the lake.
- **Pohara Devi** (approx. 60 km) is widely revered as a significant pilgrimage center, especially among the Banjara community, dedicated to Goddess Pohara Devi. Recently Banjara Riyasat Nagara museum is constructed and worth to visit.

All these destinations are well connected by road from Amravati via state highways, and private taxis and buses are easily available. The pleasant post-monsoon and winter months (October to February) are ideal for visiting these places.



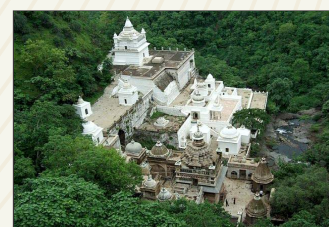
Ambadevi Temple



Ekviradevi Temple



Chikhaldara (Hill Station)



Muktagiri Jain Temple



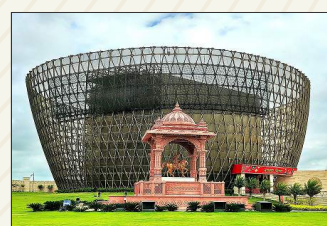
Kaudanyapur Temple



Shegaon spiritual center



Lonar Crater



Nagara Museum, Pohara Devi

