

National Conference on

APPLICATION OF ARTIFICIAL INTELLIGENCE IN THE POWER SECTOR

Under the aegis of CIGRE NSC D2 on Information Systems and Telecommunication

Date: 23rd - 24th July 2026

Venue: CBIP Conference Hall, CBIP, New Delhi



Organized by



In association with



Supported by



ANNOUNCEMENT

The Central Board of Irrigation & Power jointly with CIGRE-India is organising National Conference on 'Application of Artificial Intelligence in the Power Sector' on 23-24 July 2026 at Conference Hall, CBIP, New Delhi. This conference is supported by Central Electricity Authority. This Conference is being organized under the aegis of CIGRE NSC D2 on Information Systems and Telecommunication.

BACKGROUND AND OBJECTIVES

The power sector in India is undergoing rapid transformation with increasing integration of digital technologies. In this context, Artificial Intelligence (AI) is emerging as a powerful enabler for enhancing efficiency, reliability, predictive maintenance, asset management, and decision-making across generation, transmission, and distribution systems.

Globally, power utilities are progressively adopting AI-driven solutions to transition towards smarter, more resilient, and efficient power systems. In India as well, initial efforts have begun in select areas; however, the adoption of AI across the sector remains at a relatively in beginning stage. A large number of professionals—particularly in utilities—are in the early stages of understanding the practical applications, benefits, and implementation challenges associated with these technologies.

Keeping this in view, CBIP decided to disseminate the knowledge on this subject, and invite professionals in this sector to share their experience on the application of AI in the power sector. Such an initiative would help bridge the gap between emerging technological capabilities and their practical adoption in utilities. This conference will serve as an important step towards familiarizing power sector professionals with AI technologies and their adoption in day-to-day operations. Active participation and knowledge sharing from your organization will greatly enrich the deliberations.

OBJECTIVE OF THE CONFERENCE

The proposed National Conference aims to:

- Create awareness on the role and potential of AI in the power sector
- Provide a platform for knowledge sharing and exchange of practical experiences
- Showcase emerging technologies, tools, and case studies
- Facilitate interaction among utilities, industry experts, academia, and technology providers
- Encourage capacity building for professionals in the power generation, transmission, and distribution sectors

CALL FOR NOMINATIONS

CBIP invites nominations of suitable professionals from your esteemed organization to participate in this important national event. The conference will be particularly beneficial for engineers, managers, planners, IT professionals, and decision-makers who are keen to understand and adopt AI-based solutions in their respective domains.

CALL FOR PAPERS / PRESENTATIONS / CASE STUDIES

Organizations and professionals are also invited to contribute technical papers, presentations, and case studies on relevant themes, including but not limited to:

- AI applications in power generation (Thermal, Hydro, Renewable)
- Predictive maintenance and asset management using AI
- Predicting failures before they occur
- AI in transmission system planning and operation
- Smart grids and AI-based grid management
- AI applications in distribution systems and loss reduction
- Demand forecasting and load management
- Integration of renewables using AI tools
- Cybersecurity and data analytics in power systems
- Real-world case studies and pilot projects
- Integrating AI into utility workflows
- Challenges and future roadmap for AI adoption in the power sector
- AI solutions supporting the energy transition

Contributions highlighting practical implementation, field experience and lessons learned will be particularly encouraged.

SUBMISSION DETAILS

Interested contributors may submit an abstract/full paper on any of the above subject along with author details to CBIP by 10th July 2026

DATES AND VENUE

The conference will be held on 23-24 July 2026 at CBIP Conference Hall, New Delhi (Thursday and Friday). The conference timings will be 10.00 AM to 5.30 PM on both the days. The registration will start at 9.00 AM on 23rd July 2026

REGISTRATION FEE

Registration Fees is Rs. 14,000/- per participant.

Special Discounted Registration fee for CBIP/CIGRE members is Rs. 12,500/- per participant.

GST @ 18% shall be charged extra. GST No. 07AAAAZ0260A1Z1

The Registration fee covers the registration kit, tea/coffee/lunch during the conference. The Conference is non-residential. Participants will have to make their own arrangement for travel, boarding and lodging, etc. All payments be made through DD/ cheque at par in favour of "THE COMM FOR INTL CONF ON LHVES", Bank Name & Branch : Canara Bank, Delhi Diplomatic Enclave, Branch Address :7/48, Malcha Marg, Chanakyapuri, New Delhi-110021 Account No. : 0157101031491; IFSC code of branch : CNRB0000157; Swift Code : CNRBINBBBFD; MICR No. : 110015007

SPONSORSHIP OPPORTUNITY

The Conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/coffee and lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings, banners and other publicity material related to Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Platinum Sponsor : Rs. 3,50,000/-	Gold Sponsor : Rs. 2,50,000/-	Silver sponsor : Rs. 1,50,000/-
<ul style="list-style-type: none">• 10 delegate passes for participation in the Conference• Speaking Opportunity• Invitation to the key person of the organization as special invitee during Inaugural session• Circulation of Company Literature during the event• Company logo on main backdrop and other banners• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.• Announcement -Thanking sponsor	<ul style="list-style-type: none">• 05 delegate passes for participation in the Conference• Company logo on main backdrop and other banners• Circulation of Company Literature during the event• Announcement - Thanking sponsor• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	<ul style="list-style-type: none">• 03 delegate passes for participation in the Conference• Company logo on main Backdrop• Announcement – Thanking sponsor

For further details, please contact the Conference Secretariat.

CONFERENCE SECRETARIAT

Dr. Deepak Saigal, Secretary, CBIP

Shri Anoop Singh, Director (Energy), CBIP

Shri A. K. Srivastava, Advisor (Energy), CBIP

Contact Person: **Shri S.K. Batra**, Consultant, CBIP M : 9811943812, E-mail : batra@cbip.org

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National Conference on
“Application of Artificial Intelligence
in the Power Sector”

23-24 July 2026

New Delhi

REGISTRATION FORM

(To be filled in block letters preferably)

Delegate _____

(Surname)

(First Name)

Designation _____

Name of Organisation _____

Mailing Address _____

City _____

State _____ PIN _____

Phone _____

E-mail _____

Dated _____

Signature _____

CONFERENCE SECRETARIAT

Dr. Deepak Saigal

Secretary

Central Board of Irrigation and Power

Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Tel : 91-11-26115984 / 26116567

Registration Form, duly filled in, is to be mailed to the following address:

Contact Person : Shri S.K. Batra, Consultant (Tech.), M: 9811943812

Email : batra@cbip.org; Web-site: <http://www.cbip.org>

Note:

- Photocopies of the registration form can be used for additional requirements, if any.
- Spot registration facilities will also be available, provided the prior information is received.