

NATIONAL CONFERENCE ON SUSTAINABLE ENERGY TRANSITION AND ACHIEVING CARBON NEUTRALITY IN THE INDIAN POWER SECTOR

UNDER THE AEGIS OF CIGRE NSC:

C1: POWER SYSTEM DEVELOPMENT & ECONOMICS

C2: POWER SYSTEM OPERATION & CONTROL

C3: POWER SYSTEM SUSTAINABILITY AND ENVIRONMENTAL PERFORMANCE

DATE: 16TH– 17TH DECEMBER 2026

VENUE: CBIP CONFERENCE HALL, NEW DELHI



ORGANIZED BY



IN ASSOCIATION WITH



SUPPORTED BY



ANNOUNCEMENT

The CIGRE India in association with Central Board of Irrigation and Power (CBIP) is organising a National Conference on “Sustainable Energy Transition and Achieving Carbon Neutrality in the Indian Power Sector” on 16–17 December 2026 at CBIP, New Delhi. The Conference is being organised with the support of the Central Electricity Authority (CEA) and under the aegis of CIGRE NSC C1: Power System Development & Economics; C2: Power System Operation & Control and C3: Power System Sustainability and Environmental Performance.

BACKGROUND

The Indian power sector is undergoing a significant transformation, driven by the rapid growth of renewable energy, increasing electrification, emerging technologies, changing consumer behaviour and the national commitment towards a cleaner, more sustainable and resilient energy future. The transition towards a low-carbon power system presents significant opportunities as well as complex technical, economic, regulatory and operational challenges.

India has set ambitious targets for expanding renewable energy capacity and reducing the carbon intensity of its economy, while simultaneously ensuring a reliable, affordable and secure supply of electricity. Achieving these objectives requires coordinated efforts across the entire electricity value chain, including generation, transmission, distribution, system operation, energy storage, demand-side management and emerging clean-energy technologies.

In this context, CIGRE India, in association with CBIP, is organising this two-day National Conference to deliberate upon the opportunities, challenges and possible pathways for accelerating India’s sustainable energy transition and achieving carbon neutrality in the power sector.

The Conference aims to provide a forum for open discussions, exchange of knowledge and sharing of experiences, besides acquainting and updating concerned professionals and engineers with the latest developments, emerging technologies, best practices and challenges in the field of sustainable energy transition and carbon neutrality in the Indian power sector.

PROGRAMME PROFILE

The following broad topics have been identified for technical deliberations during the Conference:

- Renewable energy integration and management
- Grid stability, reliability and resilience
- Energy storage and system flexibility
- Green Energy Corridors and transmission planning
- Decarbonisation of the power sector
- Carbon neutrality and emission reduction strategies
- Digitalisation, Artificial Intelligence and smart-grid technologies
- Green hydrogen and emerging clean-energy technologies
- Energy efficiency and demand-side management
- Electric mobility and sector coupling
- Advanced protection, control and automation
- Power-system planning and operation under high renewable penetration
- Regulatory, policy and market mechanisms for energy transition
- Innovative financing and investment models
- International experience and best practices
- Any other relevant topic related to sustainable energy transition and carbon neutrality in the Indian power sector

PRESENTATIONS BY EXPERTS / CALL FOR PAPERS

Eminent experts and senior professionals from CEA, POWERGRID, GRID-INDIA, State Transmission Utilities, Power Utilities, leading equipment manufacturers, technology providers, system operators and other relevant organisations are being invited to deliver expert presentations/lectures during the Conference.

In addition, professionals and experts interested in making presentations or presenting case studies on any of the above or other relevant topics related to the theme of the Conference are invited to submit their contributions for consideration.

Contributions based on practical experience, innovative technologies, field applications, successful implementation, operational experience, research findings, case studies and practical solutions are particularly encouraged.

Interested professionals are requested to submit their full-length paper and/or presentation (PPT) to CBIP for consideration. Selected contributions will be scheduled for presentation during the technical sessions of the Conference. Submission of Full-Length Paper / Presentation (PPT): 5 December 2026

CALL FOR PARTICIPATION

CBIP and CIGRE India cordially invite all concerned professionals and organisations to participate in the Conference, share their technical expertise, present innovative solutions and contribute valuable field experience and case studies towards India's sustainable energy transition and the achievement of carbon neutrality in the power sector.

REGISTRATION FEE

All those who wish to participate in the conference are expected to register in advance by sending the details through email to the organizers along with payment of registration fee as indicated under:

1. Non – Member fee is Rs. 13,000/- per participant
2. Discounted fee for Members of CBIP/CIGRE-India is Rs. 11,000/- per participant
3. Special Discounted fee for Students is Rs. 2,500/- per student

GST @ 18% shall be charged extra GST No. 07AAAJC0237F1ZU

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 arrangements for travel, boarding and lodging etc.

All payments be made through cheque at par in favour of „Central Board of Irrigation & Power“, payable at Delhi or amount deposited/ transferred to HDFC Bank, CBIP A/c no. 00031110004411, MICR No. 110240001, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi.

After making of the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

DATE AND VENUE

The conference will be held on 16–17 Dec. 2026 (Wednesday and Thursday) at Conference Hall, CBIP, New Delhi. 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 16 December 2026.

SPONSORSHIP OPPORTUNITIES

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. Main banner and other publicity material related to conference and will have the privilege of distribution of their product's pamphlets/catalogues during the event. 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/-
• 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	• 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.	• 03 delegate passes for participation in the Conference • Company logo on main Backdrop • Announcement – Thanking sponsor

KEY CBIP OFFICIALS

Dr. Deepak Saigal, Secretary, CBIP

Shri Sanjeev Singh, Principal Advisor (Energy), CBIP

Shri Anoop Singh, Director (Energy), CBIP

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

16–17 December 2026, CBIP, New Delhi

(To be filled in block letters preferably)

Signature _____

- 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.