



*National Conference on*

# *New Technology for Carbon Neutrality and Digitalization*

*(Under the aegis of CIGRE NSC B3 on Substations and Electrical Installation)*

**Date: 6<sup>th</sup> – 7<sup>th</sup> July 2023**

**Venue: CBIP Conference Hall, New Delhi**

Organized By



## **ANNOUNCEMENT**

The Central Board of Irrigation & Power jointly with CIGRE-India is organising National Conference on “New Technology for Carbon Neutrality and Digitalization” on 6 – 7 July 2023 at Conference Hall, CBIP, New Delhi.

## **CONFERENCE OBJECTIVE**

The electrical grid in India is continuously evolving. Electrical Power Substations are facing new challenges like climate change, voltage stability with addition of renewables, higher short circuit currents, ageing assets, retiring workforce (subject matter experts), new technology integration. Conventional way of planning, design, construction and O&M can not help us to deal with various local and global issues. India is committed to achieve the goal of carbon neutrality by 2070. There are various initiatives which have been taken in India to achieve the targets.

This conference focuses on new technology solutions including digitalization, which can help decision makers, planners, practicing engineers, research scholars and academia to integrate green initiatives in Indian Grid and also deliberate on the ways to ramp up the adoption of new technology solutions to achieve our carbon neutrality targets ahead of time. Conference will also give a good opportunity to discuss on existing site issues with various National experts from various Utilities, OEM and academia. It will help to identify the areas of collaborative working between industry and academia, developing new solutions for country from country.

## **CALL FOR PAPERS**

The Eminent experts from Utilities and Industries on the subject have been invited to deliver expert lectures during the Conference. The professionals who desire to make presentations/case studies on the above subject are also welcomed.

## **TOPICS TO BE COVERED BUT NOT LIMITED TO:**

- Green Switchgear – Use of non SF6 gas
- Digital substation
- Innovative technologies to reduce total cost of ownership and to foster the energy transition
- New competencies for new technologies, knowledge transfer methods and high standards of education in engineering skills
- Solutions for less SF6 leaks in GIS
- New materials usage in substation
- Use of Drones, image analytics for asset longevity
- Asset Performance management
- Data analytics in substation
- Enhancing safety with digitalization
- New substation designs promoting carbon neutrality
- Role of 3D printing in substation
- Upgrading old substations toward carbon neutrality
- Building resiliency through digitalization
- People development for assimilating new technologies in substation.

## **TIME LINES**

- Last date of receipt of full-length paper/PPT : 16<sup>th</sup> June 2023
- Intimation of acceptance of paper : 20<sup>th</sup> June 2023

## **WHO SHOULD ATTEND**

The conference will be of special interest to:

- Planners, Independent power producers, Operators, Consultants, Electrical Contractors, OEM
- Researchers / Academicians, Manufacturers, Power Utilities / Corporations, State Govt. / SEBs, etc.

## **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. 12,000/- per participant
2. Discounted fee for Members of CBIP/CIGRE-India is Rs. 10,000/- 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 6 – 7 July, 2023 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 6 July 2023.

## 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. 5,00,000/-	Gold Sponsor : Rs. 3,00,000/-	Silver sponsor : Rs. 2,00,000/-
<ul style="list-style-type: none"> <li>10 delegate passes for participation in the Conference</li> <li>Speaking Opportunity</li> <li>Invitation to the key person of the organization as special invitee during Inaugural session</li> <li>Circulation of Company Literature during the event</li> <li>Company logo on main backdrop and other banners</li> <li>Company logo on Cover page of Proceedings Volume</li> <li>Advertisement (Prominent Position) in the Proceedings Volume</li> <li>Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.</li> <li>Announcement -Thanking sponsor</li> </ul>	<ul style="list-style-type: none"> <li>05 delegate passes for participation in the Conference</li> <li>Company logo on main backdrop and other banners</li> <li>Company logo on Cover page of Proceedings Volume/ Base Paper</li> <li>Advertisement in the Proceedings Volume</li> <li>Circulation of Company Literature during the event</li> <li>Announcement - Thanking sponsor</li> <li>Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.</li> </ul>	<ul style="list-style-type: none"> <li>03 delegate passes for participation in the Conference</li> <li>Company logo on main Backdrop</li> <li>Company logo on Cover page of Proceedings Volume/ Base Paper</li> <li>Announcement – Thanking sponsor</li> </ul>

## ABOUT CBIP

The Central Board of Irrigation and Power (CBIP), a premier institution, was constituted in 1927 by the GoI. It is serving the Nation in the disciplines of Water Resources, Power and RE Sectors for more than 95 years.

The main objective of CBIP is dissemination of technical knowledge through various modes, such as :

- Organizing National and Intl. Conferences, Symposiums, Conf. and Workshops, training programme etc.
- Publication of technical documents e.g., manuals, technical reports, guidelines and journals etc.
- To provide info. about technological developments to the engineers/professionals and other stake holders.

## ABOUT CIGRE NSC B3

The scope of the SC B3 covers entire life-cycle of substation assets; from conception, through research, development, design, production, deployment, maintenance, operation, and end-of-life and emission management. All issues of performance, specification, testing, monitoring and the application of diagnostic testing techniques are within scope, with a specific focus on the impact of changing demands for substations due to increased impact of clean energy transition. Safety and life cycle condition assessment techniques, health indexing, risk management techniques, knowledge transfer and education within the substation not specifically covered under another equipment study committee"s scopes.

## CIGRE AND THE COMMITTEE FOR CIGRE-INDIA

The International Council on Large Electric Systems (CIGRE), with its Headquarters at Paris deals in the field of generally Transmission, Distribution and Renewable Energy. It functions through 16 Study Committees formed for various disciplines of Power Systems. Each Study Committee comprises about 24 experts drawn from various countries. In addition, some more experts are members of the Working Groups/Task Forces formed by these Study Committees. It is a matter of pride that India is represented in all the 16 CIGRE Study Committees as regular observer member.

CIGRE (Paris) has about 14000 members from 100 countries. Where ever there are more than 40 equivalent members in any country a National Committee is formed with the following aims:

- To disseminate the technical information to the members of the national committee.
- To propose papers for presentation at CIGRE sessions
- To organize representation in CIGRE session / symposia.
- To encourage membership of CIGRE from India.

CIGRE (India) is an affiliate of Central Board of Irrigation and Power. It is the Indian National Committee of CIGRE and is a registered society. It co-ordinates the activities of CIGRE in India, through a number of National Study Committees and disseminates the information about the activities of the CIGRE Study Committees and Working Groups to various organization in India.

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## REGISTRATION FORM

(To be filled in block letters preferably)

1. Name : \_\_\_\_\_

2. Position : \_\_\_\_\_

3. Organization : \_\_\_\_\_

4. Address : \_\_\_\_\_

5. Phone : \_\_\_\_\_ Fax No. \_\_\_\_\_

6. Email : \_\_\_\_\_

Dated \_\_\_\_\_

Signature \_\_\_\_\_

### Details/ Amount of Registration fee Paid:

All payments should be made by cheque at par/Demand Draft drawn in favour of "Central Board of Irrigation and Power", payable at New Delhi OR by transfer the amount to HDFC Bank, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi 110001; Saving BankAccount No. : 00031110004411; Swift Code: HDFCINBBDEL; IFSC: HDFC 0000003; MICR Code: 110240001.

(GST No. 07AAAJC0237F1ZU).

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

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

### CONFERENCE SECRETARIAT

**Shri A.K. Dinkar, Secretary, CBIP**

**Shri Sanjeev Singh, Director, CBIP**

**Contact Person : Shri Vishan Dutt**, Chief Manager (Tech.), CBIP, M: 9811431554

E-mail : vishandutt@cbip.org; vishan.dutt.cbip@gmail.com

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

Central Board of Irrigation & Power (CBIP), Malcha Marg, Chanakyapuri, New Delhi -110 021

Phone: 011-26115984/ 26116567 Fax: 011 2611 6347; E-mail: cbip@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.