



International Conference on ***Transmission & Distribution Equipment's***

Under the aegis of CIGRE Study committee A3 on T&D Equipment's

Date: 22nd – 23rd February 2024

Venue: Hotel Le Meridien, New Delhi (India)



ANNOUNCEMENT

The Central Board of Irrigation & Power jointly with CIGRE India is organizing International Conference on “Transmission & Distribution Equipment’s” on 22nd – 23rd February 2024 at Hotel Le Meridien, New Delhi. This International Conference is being organised under the aegis of CIGRE National Study Committee A3 on T&D Equipment’s.

AIM & OBJECTIVE OF THE CONFERENCE

Grid operators aim to optimize the performance and stability of power transmission and distribution (T&D) systems with advanced equipment and services.

Today’s electric power system was designed for efficiency, reliability, ease of operation, and to meet consumer needs at minimum cost. The grid of the future must maintain these characteristics while meeting a number of new requirements: supporting the integration of various clean and distributed energy technologies, meeting the higher power-quality demands of modern digital devices, and enabling consumer participation in electricity markets. Increasing the projected penetration levels of variable renewable resources, distributed generation, community energy storage, electric vehicles, and the number of active customers will require substantial changes to how the grid and its various components are designed, controlled, and protected.

Professionals in the power T&D industry require a range of equipment and accessories that are purpose-built, high performing and reliable. Operating under different standards and requirements, each grid operator aims to achieve efficient power flow, while managing system-wide voltage levels and dynamically adjusting the distribution system to prevent system losses or grid failures.

Modern power systems are evolving at a great pace to tackle challenges related to the efficient integration of distributed electricity generation, electric vehicles, and zero energy buildings. Sophisticated control algorithms as well as information communication technology are required to support this transformation. Furthermore, high voltage direct current (HVDC) transmission lines are in use to transport energy at longer distances. The increasing penetration of distributed electricity generation presents several issues that may impact the performance of distribution networks. These issues can limit the hosting capacity and may increase power quality problems. Moreover, new loads such as electric vehicles and battery storage systems provide an opportunity for a more flexible operation of the distribution network. The international Conference on the subject are expected to provide valuable input for advanced research topics related to modern electric power systems, with a prime focus on transmission and distribution equipments.

The main topics of interest include but are not limited to the following subject :

PS1 : Lifetime Management of Transmission & Distribution Equipment

- Diagnostics and prognostics of equipment.
- Incorporation of intelligence into AC and DC equipment.
- Influence of environmental and operating conditions.
- Premature failures & their prevention in instrument transformers
- Experience and countermeasures for over-stresses and overload.
- Case study

PS2 : Impact of Distributed Renewable Generation and Storage on Transmission & Distribution Equipment

- New and emerging technologies for switching devices and other equipment.
- Impacts of distributed renewable energy sources and energy storage on equipment requirements.
- Trends and solutions for modular, prefabricated and quick assembly substations
- Renovation, refurbishment, expansion and up-rating of substations
- Measures to improve reliability.
- Case study

PS3 : Future Developments of Transmission & Distribution Equipment

- Requirements for DC equipment for multi-terminal HVDC grids.
- Designing Distribution equipment ready for the future.
- Developments of equipment with reduced environmental impact.
- Switching with SF6 alternatives, equipment with new materials.
- New and emerging technologies for switching devices and other equipment.
- Case study

All synopsis /papers that are within the scope will be accepted, and authors should be prepared to present a summary of their papers and to answer questions from the audience in the conference. The Organizing Committee however reserve the right to identify papers that are not directly within the discussion stream and to publish these without presentation or discussion.

Submission of Synopsis

Participants wishing to present papers are invited to submit their synopsis (Minimum 500 words) to the contact address given below:

Shri A.K. Dinkar, Secretary & Treasurer, CIGRE India - cbip@cbip.org; vishandutt@cbip.org; batra@cbip.org

Each synopsis must indicate the topic that will be addressed. The name, Title, Company, Affiliation, Email and full address and brief CV of the author shall also be given.

Language : The papers must be written in English

Time Lines:

- Last date of receipt of full-length paper/PPT : 10th January 2024
- Intimation of acceptance of paper : 14th January 2024

DATE AND VENUE

The conference will be held on 22-23 February 2024 in Hotel Le Meridien, New Delhi (India). 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 22nd February 2024.

REGISTRATION FEE

This conference shall be a hybrid event for International Speaker with live streaming for more International Experts to connect and share information. All those who wish to participate or present paper 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. 20,000/- per participant
2. Discounted fee for members of CBIP is Rs. 16,000/- per participant
3. Companion / Student / Faculty is Rs. 6,000/- per participant

GST @ 18% shall be charged extra.

Please arrange to furnish the details like UTR, Organization name, etc. to CBIP Sectt. after making the online payment at the earliest possible.

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.

Registration Fee can be paid through cheque/ DD in favour of “CIGRE India” or through bank transfer. The Details for the same are as under:

Vender Name	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		
IFSC code of branch	CNRB0000157	MICR No. : 110015007	Account No. : 0157101031491
Type of account	Special Saving Account	PAN No. : AAAAZ0260A	GSTIN : 07AAAAZ0260A1Z1

CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisements in the Conference proceedings is available at the following rates:

Position	Charges for Colour Advertisements	
	SAARC countries (Indian Rs.)	Other countries (US\$)
Back cover page	50,000	600
Second or third cover page	30,000	350
Full page (20 cm x 10 cm)	15,000	250

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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/-
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CONFERENCE SECRETARIAT

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REGISTRATION FORM

(To be filled in block letters preferably)

Delegate _____
(Surname) (First Name)

Designation _____

Name of Organisation _____

Mailing Address _____

City _____ State _____ PIN _____

Phone _____ Mobile _____ Fax _____

E-mail _____

Dated _____

Signature _____