

ORGANIZERS

IN ASSOCIATION WITH

TUTORIAL CONDUCTED ON



India

CIGRE-India



CBIP



Microsoft Teams

TUESDAY

3<sup>RD</sup> NOVEMBER 2020

15:00 Hrs. (90 Minutes)

PLEASE JOIN US

International Tutorial (Online)

# Guidelines for Altitude Correction of Pollution Performance of Insulators



**Mr. Igor Gutman**  
*Sweden*

## TAKEAWAYS

- Physical principles related to the influence of air density on the discharge process:
  - Clean conditions
  - Polluted conditions
- Status of correction on altitude in IEC/CIGRE:
  - AC
  - DC
- Collection and analysis of all available data on flashover voltages of polluted insulators:
  - Different altitude from sea level to 6000m
  - Covering the period of publications 1987-2010
- Practical proposals for harmonization of the correction of the required creepage distance for altitude:
  - AC
  - DC

## INTERNATIONAL SPEAKER FROM CIGRE

Received his Ph.D. Degree in High Voltage Engineering from State Polytechnic University, Leningrad, Russia. Has close to 40 years of Professionals experience in electrical engineering:

HVDC Research Institute Leningard, Russia, 1981-1993 (Senior Researcher)

PPEIU, Russia, 1989-1993 (Lecturer and Docent)

“Composite Insulator”, Russia , 1992-1993 (Consultant)  
STRI, Sweden), 1994-2017 (Senior Expert and Manager Insulation)

Since October 2017 works for Independent Insulation Group in Sweden (Senior Expert Insulation and Marketing Director)

Published more than 250 technical papers, Distinguished Member of CIGRE, member of Swedish IEC TC 36 “Insulators”, Senior Member of IEEE, member of several CIGRE/IEC WG/MT (CIGRE B2.57, B2.69, B2.73; IEC WG 11, MT 18 and 24).

## ABOUT CIGRE AND CIGRE-India

The International Council on Large Electric Systems (CIGRE), with its Headquarters at Paris deals in the field of Transmission and Generation. It functions through 16 Study Committees formed for various disciplines of Power Systems. Each Study Committee comprises about 30 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 member.

CIGRE (Paris) has about 14000 members from 100 countries. Wherever 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 encourage membership of CIGRE
- To organize representation in CIGRE session / symposia.

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. From India there were 820 equivalent members for CIGRE in the year 2019.

## UNIQUE FEATURES OF ONLINE PRACTICAL TRAININGS

- Training with high safety of participant's w.r.t. COVID-19 as no travel & travel related cost is involved.
- Expert's Panel discussions within participants.
- Learning and working balance as our sessions are planned for 2 hours in a day.
- Well proven online platform with high cyber security.
- Live message chat, live voice chat, polls and quiz.
- Real time engagement.
- E-Certificates to the participants.

## FACILITATION CHARGES

The duration for online training will be of 1 hr. 30 min. will be for technical session followed by 30 minutes for question/ answer session.

Category	Charges in INR	
	Members (CBIP/CIGRE)	Non Members
Individual Login	1,000/-	1,200/-
Institution Logins		
Up to 10 Login	9,000/-	11,000/-
Up to 15 Login	13,000/-	15,000/-
Up to 25 Login	20,000/-	22,000/-
Students	500/- per login	
First 25 students will be given one year membership of CIGRE to have access to 10,000 Technical Report available on e-CIGRE library.		
Note: 18% GST extra for all categories.		

The program is limited to 200 participants, which will be on First cum First serve basis.

## INDIAN REPRESENTATIVE IN CIGRE SC D1 ON MATERIALS AND EMERGING TEST TECHNIQUES



Dr. Bishnu Prasad Muni  
General Manager  
Bharat Heavy Electricals Limited

## TO REGISTER

The perspective participants, desirous of attending the above training may register themselves by sending the following details to CIGRE-India along with necessary facilitation charges:

Title of Training \_\_\_\_\_; Name: \_\_\_\_\_;  
Designation: \_\_\_\_\_; Organization: \_\_\_\_\_;  
Mailing address: \_\_\_\_\_; Phone / Fax/E-mail: \_\_\_\_\_

**Note: After registration, the participants will be provided the link 1 day prior to the session. Registered participants may please contact for link to join the program at:  
Mr. Uttam Rawat, Software Engineer, Mob: 9818981610  
Mrs. Rohini, Office Coordinator, Mob: 8860874012**

Vender Name: (GST No. 07AAAAZ0260A1Z1)

THE COMMITTEE FOR THE INTL CONF ON LHVES

Bank Name: Canara Bank, 7/48, Malcha Marg, Chanakyapuri, New Delhi-110021

Account: Saving; Bank Account No.: 0157101031491;

IFSC: CNRB0000157; MICR: 110015007;

PAN: AAAAZ0260A; Swift: CNRBINBDFS

## ADDRESS FOR CORRESPONDENCE

Sh. A.K. Dinkar, Secretary, CIGRE-India & CBIP

Sh. A.K. Bhatnagar, Director, CIGRE-India & CBIP

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Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi - 110021

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E-mail: [cbip@cbip.org](mailto:cbip@cbip.org)

## JOIN CIGRE TO CONNECT WITH GLOBAL POWER SYSTEM COMMUNITY

Please Contact:-

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Chief Manager-Tech., CIGRE-India

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E-mail: [vishandutt@cbip.org](mailto:vishandutt@cbip.org)