

International Tutorial (Online)

Indian Power System & Relevance of CIGRE SC D2 Activities

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

27th January 2021 at 11:30 hrs. (90 Minutes)

Organizer



In Association With



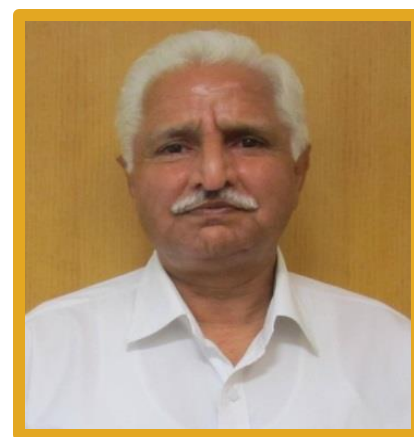
Tutorial Conducted on



Dr. Olga Sinenko
Chair, CIGRE SC D2, Paris

Shri Debasis De
Chairman, CIGRE NSC D2 & ED, NLDC, POSOCO

EMINENT SPEAKER



Shri N.S. Sodha
Advisor, Strategic Advisory Group (SAG)
of CIGRE SC D2, Paris
Former Chairman, CIGRE NSC D2 &
Former Executive Director (Load Dispatch &
Communication), POWERGRID

TAKEAWAYS

CIGRE SC D-2 Committee broadly deals with ICT applied to Digital networks from UHV to Distribution (Smart meter, IoT, Big Data, and EMS etc.). Communication solutions for information exchange in the Smart delivery of Electrical energy. Interoperability and data exchange between network operators, market players, off-grid premises. Cyber security issues from field equipment to corporate IT (Governance constraints, System design, implementation, testing, operation and maintenance). Technologies and architecture to ensure business continuity and disaster recovery. IT systems to support the decision-making process in Asset Management.

“One Nation One Grid” Indian Power System has seen enormous growth with RE growing at fast pace & ICT Technology played pivotal role in transforming Indian Power System to “Smart Grid”. First webinar in this series will cover-How Indian Smart Power Grid is managed 24x7 with challenges faced in recent years? How Smart ICT interventions gradually changed Grid Operations? How CIGRE SC D-2 Activities are relevant in reforming Generation, Transmission & Distribution Sectors? This Webinar series will certainly benefit all Power Sector engineers in understanding Smart Grid, ICT, Cyber Security etc.

Shri N. S. Sodha, born in Nov. 1954, graduated in Electrical Engineering with Honours from Malaviya Regional Engineering College (MNIT), Jaipur in 1976. He also holds a PG Business Management Degree. He was trained in Senior Level Management Programs at ASCI, Hyderabad, IIM, Ahmedabad, IIM, Calcutta, IIM, Lucknow & International Management Programs in UK & USA. Shri Sodha has rich experience of over 44 years in Indian Power Sector having contributed immensely in Project Implementation, Operation, Maintenance, Renovation and Modernization of EHV Transmission Lines & Substations, System Operation through Load Dispatch Centre & Design and Engineering of Load Dispatch & Communication facilities. During his long tenure, he has worked with multinational M/s HBB Ltd (Now ABB Ltd) and PSU giants like NTPC Ltd and Power Grid Corporation of India Limited thus bringing in best experience of both sides to Indian Power Sector. His contributions in Project Implementation and Standardization of the policy and procedures for Operation and Maintenance of EHV Transmission System, Electrical Safety Management, Grid Management & Smart Grid is noteworthy. He travelled abroad extensively visiting many countries globally on various assignments as part of Ministry of Power/PSU delegation as Power System & Smart Grid Expert. He has published & presented more than 150 Technical papers on Power System, T&D & Smart Grid in various National and International forums like CIGRE, Paris, Smart Grid Week & Doble, USA. He was heading, as “Executive Director”, the Load Dispatch and Communications Department of POWERGRID & was responsible for design and implementation of Power System Control Centers [SCADA/EMS] and OPGW Communication Network at National, Regional and State levels. He actively spearheaded the POWERGRID foray into Smart Grid area in Indian Power Transmission & Distribution Sectors. He also represented POWERGRID on “India Smart Grid Task Force” constituted by ‘Ministry of Power’, Govt. of India for coordinating efforts on building Indian Smart Grid Road Map, Smart Grid Regulations & policy matters on “Smart Grid Pilot Projects” & “Cyber Security” for Indian Power System.

He was Former Chairman, ETDC {Electro-Technical Divisional Council} of BIS & currently Chairman, ETD-50, LVDC Systems & ETD-10, Battery Systems, BIS Committees. He was also heading CIGRE, Paris National Study Committee NSC D-2 for 6 years. Currently he is one among three Experts in Strategic Advisory Group (SAG) of CIGRE, SC D-2, Paris. Shri Sodha is a Senior Expert Faculty for Power Sector Engineers on EHV Power Systems, AIS/GIS Substations, Asset Management, Smart Grids, SCADA & Automation Systems, Cyber Security, System Operation, Grid Management etc. Currently he is “Senior Advisor & Consultant” on Power Transmission & Distribution, Smart Grids & Smart Cities & helping Indian Power Sector at various forums with his rich experience.

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 tech. session followed by 30 min. for question/ answer session.

Category	Charges in INR	
	Members (CIGRE/CBIP)	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 10,000 Technical Reports 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.

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: CNRBINBDDFS

ADDRESS FOR CORRESPONDENCE

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

Nodal Officer:

Mr. Vishan Dutt, Chief Manager-Tech., CIGRE-India

Mob: 9811431554, E-mail: vishandutt@cbip.org

Mr. S.K. Batra, Chief Manager-Tech., CBIP

Mob: 9811943812, E-mail: batra@cbip.org

Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi - 110021

Phone: 011 26115984/26116567, Fax: 011 2611 6347;

E-mail: cbip@cbip.org

JOIN CIGRE TO CONNECT WITH GLOBAL POWER SYSTEM COMMUNITY

Please Contact:-

Mr. Vishan Dutt

Chief Manager-Tech., CIGRE-India

Mob: 9811431554

E-mail: vishandutt@cbip.org