

International Tutorial (Online)

Integration of Renewables to the Grid: Challenges and solutions to overcome variability and intermittency

Under the aegis of CIGRE NSC C2 on System Operations and Control

15th January 2021 at 1400 – 1545 hrs.

KEY SPEAKERS



MR. VINAY SEWDIEN, NETHERLAND

Vinay Sewdien was born on 18 November 1990 in Paramaribo, Suriname. He obtained his Bachelor of Science degree in degree in Electrical Engineering in 2011 from the Anton de Kom - Universiteit van Suriname and his Master of Science degree in Electrical Engineering (cum laude) from the KU Leuven in 2013. Since his graduation, Vinay is with the Dutch-German transmission system operator TenneT TSO B.V. He is currently a policy advisor in the System Operations Development team, working on the impact assessment of the energy transition on system operation and the development of new concepts and methodologies for maintaining operational reliability. In January 2016 Vinay joined the Intelligent Electrical Power Grids group at the Electrical Engineering, Mathematics and Computer Science Faculty of the TU Delft as a part-time PhD researcher. From August 2016 to August 2020 he was also the Technical Secretary of CIGRE's international study committee on Power System Operation and Control. Vinay is a member of CIGRE and IEEE and actively contributes to several working groups.

MR. M. VENKATESHAN, CHIEF MANAGER



M. Venkateshan is presently working as Chief Manager at SRLDC and is responsible for the Renewable Energy Management Centre (Operation), Real Time Security Desk & Regulatory affairs. Earlier he had looked after the functions related to Real Time Grid Operation, SCADA, Publishing of Technical Documents like Restoration Procedure, Operating Procedure etc, other System operation function like Black Start Restoration Mock drill, Reactive Power Testing of Generators, Primary Response Testing and Instrumental in various Software Development. He also Holds a valid System operator Specialist certificate in Regulatory Framework, System Reliability & system Logistic. He has earlier worked in operation of Chamara Hydro Electric Project Stage II of NHPC, 5+ years of Private sector experience in DG sets and O & M of Naptha Based Power plants. He has done his graduation in Electrical & Electronics Engineering in 2002 from BMS Evening College of Engineering, Bangalore. His fields of interest are Regulatory Affairs, Renewable integration, Power System Operation and IT.

Chairman CIGRE NSC C2 & National Representative in CIGRE Study Committee C2 on System Operations & Control



K.V.S. Baba

Chairman and Managing Director POSOCO Limited

TAKEAWAYS

- Challenges in power system operation with high share of renewable energy sources and way forward
- Forecasting, Scheduling and Imbalance settlement for integration of renewable energy-based generation in large interconnected systems

ORGANIZER



IN ASSOCIATION WITH



TUTORIAL CONDUCTED ON



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

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ADDRESS FOR CORRESPONDENCE

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

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