

National Tutorial on Advances in Power System Protection Applications

Under the aegis of CIGRE NSC B5 on Protection and Automation
3-5 November 2020 at 1500 - 1630 hrs.



KEY SPEAKER



Shri Sanjay. G. Patki

Former Vice President with Tata Power, Mumbai, He has 42 years of experience in various Roles in Generation, Transmission, Distribution and Technical Services.

Sh. Patki has contributed several Technical Papers in National and International conferences and participated in several committees/working groups at national and international level. He was Chairman of CIGRE India committee on Protection and Automation and chaired the expert group of CBIP for preparing the Manual on Power system Protection and Automation. He was awarded by CIGRE, Paris as Distinguished Member.

TAKEAWAYS



Relay Coordination for High Reliability of Power system

Modern protection relays and control systems have much improved sensitivity, selectivity and speed. Importance and difficulty of coordination increases with the size and complexity of the power system. Power system engineers have had to make increasing efforts to maintain the reliability of the power systems, and coordination between relays. Since no single protection relay gives complete and selective protection for every kind of fault, coordination between relays is necessary to fully protect the power system and to avoid undesirable trippings. This webinar specifically targets coordination issues based on the practical experiences and accumulated knowledge of engineers. The participants will get insights into coordination issues at interface between Generator and Transmission network, Short and long lines, Lines and Transformers, Back up protection coordination ,system protection etc.



Optimization of protection Performance during power system Disturbances

When system faults occur, their rapid clearance by protection relays is essential to prevent the onset of a wide area disturbance. While the initial incidents that trigger the disturbances vary, the ultimate result could be voltage instability, transient and frequency instability, cascade tripping due to overloading (by either active or reactive power flows). The response of protection and control system would depend on the sensitivity and proper coordination. The webinar would provide insights into best practices regarding technical solutions, settings and coordination for optimizing the response from various functions in protection and control systems in disturbed power system.



Advanced Features in Numerical Relays for improved performance of Power system Protection

The large power system has many complexities and various types of fault conditions. While most power system abnormalities are well known, the previous generation of Relays had technology limitations in dealing with such abnormalities. Powerful processing power of Modern Numerical Relays have enabled many advanced features that can greatly improve the performance of relays in dealing with various types of fault conditions. This webinar would provide the participants insights into some of the advanced features and improve the understanding for applications of the same in dealing with issues.

ORGANIZERS



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CBIP'S MAIN OBJECTIVE IS

- to disseminate technical knowledge through various modes, e.g., publication of technical documents, organizing conferences /workshops.
- to provide specialized training to the professionals in the Power, Renewable Energy and Water Resources Sectors.



UNIQUE FEATURES OF ON LINE PRACTICAL TRAININGS

- Training (almost near to face to face) with high safety of participant's w.r.t. COVID-19 as no travel & travel related a cost is involved.
- Demonstration of practical aspects through videos.
- Experts Panel & Working Group discussions within participants.
- Virtual tour to Manufacturing shops.
- Learning and working balance as our sessions are planned for 2-3 hours per 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 each on line training will be of 3 days (2 hrs. on each day) out of which 1hr 30 minutes will be for technical session followed by 30 minutes for question/ answer session.

Category	Fee in INR	SPONSORSHIP FEE
Individual Per Login	3,000/-	Platinum Sponsor: Rs. 50,000/- and Gold Sponsor: Rs. 30,000/-
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Up to 05 Login	13,500/-	
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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. 20% discount to CBIP / CIGRE Members.		

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 CBIP along with necessary payments:

Title of Training, Name, Designation, Organization, Mailing address, Phone / Fax/E-mail

Note: 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 (GST No. 07AAAJC0237F1ZU)

Payments of registration fee 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 Bank Account No.: 00031110004411; Swift Code: HDFCINBBDEL; IFSC: HDFC 0000003; MICR Code: 110240001.

ADDRESS FOR CORRESPONDENCE

Sh. A.K. Dinkar, Secretary, CBIP

Sh. A.K. Bhatnagar, Director, CBIP

Nodal Officer : Sh. S.K. Batra, Chief Manager, CBIP, M: 9811943812, E-mail: batra@cbip.org

Sh. Vishan Dutt, Chief Manager, CBIP, M: 9811431554, E-mail: vishandutt@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

