



Hands-on Training

# Busbar Protection

Date: 10<sup>th</sup> – 12<sup>th</sup> June 2024

Venue: Siemens Power Academy, Goa

*Organized by*



New Delhi  
ISO 9001:2015

CENTRAL BOARD OF IRRIGATION & POWER

*In association with*

# SIEMENS

## BACKGROUND

Central Board of Irrigation & Power (CBIP) a premier Institution, setup by GOI in 1927 is serving the nation in the disciplines of Power, Renewable Energy and Water Resources Sectors for more than 96 years.

It is an exchange and knowledge bank for dissemination of technical knowledge & professional experience to help Engineers/ Professionals to update their knowledge and gain practical know-how.

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, RE and Water Resources Sectors.

CBIP realizing the importance of competency development and with the aim to create large reservoir of highly qualified manpower in all fields related to engineering, technology & technology management has recently signed a MoU with Siemens Limited for jointly providing hands-on training to the professionals for skill development.

Hands-on training will help participants to explore and see the concepts working in the field. These trainings will help the participants to effectively perform with higher productivity and bridge the gap between today's industry demand of highly adaptive workforce and competency development needs thereby creating excellency in the industrial working.

It is with above aim the CBIP is organizing a Hands-on Training on "Busbar Protection" from 10-12 June 2024. The eminent faculties from Siemens Limited and other invited experts on the subject will deliver the presentations covering following topics:

- Busbar protection basic concepts with various bus system
- Principle of Bus Bar Application (CBF / End Fault)
- Parameter explanation of 7SS52(Decentralized)
- Configuration preparation of 7SS52(Decentralized)
- Application and Exercises on Bus Bar Differentials
- Case Study
- Process data analysis (Fault Log and Fault Records Over Sigras)
- Overview about Digital Technologies in Busbar Application

**Venue for the Course:** Siemens Power Academy, Goa

## WHO SHOULD ATTEND

Users from power supply utilities and industrial enterprises who deal with the testing, commissioning and maintenance of busbar protection systems.

## COURSE FEE

The duration for the training will be for 3 days. The event is non-residential. Participants will have to make their own arrangements for travel, boarding and lodging etc.

The registration fee will be Rs 30,000/- per participant + 18% GST shall be charged extra. The fee will cover the professional fees; site visit including Hands on/Demo in the Lab; working lunch; Tea/coffee/snacks during the course.

**Registration shall be done on first come first serve basis. First 24 candidates will be registered for First batch, others in subsequent batches on the dates as per mutual understanding.**

## TO REGISTER

The participants, desirous of attending the above training may register themselves by sending the Registration Form to CBIP along with necessary payments. Participants are advised to bring GST No, of their organization along with name of office to whom the invoice is to be sent.

## PAYMENT

All payments be made through cheque at par in favour of 'Central Board of Irrigation & Power', payable at Delhi or amount deposited/ transferred to HDFC Bank, CBIP A/c no. 00031110004411, MICR No. 110240001, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi – 110001 (CBIP GST No. 07AAAJC0237F1ZU)

**After making of the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.**

## ADDRESS FOR CORRESPONDENCE

**Shri A.K. Dinkar**, Secretary, CBIP

**Shri Sanjeev Singh**, Director, CBIP

Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi - 110021

Phone: 011-26115984/2687 6229/2688 0557 Fax: 011-2611 6347, E-mail: [cbip@cbip.org](mailto:cbip@cbip.org)

**Nodal Officer:** Shri S.K. Batra, Consultant, CBIP – M: 9811943812, E-mail: [batra@cbip.org](mailto:batra@cbip.org); Website: [www.cbip.org](http://www.cbip.org)

# SIEMENS

Siemens has been a torch bearer to bridge the gap between academia and industry collaborating with academic pioneers to create a better India for tomorrow

## The Right Infrastructure

- **Practical, hands-on training** is crucial for the professionals. Tailor-made **Lab Infrastructure Solutions** from Siemens ensures that the professionals are equipped with practical skills to address industrial applications.
- **Power System Labs:** Study the effect of protection devices and various equipment's on power systems.
- **Grid Simulation Labs:** Simulate an entire grid and monitor static and dynamic effects in real world applications.
- **Microgrid Labs:** Study the effect of multiple sources and renewable integration on the power systems.

## Knowing the Industry

The best way to keep up with industrial updates is to have strong industry-institute partnerships.

**Siemens Center of Excellence** aims at setting up technology hubs at institutions with a focus on learning and close industry interactions via factory visits, hands on training etc.

## Pragmatic Learning Approach

State-of-the-art lab infrastructures ensure that the professionals receive training, not only based on quality, but also on excellence.

**Siemens Power Academy** offers a plethora of in-person and web-based trainings to keep the trainee up to date. Power academy offers:

- High-quality programs with a high percentage of hands-on training.
- Standard and special training, workshops and training programs.
- Certified trainers, latest teaching and learning methods.
- Access to expert knowledge and long-term experience.



# Hands-on Training

# Busbar Protection

10<sup>th</sup> – 12<sup>th</sup> June 2024

Siemens Power Academy, Goa

## REGISTRATION FORM

(To be filled in block letters preferably)

1. Name : \_\_\_\_\_
2. Position : \_\_\_\_\_
3. Organization : \_\_\_\_\_
4. Address : \_\_\_\_\_
5. Phone : \_\_\_\_\_ Fax No. \_\_\_\_\_
6. Email : \_\_\_\_\_

Dated \_\_\_\_\_

Signature \_\_\_\_\_

**Note:** Reporting time on first day 9:15am at training location. Training duration from 9:30 am to 4:30 pm

We are looking forward to meeting you in our training facility at Goa!

Location: SIEMENS ENERGY AUTOMATION

Address: Power Academy India, Siemens Energy Automation, L-6, Verna Industrial Estate, Verna Salcete, 403722 Goa, India

Please note Dabolim Airport is the nearest airport for traveling.

### ON-LOCATION COORDINATOR

Mr. Fedrick Rodrigues

Email: [fedrick.rodrigues.ext@siemens.com](mailto:fedrick.rodrigues.ext@siemens.com); Contact: +91 8329096079

### Note:

- Photocopies of the registration form can be used for additional requirements, if any.
- Spot registration facilities will also be available, provided the prior information is received.