

Hands-on Training

IEC 61850 and GOOSE Configuration

Date: 25th - 27th October 2023

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 95 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 "IEC 61850 and GOOSE Configuration" from 25th - 27th October 2023. The eminent faculties from Siemens Limited and other invited experts on the subject will deliver the presentations covering following topics:

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|---|--|
| • Introduction to IEC 61850 | • Client-Server |
| • Data Modelling | • Introduction to Process bus |
| • Substation Configuration Language (SCL) | • Hands on training on : Client-Server Exercises |
| • Hands on training on : Creating ICD, IID & CID files using an IED configuration tool | • Recent Trends: |
| • Networking & Communication services | Topdown engineering |
| • Generic Object-Oriented Substation Event(GOOSE) | IEC-62351 Cybersecurity applied to IEC-61850 |
| • Hands on training on :
Configuration of IEC 61850 data set and data structure
GOOSE Configuration & testing | |

Venue for the Course: Siemens Power Academy, Goa

WHO SHOULD ATTEND

This is an overview of substation automation hence meant for participants who are new to substation automation, less than 5 years' experience or from other domains like protection who wish to understand basic substation automation.

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

Nodal Officer: Shri S.K. Batra, Consultant, CBIP – M: 9811943812, E-mail: batra@cbip.org; Website: www.cbip.org

The image features the Siemens logo in a white box on the left. In the background, there are several pieces of industrial equipment, including a rack of SIMATIC 3000 modules and a large monitor displaying a complex power system diagram with various components like MV Bays, T01, T02, and a 26.26 kV busbar.

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

IEC 61850 and GOOSE Configuration

25th - 27th October 2023

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 _____

Details/ Amount of Registration fee Paid:

All payments 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. (GST No. 07AAAJC0237F1ZU).

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

Registration Form, duly filled in, is to be mailed to the following address:

The Secretary

Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Tel: 91-11-26115984/26116567 Fax: 91-11-26116347

E-mail: batra@cbip.org Web-site: <http://www.cbip.org>

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.