

# Hands-on Training on Renewable Sources and its Integration to Grid Including Micro Grid and Battery Energy Storage System

**20-22 November 2019**

**Venue : ABB Power TEC™, ABB India Ltd., Maneja, Vadodara**

## REGISTRATION FORM

(To be filled in block letters preferably)

Delegate \_\_\_\_\_  
(Surname) (First Name)

Designation \_\_\_\_\_

Name of Organisation \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ PIN \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Accommodation required :  Yes  No

Dated \_\_\_\_\_ Signature \_\_\_\_\_

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

### TRAINING SECRETARIAT

**V.K. Kanjlia**

Secretary

Central Board of Irrigation and Power

Malcha Marg, Chanakyapuri, New Delhi 110 021, India

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

### 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.

*Information Bulletin*

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**20-22 November 2019**

**Venue : ABB Power TEC™, ABB India Ltd., Vadodara**



*Organised by*



**Central Board of Irrigation & Power  
New Delhi**

*In association with*

**ABB**

**Vadodara**

## 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 92 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, Renewable Energy 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 an MoU with ABB India Limited for jointly providing hands-on training to the professionals for skill development.

As the hands-on training help to understand the concepts, it is important to blend the practical demonstrations with theory for engineers to put the knowledge into practice. This is challenging as the equipment installed at working substations are not available for experimentation and exploring the same to test different concepts and theories learnt. 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 organising a hands-on training on "Renewable Sources and its Integration to Grid Including Micro Grid and Battery Energy Storage System" from 20-22 November 2019. The eminent faculties from ABB and other invited experts on the subject will deliver the presentations covering following topics:

- Different types of renewable generation and their behaviour pattern
- Microgrid concepts
- Various types of controllers and its functions in Microgrids
- Energy storage, its role, type of storage and typical applications
- Grid Stabilization
- EV charging as Microgrid component
- Voltage Ride Through (LVRT & HVRT), Flicker, Sudden V Change, Protection Coordination
- Regulations and grid codes related to renewable energy
- Demonstration on live micro-grids, battery energy storage system.
- Visit of 10 MW renewable plant and SLDC Complex.

**Venue for the Course :** ABB Power TEC™, ABB India Limited, Maneja, Vadodara

## WHO SHOULD ATTEND?

The training program is open to various utilities and industry organizations/ individuals in the field of power system.

## COURSE FEE

- The duration for the training will be for 3 days.

### (a) Without Accommodation and Transport

- The registration fee will be Rs 30,000/- per participant + 18% GST. It will cover the professional fees, working lunch, Tea / coffee/snacks during the course, site visit, course material in book form, Presentation in Pen drive.

### (b) With Accommodation and Transport

- In case of participants requiring hotel accommodation, the registration fee will be Rs. 40,000/- per participant + 18% GST. It will also cover the accommodation on twin sharing basis for 3 nights from 19 to 21 November (Checkout on 22nd November) or 20 to 22 November (Checkout on 23rd November), dinner in hotel and local transport from place of stay to the venue.
- Accommodation on Single sharing basis or for additional nights can also be arranged on additional charges from the individual.

1. For hotel accommodation, confirmation is required at least 5 days before start of the program to facilitate us early booking i.e. up to 14.11.2019
2. If nomination is cancelled after booking of hotel, the hotel charges will have to be borne by the concerned, however substitute can be allowed in case nomination is changed
3. **Before booking of flight / rail ticket nominations to be confirmed from Nodal Officer CBIP Shri I.B. Srivastava, Adviser, M : 8130759549**

(GST No. 07AAAJC0237F1ZU)

## TO REGISTER

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

## PAYMENT

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

**V.K. Kanjlia**, Secretary, CBIP      **P.P. Wahi**, Director, CBIP  
**Nodal Officer** : **Shri I.B. Srivastava**, Adviser, M : 8130759549,

E-mail : srivastavaib57@gmail.com

## Central Board of Irrigation & Power

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