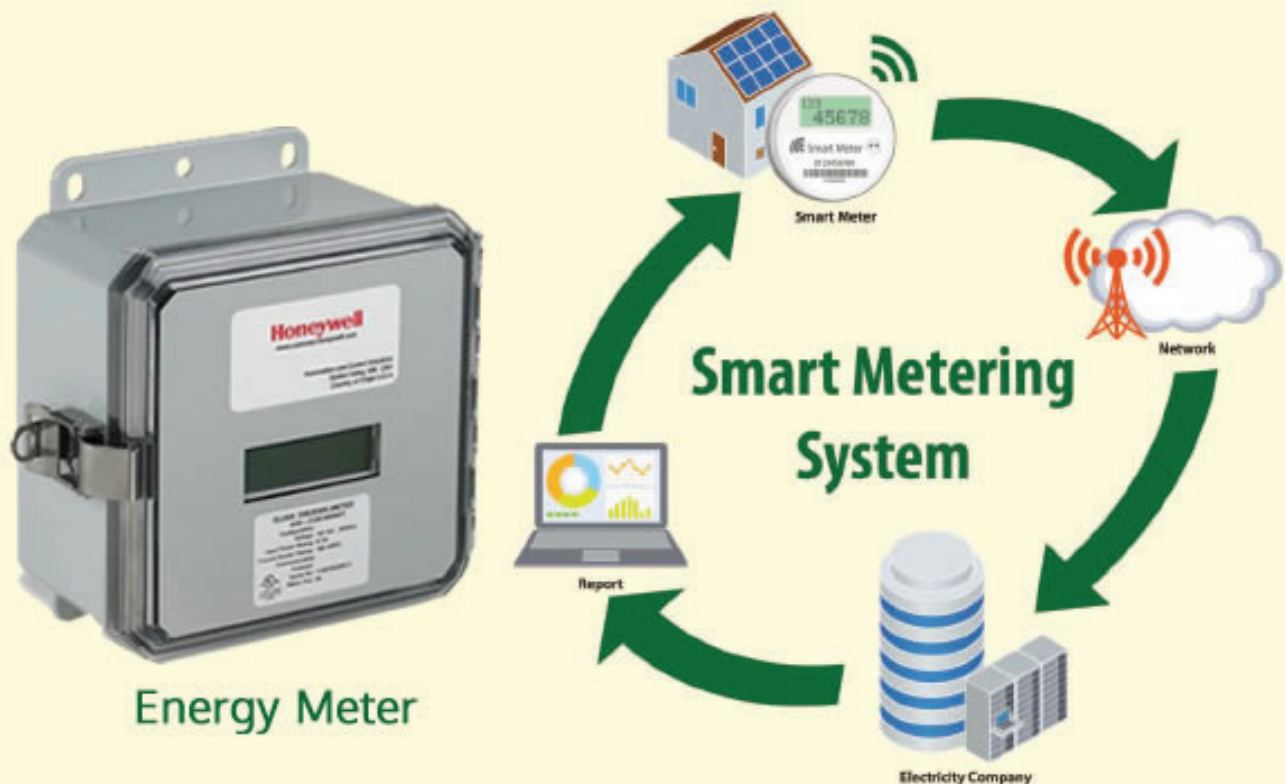


# TRAINING ON SMART METERING (For Power Professionals)

24-26 July, 2024

CBIP Centre of Excellence  
Plot No. 21, Sector 32, Gurugram



*Organized by*



Central Board of Irrigation & Power

*Supported by*



Central Electricity Authority

## **ANNOUNCEMENT**

Central Board of Irrigation and Power is organizing 03 days training program on “Smart Metering” to familiarize the participants about the smart grid and smart metering technologies with their applications on 24-26 July, 2024 at CBIP Centre of Excellence, Plot No.-21, Sector-32, Gurugram, Haryana.

The program is being supported by Central Electricity Authority (CEA).

## **INTRODUCTION**

The adoption of smart electricity metering is occurring at a rapid pace in India .The Smart Meter National Programme aims to install approximately 250 million smart meters across the country. This new scheme was introduced by the government in July 2017 with the objectives of improving the financial and operational efficiencies of distribution companies, including reducing the aggregate technical and commercial losses to 12-15% by the end of its target timeline.

Smart metering offers a plethora of benefits including real-time monitoring, tamper detection, and automated billing, which can greatly curb electricity loss. The ability to measure electricity consumption and transmit that data in real time to utility companies eliminates the need for manual meter readings, reducing the risk of human error and the potential for tampering. Improving the operational efficiency, profitability and cost effectiveness of power distribution companies in India calls for the rapid adoption of smart metering technology.

India has currently installed approx. 10 million smart meters. It is still in the nascent stage of rolling out this technology to all households in the country, providing immense growth potential for solutions offering interoperability.

Smart metering solutions are also a game-changer for ambitious renewable energy projects as they will ensure accuracy and transparency in how electricity is managed, consumed, and monitored, paving the way for a more efficient and resilient power grid.

## **PROGRAMME OBJECTIVE**

The objective of the program is to provide fundamental insights into Smart Metering Concepts its key features, Standards for Smart Metering, Issue & Challenges, Way Forward etc. At the end of the program, the participants shall be able to understand the important aspects of the Smart Metering in a very systematic & professional manner.

## **CERTIFICATION OF THE PROGRAM**

Certificate will be issued by Central Board of irrigation & Power (CBIP) which is a reputed autonomous body in the field of Power, Water Resources, Renewable energy and allied fields. The program is being supported by CEA.

CBIP institute has been recognized as Category-I training Institute by CEA, Ministry of Power, Govt. of India.

## **ABOUT CBIP**

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 97 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.

It has now emerged as an apex body for training and consultancy in Power, Water Resources and Renewable Energy.

## **METHODOLOGY**

Highly interactive training sessions by subject matter experts, Presentations from the experts, Case Studies, Group Discussions etc. Experienced and reputed faculty having in-depth knowledge of subject shall be drawn from reputed organization.

## **WHO MAY ATTEND**

Professionals from PSUs/State Power Companies/Pvt. Power Companies/ Consultants/Universities/Power Utilities/Manufacturers etc. interested in updating their domain knowledge may attend the program.

## **DATES & VENUE**

The Program will be held on 24-26 July, 2024 at CBIP Centre of Excellence, Plot No-21, Sector-32, Gurugram. The timing of the program would be 10 AM to 05 PM.

## PRPROGRAM CONTENTS

Various topics to be delivered during this program but not limited to, are as under :

- Functions and Features of Smart Grid, Demand Response Support
- Overview of various metering type available
- Why Smart Meters is need of future?
- Smart Metering Basics - Concept and its Key Features
- Role of Smart Meters in Revenue protection
- Plugging Revenue leakages through correct meter data Acquisition and data management
- Communication Technology for Smart Meters
- Improving Collection Efficiency
- DT Meters and feeder Smart Meters
- Net Metering and Grid Connectivity of Renewable Sources
- Testing of Smart Meters
- Way Forward
- Q/A Sessions

## PROGRAMME FEES

- Regular Participation at Rs. 12,000/- per participant + 18% GST shall be charged extra.
- Discounted fee for Members of CBIP, Rs. 10,800/- per participant + 18% GST extra.
- Group Discount facility would be available for more than 4 no. of participants from same organization, i.e.,
  - Rs. 10,000/- per participant (Non- Member Organizations) + 18% GST extra.
  - Rs. 9,000/- per participant (Member Organizations) + 18% GST extra.
- The registration fee will cover the professional fees, working lunch, tea/ coffee/ snacks.
- Participants will be provided with training material and each candidate shall be provided a Certificate at the end of the Programme.
- The event is non-residential. Participants will have to make their own arrangements for travel, boarding & lodging etc.

## PAYMENT

All payments be made through cheque at par in favour of “Central Board of Irrigation & Power”, payable at Gurugram OR by Bank Transfer to the following Bank Account-

Beneficiary Name : Central Board of Irrigation & Power

PAN No. : AAAJC0237F

GST No. : 06AAAJC0237F1ZW

Bank Details : Indian Overseas Bank, SCO 26, Sec. 31, Gurgaon, Haryana, PIN-122001

Saving Bank Account No. : 236701000000922 Branch RTGS/ NEFT/ IFSC : IOBA0002367 Branch Code : 2367

**After making 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*

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

**Shri Sanjeev Singh**, *Director (Energy), CBIP*

CBIP, Centre of Excellence, Plot No-21, Sector-32, Gurgaon, Haryana-122001

Tel No: 0124-4380272, 4035267, E-mail: training@cbip.org, Website-www.cbip.org

**Nodal Officers: B.P. Kundu**, *Jt. Advisor, CBIP*, M:9873549202, E-mail: bpkundu@cbip.org

**Jaideep Singh**, *Chief Manager (T)*, M: 9871718218, E-mail: jaideep@cbip.org

## HOW TO REGISTER

The participants/participating organizations, desirous attending the above training may send the nominations to the emails mentioned above indicating the details of the participants 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.

# TRAINING ON SMART METERING

## (For Power Professionals)

24-26 July, 2024, CBIP Centre of Excellence  
Plot No. 21, Sector 32, Gurugram

### 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 \_\_\_\_\_

Dated \_\_\_\_\_

Signature \_\_\_\_\_

#### SECRETARIAT

**Shri A.K. Dinkar**

*Secretary*

Central Board of Irrigation and Power

Malcha Marg, Chanakyapuri, New Delhi 110 021, India

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

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

**Contact Person :**

**B.P. Kundu, Jt. Advisor, CBIP**, M:9873549202, E-mail: bpkundu@cbip.org

**Jaideep Singh, Chief Manager (T)**, M: 9871718218, E-mail: jaideep@cbip.org

#### Note:

- Photocopies of the registration form can be used for additional requirements, if any.