

## Webinar on

# ADVANCED METERING INFRASTRUCTURE SYSTEM

15 March 2023



स्मार्ट ग्रिड अनुसंधान प्रयोगशाला

Smart Grid Research Laboratory

केंद्रीय विद्युत अनुसंधान संस्थान

CENTRAL POWER RESEARCH INSTITUTE

(भारत सरकार की सोसाइटी, विद्युत मंत्रालय / Govt. of India Society, Ministry of Power)

प्रो. सर सी वी रामन रोड, पो बा सं. 8066, सदाशिवनगर डाक घर

Prof. Sir C V Raman Road, P B No. 8066, Sadashivanagar Post Office

बेंगलूर / Bengaluru – 560 080

[www.cpri.res.in](http://www.cpri.res.in)

## CPRI Profile

Central Power Research Institute (CPRI) set up in 1960 by the Government of India, functions as a National organization for applied research in power sector and also serves as an Independent Laboratory for testing and certification of electrical equipment. CPRI also provides consultancy services on various facets of power sector. CPRI has experienced faculty in different subjects of power sector with practical experience in their areas of interest as well as extensive experience in presenting courses/seminars.

## About the Webinar

The Government of India has launched the Revamped Distribution Sector Scheme (RDSS) to strengthen the DISCOM sector. As a part of this scheme, utilities will be implementing an AMI system with prepaid smart meters. To facilitate this, the Central Power Research Institute (CPRI) has been appointed as the testing agency to conduct demonstration testing of AMI solution providers (AMISPs) who will participate in tenders under the RDSS. CPRI has established an AMI test-bed arrangement for AMISPs to showcase the functionalities and features of their AMI system, and a test process and procedures have been developed for this purpose. Successful AMISPs will be empaneled. This webinar will focus on the Journey of Metering in India, AMI Technologies, HES, MDM, Communication Systems, Smart Meters for AMI System, and testing requirements in an online mode.

## Topics Covered

The following topics will be discussed during the Webinar:

- Metering Journey in India
- Smart meter, HES, MDM, and Communication Systems
- AMI System Functions and Service Level Performance Testing
- Cyber Security

## Who should attend?

This webinar is designed for utility engineers, manufactures, researchers, consultants, system integrators and academia and those who are interested in the topics mentioned above. As the seats are limited, registration will be on first cum first serve basis.

## Programme Schedule

The webinar will be held on **15<sup>th</sup> March 2023 from 02:00 PM onwards**, through online mode. Details of the registration link and the scheduled will be shared to all registered participants.

Please visit <https://cpri.res.in/upcoming-events> for brochure, registration form and updates.

## Registration Fees

Prior registration is mandatory for participating in this programme. The details of the participation fee along with applicable discounts are as provided below:

SI No	Institutions	Fee per person*
1	<b>State Power Utilities / Government agencies</b>	
	Up to 5 participants	Rs. 750 + GST
	6-10 participants	Rs. 650 + GST
	11-30 participants	Rs. 600 + GST
2	<b>Private Sector Organizations</b>	
	Up to 5 participants	Rs. 1000 + GST
	6-10 participants	Rs. 750 + GST
	11-30 participants	Rs. 600 + GST
3	<b>Students of educational institutions</b>	Rs. 500 + GST
4	<b>Faculty Members of educational institutions</b>	Rs. 500 + GST
5	<b>Foreign delegates</b>	Rs. 1500 + GST

\* Present GST rate is 18 %.

All the participants will be provided with participation certificate based on the attendance.

## Payment Method

Registration fee is accepted only by online payment mode through CPRI web portal, the link for making payment is [https://cpri.res.in/online-testing/pay\\_online](https://cpri.res.in/online-testing/pay_online)

Please Note: On this payment portal, choose Payment made against as "Advance Payment", Select Unit as "CRTL, Bengaluru", division as "Smart Grid Research Laboratory" and mention "New customer" if you do not have CPRI party code. Individuals who are not having TAN or GSTN, may fill TAN and GSTN fields with all 9's while making payment. All other information as appropriate may be provided in respective fields.

Once the payment is made, bank transaction details may be shared with the programme coordinators.

## Smart Grid and Research Laboratory

The laboratory houses advanced facilities for carrying out testing and research in the area of smart Grid which includes Advanced Distribution Automation, Advanced Metering Infrastructure, Interoperability, Communication and Cyber security systems. It includes Smart Grid Test Bed and Technology Demonstration Test Bed for AMI system. These test beds are also useful in performance evaluation of various smart grid components.

The division is providing testing services of Communication Protocol and Security Conformance for Intelligent Electronic Devices (IEDs) / Gateways/ RTUs as per IEC 61850. The IEC test facility is accredited by UCA IUG as Level 'A' (Independent Test Lab with certified ISO / IEC 17025: 2017 Quality Systems). The laboratory is accredited as per ISO / IEC 17025: 2017 by NABL and test reports / certificates issued by CPRI are accepted worldwide. The division has also commenced testing of RTUs / FRTUs for communication protocol and security conformance as per IEC 60870-5-101 / 104 and IEC 62351.

The division also provides consultancy services for implementation of Smart Grid and AMI / smart meter implementation, Distribution Automation, SCADA System, substation automation systems, Cyber security and Communication Systems for various utilities, industries, and other organizations.

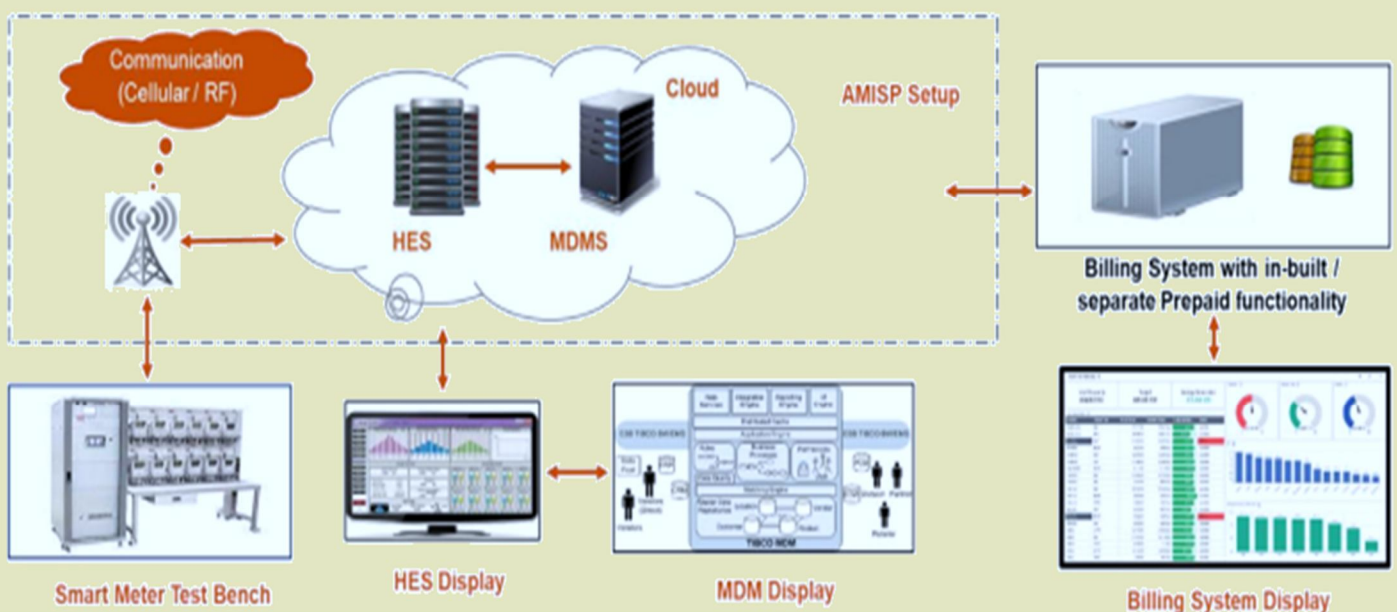
### Programme Coordinators:

- Dr. Amit Jain, Joint Director & HOD
- Shri Shivakumar V, Joint Director
- Shri Pradish M, Engineering Officer
- Shri Shailesh Kapoor, Engineering Officer

### Contacts:

- Shri Pradish M  
Engineering Officer  
Mob. 9448722416  
pradish@cpri.in
- Shri Shailesh Kapoor  
Engineering Officer  
Mob. 9252894700  
skapoor@cpri.in

The programme schedule will be shared to all registered participants. Hence, the participants are individually requested to send their registrations in advance in the format provided to the programme coordinators. Alternatively, participants can also register through online registration link <https://forms.gle/degYyFd3tNaMeMPy5>





SMART GRID RESEARCH LABORATORY  
CENTRAL POWER RESEARCH INSTITUTE  
PROF. SIR. C V RAMAN ROAD, PO BOX 8066,  
SADASHIVANAGAR PO, BENGALURU – 560 080

## REGISTRATION FORM

WEBINAR ON

**ADVANCED METERING INFRASTRUCTURE SYSTEM**

15 March, 2023

[www.cpri.res.in](http://www.cpri.res.in)

Full Name of the Participant: \_\_\_\_\_

Designation: \_\_\_\_\_ Nationality \_\_\_\_\_

Organisation: \_\_\_\_\_

Full address of Organization: \_\_\_\_\_  
(For Correspondence)

\_\_\_\_\_ PIN Code: \_\_\_\_\_

Phone (Off.) : \_\_\_\_\_ Fax: \_\_\_\_\_

Mobile/Cell: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Payment details:

Registration fee is to be paid online through CPRI web portal in advance. The link for making the payment is: [https://cpri.res.in/online-testing/pay\\_online](https://cpri.res.in/online-testing/pay_online)

Please Note: On this payment portal, choose Payment made against as "Advance Payment", Select Unit as "CRTL, Bengaluru", division as "Smart Grid Research Laboratory" and mention "New customer" if you do not have CPRI party code. Individuals who are not having TAN or GSTN, may fill TAN and GSTN fields with all 9's while making payment. All other information as appropriate may be provided in respective fields.

Payment transaction No./ UTR No.: \_\_\_\_\_

Bank: \_\_\_\_\_ Amount: \_\_\_\_\_ Date: \_\_\_\_\_

Any other details: \_\_\_\_\_

The above payment is for \_\_\_\_\_ No. of participants from our organization.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**Softcopy of completely filled registration forms shall be sent to any of the following programme contacts:**

Shri Pradish M  
Engineering Officer  
pradish@cpri.in  
Mob. 9448722416

Shri Shailesh Kapoor  
Engineering Officer  
skapoor@cpri.in  
Mob. 9252894700

**Kindly use separate form for each participant, downloaded / photocopies of this registration form is acceptable. Alternatively, registration can be made on line also**

**KINDLY VISIT CPRI WEBSITE FOR UPDATES**  
[www.cpri.res.in](http://www.cpri.res.in)