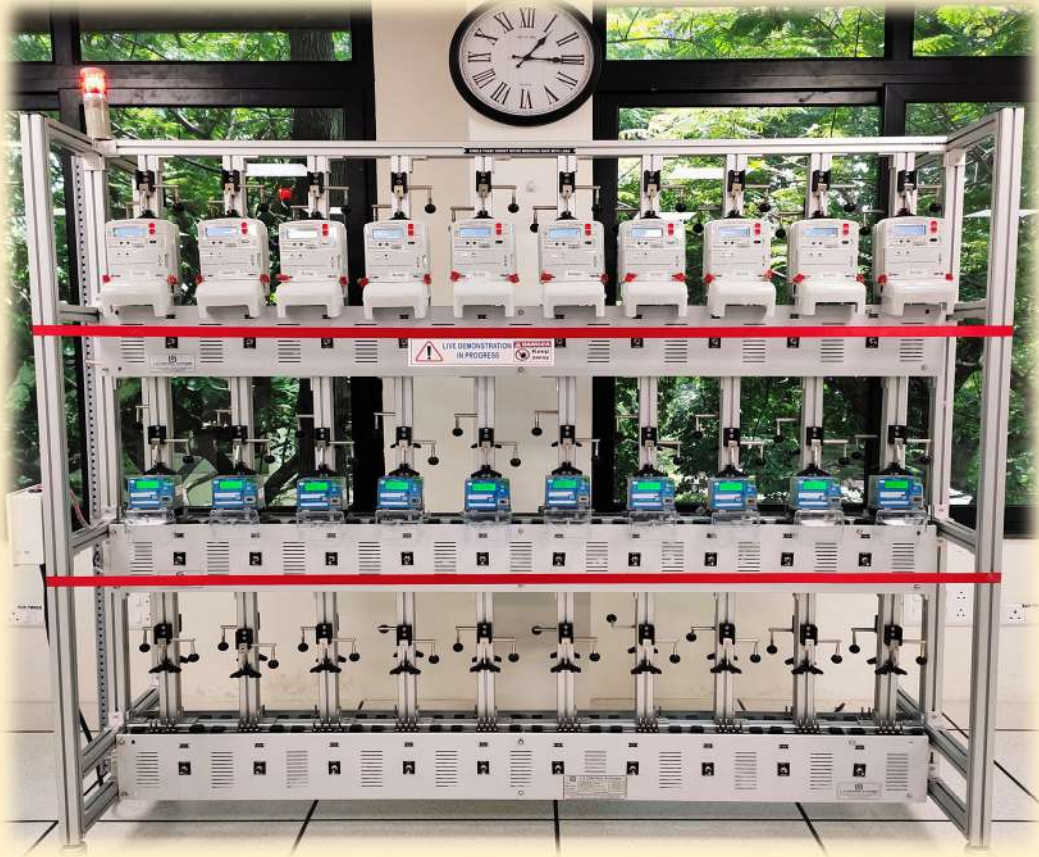


## Webinar on

# ADVANCED METERING INFRASTRUCTURE TECHNOLOGY AND AMI SYSTEM TESTING

16 February 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 / Prof. Sir C V Raman Road

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[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

To strengthen the DISCOM Sector, the Govt. of India has launched Revamped Distribution Sector Scheme (RDSS). Under this scheme, AMI system with prepaid Smart meters is one of the components which the utilities will be going for. For this purpose, CPRI has been appointed as testing agency for carrying out the AMI system demonstration testing of the prospective AMI solution providers (AMISPs) who will be empaneled for participating in the tenders floated by various utilities under the RDSS. For this purpose, CPRI has set-up a AMI test-bed arrangement for AMISPs to demonstrate their functionalities and features of the AMI system. Also a test process and procedures were evolved for carrying out this testing and the successful AMISPs will get empaneled. This webinar will focus on the AMI technologies, HES, MDM, Communication System, Smart Meters for AMI system and testing requirements by online mode.

## Topics Covered

The following topics will be discussed during the Webinar:

- AMI Technology
- 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 **16<sup>th</sup> February 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)

Once the payment is made, it is requested to share the bank transaction details to 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.

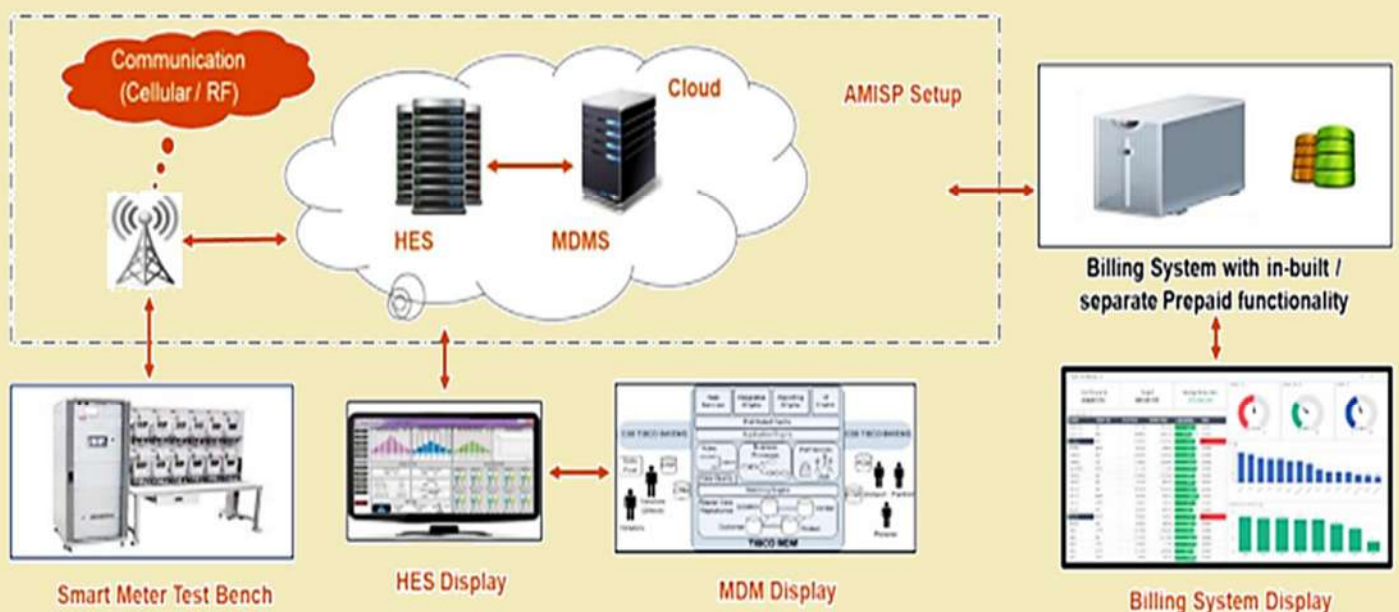
### Programme Coordinators:

- Dr. Amit Jain, Joint Director & HOD
- Shri Shivakumar V, Joint Director
- Shri Pradish M, Engineering Officer
- Shri Shivakumar C, Engineering Officer
- Shri Shailesh Kapoor, Engineering Officer
- Shri Shivendra Kumar Sinha, 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/3EpngXFCGNttS5iC9>





SMART GRID RESEARCH LABORATORY  
CENTRAL POWER RESEARCH INSTITUTE  
PROF. SIR. C V RAMAN ROAD, PO BOX 8066,  
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## REGISTRATION FORM

### WEBINAR ON ADVANCED METERING INFRASTRUCTURE TECHNOLOGY AND AMI SYSTEM TESTING

16 February, 2023

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)

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)