

**उन्नत मीटरिंग आवसंरचना प्रणाली और प्रौद्योगिकियों में रुझान  
पर राष्ट्रीय वेबिनार**  
**National webinar on**

**TRENDS IN ADVANCED METERING INFRASTRUCTURE  
SYSTEM AND TECHNOLOGIES**

**27 June 2024**



**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.

**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 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.

## About the Webinar

The Government of India has launched the Revamped Distribution Sector Scheme (RDSS) to strengthen the distribution 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

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 **27th June 2024 from 02:00 PM** onwards, through online mode. Please visit <https://cpri.res.in/upcoming-events> for brochure, registration form and updates.

## Registration

Participation in this webinar is free. However, prior registration is mandatory for participating in this programme. Interested participants are requested to send their individual registrations in advance in the format provided to the programme coordinators. Alternatively, participants can also register through online registration link " <https://forms.gle/degYyFd3tNaMeMPy5> ". The programme schedule and the participation link will be shared to registered participants. CPRI reserves the rights of acceptance of the participation request.

## Programme Coordinators:

- Dr. Amit Jain, Additional Director & HoD
- Shri Shivakumar V, Joint Director
- Shri Pradish M, Joint Director
- Shri Shailesh Kapoor, Engineering Officer
- Shri Shivendra Kumar Sinha, Engineering Officer
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**स्मार्ट ग्रिड अनुसंधान प्रयोगशाला**

**Smart Grid Research Laboratory**

**केंद्रीय विद्युत अनुसंधान संस्थान**

**CENTRAL POWER RESEARCH INSTITUTE**

**(विद्युत मंत्रालय, भारत सरकार / Ministry of Power, Govt. of India)**

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