

National Conference on the Use of AI/ML in Power Distribution Sector

Overview

The Ministry of Power is organizing a National Conference focusing on the use of Artificial Intelligence (AI) and Machine Learning (ML) technologies in the Power Distribution Sector under the Revamped Distribution Sector Scheme (RDSS). This event aims to demonstrate cutting-edge use cases of smart meter data analytics, integrated IT/OT systems, and smart home automation solutions that drive innovation, improve operational efficiencies, and enhance consumer satisfaction across DISCOMs in the country.

This National Conference is an unparalleled platform to demonstrate your innovations, collaborate with industry leaders, and contribute to transforming India's power distribution landscape with AI/ML and smart technologies.

Conference Objectives

- Showcase AI/ML-driven data analytics and practical use cases leveraging smart meter technology and other integrated IT/OT systems.
- Promote adoption of advanced technologies like Blockchain, Internet of Things (IoT), and smart home automation for enhanced power distribution management.
- Facilitate knowledge sharing and best practices towards achieving operational efficiency, grid reliability, and sustainability goals.
- Encourage participation among DISCOMs, AMISPs (Advanced Metering Infrastructure Service Providers), Technology Solution Providers (TSPs) and Home Automation Solution Providers (HASPs).

Organizing Agencies

The conference will be organized jointly by REC Limited and Power Finance Corporation Ltd (PFC) with REC serving as the lead Agency. The event will be conducted in close coordination with state utilities, AMISPs, TSPs, and HASPs to ensure participation and outreach at all levels.

Conference Details

- **Date:** 6th November 2025 (9:00 AM – 6:00 PM) and 7th November 2025 (10:00 AM – 3:00 PM)
- **Venue:** Being finalized

Who Should Attend?

- Distribution Companies (DISCOMs) representing all state and private utilities (3 participants each)
- AMISPs involved in smart metering deployment (max 3 participants from each utility)
- Technology Solution Providers (TSPs) specializing in AI/ML for power distribution (max 2 participants from each TSP)
- Home Automation Solution Providers (max 2 participants from each HASPs) showcasing innovative smart home solutions
- Stalls by TSPs/ AMISPs/ DISCOMs/HASPs for demonstration of the solution/ use cases (will be intimated prior to the event)

Agenda At a Glance

Day 1

- Registration & Welcome Address
- Keynote by CMD, REC and Secretary, Ministry of Power

- Presentations by 35 shortlisted applicants across four categories—TSPs, AMISPs, DISCOMs, and HASPs—highlighting real-world implementations of AI/ML for demand forecasting, revenue protection, cost optimization, digital system integration, and more.
- Participants will showcase solutions, including mobile applications developed for use by consumers & DISCOMs employees, along with other initiatives taken to leverage data from smart meters.
- Every presentation will be of 8 minutes followed by 2 minutes for Q&A session. Each session will have separate Jury for final selection of participants for Day2 session. The following are the proposed categories for presentations:
 - i. Presentation by 10 TSPs (Established or Start-up) who are actively involved in AI/ML based data analytics. It may be from Powerthon also.
 - ii. Presentation by 10 AMISPs who are involved in smart metering works.
 - iii. Presentation by 10 DISCOMs where use cases are being implemented on the ground.
 - iv. Presentation by 5 AMISPs/ Solution Providers.
- The selection of the DISCOMs/ AMISPs/ TSPs/ HASPs and modality of selection will be done by the Steering Committee constituted by MoP.
- Top solutions will be awarded and showcased during an exclusive session with the Hon'ble Minister of Power on Day 2.

Day 2

- Welcome address by Hon'ble Minister of Power
- Presentation of shortlisted solutions from each category (DISCOMs, AMISPs, TSPs and HASPs)
- Award ceremony and concluding remarks

Call for Participation

REC invites applications from Technology Solution Providers, AMISPs, DISCOMs, and Home Automation Providers interested in showcasing their solutions based on AI/ML, smart meter analytics, and home automation solutions at the conference.

Important Dates

Application deadline: 15th October 2025

Join Us for National Conference on use of AI/ML in Power Distribution sector in India

Participate in shaping the future of power distribution! Submit your applications at the earliest and be part of a transformative journey. This form serves as a preliminary step towards participation. The information provided may be used for initial screening and to help us understand the relevance and potential.

Register Now

[<https://forms.gle/gZHJFcSjAKab4VZTA>]

Disclaimer: *Participation in the National Conference on the Use of AI/ML in the Power Distribution Sector is subject to confirmation by the organizing committee. Submission of an application does not guarantee selection for presentations, stalls, or awards. The organizers reserve the right to alter the event schedule, format, or participation criteria without prior notice.*