

**JICA Knowledge Co-Creation Program (FY2021)  
"Power Grid Planning and Operation (A)"**

Japan Electric Power Information Center (JEPIC) conducted a technical training program under the contract with JICA. The training was implemented under the cooperation of The Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. as follows,

Date	From October 8 (Fri.) to November 8 (Mon.), 2021
Organization	Japan Electric Power Information Center, Inc. The Kansai Electric Power Co., Inc. Kansai Transmission and Distribution, Inc.
Participant	Total 12 participants from 7 countries (Laos: 2, Nepal: 2, India: 1, Sri Lanka: 2, Jordan: 2, Palestine: 2, Kenya: 1 )
Contents	<ul style="list-style-type: none"> <li>• Lecture material distribution, question and answer (online meeting) <ul style="list-style-type: none"> <li>✓ Outline of Electric Power Industry in Japan</li> <li>✓ Introduction of The Kansai Electric Power Co., Inc., Principle of power system planning, Demand and supply planning, Overview of PSSE (Power System Simulation for Engineers),</li> <li>✓ Supply and demand control, Operation rule in interconnection system, Influence and challenges on the reliable power supply with high penetration of renewable energy, Protection system for power grid</li> <li>✓ Operation outline of load dispatching and control center, System outline of load dispatching and control center, Overview of transmission line maintenance operation Overview of transformer equipment</li> </ul> </li> <li>• Orientation, inception report evaluation, action plan making and discussion, free discussion (online meeting), action plan evaluation.</li> </ul>

