

**JICA Knowledge Co-Creation Program (FY2023)  
"Power Grid Planning and Operation (B)"**

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 November 28(Tue.) to December 13(Wed.), 2023
Organization	Japan Electric Power Information Center, Inc. The Kansai Electric Power Co., Inc. (KEPCO) Kansai Transmission and Distribution, Inc.
Participant	Total 6 participants from 6 countries (Bhutan:1, Cambodia:1, Laos:1, Pakistan:1,Tajikistan:1 Vietnam:1)
Contents	<ul style="list-style-type: none"> <li>• Lecture, Question and Answer               <ul style="list-style-type: none"> <li>✓ Outline of Electric Power Industry in Japan</li> <li>✓ TQM Workshop</li> <li>✓ Lecture by KEPCO                   <ol style="list-style-type: none"> <li>(1) Outline of KEPCO</li> <li>(2) Demand and Supply Planning</li> <li>(3) Operation outline of Load Dispatching and Control Center</li> <li>(4) Operation rule in Central and Western interconnection system</li> <li>(5) Influence and Challenges on Power Grid Operation with High Penetration of Renewable Energy</li> <li>(6) Protection system</li> <li>(7) Principle of Power System Planning</li> <li>(8) Outline of overhead transmission line maintenance</li> <li>(9) Overview of Substation Maintenance in Kansai</li> <li>(10) Actions on disaster preventions in Kansai TD</li> </ol> </li> <li>✓ Cyber Security</li> </ul> </li> <li>• Orientation, Inception Report Presentation, Action Plan Making and Discussion, Action Plan Report Presentation</li> <li>• Site Visit               <ul style="list-style-type: none"> <li>✓ OCCTO</li> <li>✓ Waseda University Energy Management System</li> <li>✓ Mitsubishi Electric Corporation</li> <li>✓ Research Institute of Innovative Technology for the Earth</li> <li>✓ KEPCO, Kansai Transmission and Distribution, Inc.</li> </ul> </li> </ul>

