

**JICA Knowledge Co-Creation Program (FY2022)
"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 August 22 (Mon.) to September 16 (Fri.), 2022
Organization	Japan Electric Power Information Center, Inc. The Kansai Electric Power Co., Inc. Kansai Transmission and Distribution, Inc.
Participant	Total 15 participants from 10 countries (Angola: 2, Democratic Republic of the Congo: 1, Ghana: 1, Malawi: 2, Nigeria: 1, Rwanda: 1, Sierra Leone: 1, Tanzania: 2, Tunisia: 2, Uganda: 2)
Contents	<ul style="list-style-type: none"> • Lecture material distribution, question and answer (online meeting) <ul style="list-style-type: none"> ✓ Outline of Electric Power Industry in Japan ✓ Introduction of The Kansai Electric Power Co., Inc., Protection system for power grid, Operation outline of load dispatching and control center, System outline of load dispatching and control center (and Cyber Security), ✓ Principle of power system planning, Asset Management Case Study, Overview of PSSE, ✓ Demand and supply planning Supply and demand control, Operation rule in central and western interconnection system Influence and challenges on the reliable power supply with high penetration of renewable energy ✓ Overview of transmission line maintenance operation Overview of transformer equipment • Orientation, Inception Report Evaluation, Action Plan Making and Discussion, Free Discussion (online meeting) ,Action Plan Evaluation

