

Target Countries :

Course No. : (A) 201984591-J002/(B) 201984973-J002

No. : (A) 201984591/(B) 201984973

Sector : Natural Resources and Energy/Energy Supply

Sub-Sector :

Language : (A) English/(B) English

Outline

This course targets young executives of the national grid operators in the countries under JICA energy sector cooperation schemes, as key counterparts of JICA cooperation and also as key players in terms of promoting export of the infrastructure system from Japan. The course aims at deepening the understanding of policy and technology of power grid system operation in Japan and also reinforcing the partnership with the grid operators.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 Senior engineers of the national grid operators obtain knowledge of power grid operation in Japan and related manufactures, which leads to addressing the various issues in power grid planning and operation in participating countries.</p> <p>【Outcome】 1. Being able to find issues and causes concerning the electric power system in their countries and explain them. 2. Deepen the knowledge about the grid system and operation practice in Japan. 3. Deepen the knowledge about the electric equipment used in Japanese Power Grid. 4. Develop an improvement plan to address the issues in their power grid</p>	<p>【Target Organization】 National Grid Operators</p> <p>【Target Group】 1. Senior officer (ex. Department Head of each section) 2. Graduates of engineering faculty of university or equivalent, 40-55 years old, smooth communication in English 3. Be in good health physically and mentally to participate in the Program</p>	
<p>Contents</p> <p>1-1. Drawing up a country report 2. Country report presentation and discussion 2-1. Lecture on "Electricity System Reform" and outline of the electric power industry in Japan 2. Lecture and demonstration on electric system planning, system analysis 3. Lecture on electric system operation (supply-demand control, system protection) 4. Lecture on wide area electric system operation 5. Lecture on expansion policy of renewable energy and countermeasures taken by grid operators 6. Lecture on construction, operation and maintenance of transmission and substation facilities 7. Lecture on Total Quality Management (TQM) in Japan 3-1. Observation of Japan Electric Power Exchange and Organization for Cross-regional Coordination of Transmission Operators 2. Observation of power generation plants, substation and load dispatching center 3. Observation of a plant for the manufacture of electrical equipment 4-1. Develop an improvement plan to address the issues in their power grid and give a presentation</p>	<p>Course Period</p>	<p>(A) 2019/5/15~2019/6/8 (B) 2019/10/2~2019/10/26</p>
	<p>Department in Charge</p>	<p>Industrial Development and Public Policy Department</p>
	<p>JICA Center</p>	<p>(A) JICA Kansai (II) (B) JICA Kansai (II)</p>
	<p>Cooperation Period</p>	<p>2018~2020</p>
<p>Implementing Partner</p>	<p>(A) Japan Electric Power Information Center (JEPIC)/(B) Japan Electric Power Information Center (JEPIC)</p>	
<p>Remarks and Website</p>	<p>This Course contributes to attain the following UN Sustainable Development Goals (SDGs): Goal 7 (Affordable and Clean Energy), Goal 9 (Industry, Innovation and Infrastructure) and Goal 17 (Partnerships for the Goals).</p>	