

**Target Countries :**

**Course No. :** J1704054

**No. :** 1784699

**Sector :** Agricultural/Rural Development/Agricultural Development

**Sub-Sector :** Agricultural/Rural Development/Rural Development

**Language :** English

**Outline**

Aiming at improving expertise on construction plans and execution management of leading engineers by utilizing the experiences in Tokachi area where has achieved the agriculture development in 130 years. This course provides knowledge from planning to management of agricultural infrastructure with covering comprehensive agricultural infrastructure facilities such as irrigation, drainage and farm road, etc.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b> Expertise on construction plans and execution management is shared with engineers in organizations implementing agricultural infrastructure improvement projects, and the consideration of the actual construction project is initiated.</p> <p><b>【Outcome】</b></p> <ol style="list-style-type: none"> <li>Participants will be able to identify challenges in their own countries with regard to the legal system, processes up to the drafting of plans, project implementation systems, environmental considerations, etc.</li> <li>Participants will be able to make judgments about the appropriateness of infrastructure improvement projects in terms of technical levels, economic efficiency, and environmental and social considerations.</li> <li>Participants will be able to explain typical construction methods in agricultural infrastructure improvement projects as well as highly versatile expertise and techniques.</li> <li>Participants will be able to explain expertise and techniques with regard to execution management and safety measures.</li> </ol>	<p><b>【Target Organization】</b> Governmental organizations and other relevant organizations which is involved in agricultural infrastructure project</p> <p><b>【Target Group】</b></p> <ol style="list-style-type: none"> <li>Leading civil engineers with experience in surveying, planning, construction management or infrastructure management for agricultural infrastructure improvement</li> <li>Having 3 years more practical experience in relevant fields</li> <li>Under 50 years old</li> </ol>	
<p><b>Contents</b></p> <p>Following lectures, observations, practical exercises and discussions are provided. Classes mainly consist of a combination of lecture and observation.</p> <ol style="list-style-type: none"> <li>PCM Workshop Underdrainage</li> <li>Drainage Channels and</li> <li>Upland Field Irrigation Facilities</li> <li>Planning and Design of Irrigation Pipelines</li> <li>Planning and Design of Head Work</li> <li>Farmland Reclamation Project</li> <li>Farm Road Improvement Project</li> <li>Planning and Designing of Dam</li> <li>Agricultural Land Disaster Prevention Project</li> <li>Property and Utilization of Engineering Materials</li> <li>Farming Program and Project Effect</li> <li>Construction Cost Estimating and Scheduling</li> <li>Project Implementation and Environmental Measures</li> <li>Construction Planning and Safety Measures</li> <li>Progress Control and Quality Control</li> <li>Overview of Agriculture in Tokachi Region</li> <li>Outline of Land Improvement District</li> </ol>	<p><b>Course Period</b></p>	<p>2017/05/16~2017/08/05</p>
	<p><b>Department in Charge</b></p>	<p>Rural Development Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Hokkaido (Obihiro)</p>
	<p><b>Cooperation Period</b></p>	<p>2015~2017</p>
<p><b>Implementing Partner</b></p>	<p>The Association of Small Business Entrepreneurs (Tokachi branch)</p>	
<p><b>Remarks and Website</b></p>		