

Target Countries :

Course No. : (A)201984474-J002/(B)201984475-J002

No. : (A)201984474/(B)201984475

Sector : Water Resources/Urban Water Supply

Sub-Sector :

Language : (A)English/(B)English

Outline

This program is designed for core engineers of medium - large waterworks to learn overall skill and knowledge related to planning, designing, and operation and maintenance to supply safe and stable drinking water. In addition, participants are requested to clarify the issues of their organizations and formulate an action plan for future activities by utilizing knowledge obtained through this program.

Objective/Outcome		Target Organization / Group	
<p>【Objective】 This program aims to learn methodology of basic planning of system and facilities for safe and stable drinking water supply based on a mid- to long- term plan. And with this, to clarify the issues that respective organizations have encountered and formulate an action plan for future activities by utilizing knowledge and know-how through this program.</p> <p>【Outcome】 (1)Water Source and Water Intake - To master skills and knowledge related to water supply plans, water source and water intake (2)Water Treatment and Water Quality - To master skills and knowledge related to water treatment and water quality control (3)Water Supply System - To master skills and knowledge related to water supply system and water leak prevention (4)Administration and Management - To understand public administration, legal system, business management, tariff system and human resource development in the field of water supply (5)Basic Plan for Water Supply Facilities - Through skills and knowledge from the training, to draw the basic plan for water supply facilities that resolves problems their organizations have encountered, and to share the plan in respective organizations</p>		<p>【Target Organization】 Departments of water supply planning or designing in a water supply utility, central/local government</p> <p>【Target Group】 (1) be an engineer who is currently or expected to be engaged in the formulation of waterworks plan, (2) have more than 3 years of work experience regarding water supply systems (experience in civil engineering are preferred), (3) be university graduates from the faculty of engineering such as civil, sanitary, environmental, or have equivalent academic background,</p>	
Contents		Course Period	(A) 2019/5~2019/7 (B) 2019/5~2019/8
<p>【Discussion】 Country Report Presentation</p> <p>【Discussion】 Action Plan Formulation and Presentation</p> <p>【Lecture, Site Observation】 Related Laws and Regulations for water supply systems in Japan, Mid- to Long- Term Plan of Waterworks in Japan, Waterworks Management and Tariff System in Japan, Public Private Partnership, Observation of Manufacturing Factory, Sanitation Research Organization, Small-scale Hydraulic Case Study for Disaster Management</p> <p>【Lecture, Site Observation】 Water Purification Process, O/M of Distribution , Countermeasures of Water Leakage</p> <p>【Practice】 Pipeline Network Analysis (hydrologic), Water Demand Forecasting, Basic Planning and Design</p> <p>※In this program, we introduce "Active Learning" approach to promote knowledge co-creation among participants.</p>			Department in Charge
		JICA Center	(A) JICA Tokyo (Economy&Env.) (B) JICA Hokkaido (Sapporo)
		Cooperation Period	2019~2021
Implementing Partner	(A)Under Planning/(B)Under Planning		
Remarks and Website	There are about 5 observers from Japanese water utilities.		