

# JICA 2024 Knowledge Co-Creation Program

## Comprehensive Engineering on Water Supply Systems: Basic Planning and Design for Water Supply System (A)

※ Type of training : (L)…Lecture (F)…Field Study (D)…Discussion (P)…Practice

Date	Time (JST)	Type ※	Contents
17-Oct	Arrival in Japan (Participants move to Japan)		
18-Oct	10:00 ~ 12:00		General Course Briefing
	13:30 ~ 15:00		<ul style="list-style-type: none"> <li>• Program Orientation</li> <li>• Explanation of Action plan</li> </ul>
21-Oct	10:30 ~ 11:30		Opening Ceremony
	12:30 ~ 15:00		Country Report Presentation
	15:00 ~ 15:30		Coffee Break
	15:30 ~ 16:30		City Report by Japanese Observers
22-Oct	9:30 ~ 12:00	L	Outline of Water Supply in Japan
	13:00 ~ 15:00	L	Customer Service / Tariff System in Japan
	15:00 ~ 16:30	L	Water Billing Systems / Water Meter Reading
23-Oct	9:00 ~ 10:00	L	JICA's Approach for Supporting the Growth of Water Utilities
	13:00 ~ 16:00	F	Steel pipe factory inspection
24-Oct	10:00 ~ 16:00	L	Water Demand Forecasting / Hydraulics on Pipelines
25-Oct	9:30 ~ 12:00	L	Water Safety Plan (Lecture)
	13:00 ~ 15:30	D	Water Safety Plan (Discussion)
28-Oct	9:30 ~ 16:00	L	Planning and Design of Water Intake Facility
29-Oct	9:30 ~ 12:00	L	Basic knowledge of water leakage prevention
	13:00 ~ 14:30	D	Case Study and Group Discussion of Revenue Ratio
	14:30 ~ 16:30	D	Feedback on action plan①
30-Oct	9:30 ~ 12:00	L	Water Quality Control in Chiba
	13:00 ~ 16:00	P	Jar Test (Optimization of Coagulation / Flocculation Process)
31-Oct	10:30 ~ 12:00	L	Pipe Laying Method(Open Cut Method)
	13:30 ~ 15:00	F	Open Cut Method Pipe Laying Construction
1-Nov	9:30 ~ 12:00	L	Asset Management System in Yokohama-city
	13:00 ~ 16:00	L	Example for Mapping System
5-Nov	AM		Route (Tokyo → Shin-Kobe → Sanda)
	13:30 ~ 15:00	F	Joint Manufacturing Factory
	15:00 ~ 16:00	P	Water Leakage Repairment with Special Products
6-Nov	9:30 ~ 12:00	L	<ul style="list-style-type: none"> <li>• Outline and History of Kyoto</li> <li>• Public Relations of Kyoto City</li> <li>• Management of Pipeline</li> </ul>
	13:30 ~ 17:30		Kyoto Afternoon Tour (JTB)
7-Nov	9:00 ~ 11:00	L・F	Water Quality Monitoring System
	14:00 ~ 16:30	F	Visit to Ductile Cast Iron Pipe Manufacturing Factory
8-Nov	10:30 ~ 12:00	F	Advanced Water Treatment
	13:00 ~ 14:00	L	Our efforts to make the plant 'Open to the Public' - a distinguished social Infrastructure -
	PM		Route (Amagasaki → Shin-Osaka → Tokyo)

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11-Nov	10:00 ~ 12:30	F	Gravity Flow Water Treatment Plant
	14:30 ~ 16:30	F	Wastewater Treatment plant
12-Nov	10:00 ~ 14:30	F	Valve Manufacturing Factory
13-Nov	9:00 ~ 12:00	D	Feedback on action plan②
14-Nov	9:30 ~ 12:00	L	Water Leak Detection and Prevention in Tokyo
	13:00 ~ 16:00	P	Water Leak Detection Demonstration and Practice
15-Nov	9:30 ~ 12:00	F	Dam for Water Supply
	13:00 ~ 15:00	F	Water Resources Protection / Management
18-Nov	10:00 ~ 12:00	L	Small-scale Water Management in Mountainous Area
	13:00 ~ 14:30	F	Water Treatment Plant (Membrane Process, Ultraviolet Disinfection)
19-Nov	9:30 ~ 16:00	L	Water Purification Process
20-Nov	9:30 ~ 15:30	L	Basic Planning for Water Supply Facilities (Population Estimate / Water Demand Forecasting)
21-Nov	9:30 ~ 16:00	P	Basic Planning and Design for Water Supply Facilities 【Day1】 (Water Demand Forecasting / Raw Water Main Design)
22-Nov	9:30 ~ 16:00	P	Basic Planning and Design for Water Supply Facilities 【Day2】 (Water Demand Forecasting / Raw Water Main Design)
25-Nov	9:30 ~ 16:00	P	Basic Planning and Design for Water Supply Facilities 【Day3】 (Water Demand Forecasting / Raw Water Main Design)
26-Nov	9:30 ~ 16:00	P	Basic Planning and Design for Water Supply Facilities 【Day4】 (Water Demand Forecasting / Raw Water Main Design)
27-Nov	9:30 ~ 16:00	P	Basic Planning and Design for Water Supply Facilities 【Day5】 (Water Demand Forecasting / Raw Water Main Design)
28-Nov	9:00 ~ 12:00	D	Feedback on action plan③
29-Nov	13:00 ~ 15:40	D	Action Plan Presentation
	15:50 ~ 16:35		Evaluation on the Training Course
	16:45 ~ 17:30		Closing Ceremony
	18:00 ~ 19:30		Farewell Party
30-Nov	Return to home country(Participants move to each country)		