

Sewage and Urban Drainage Management 下水道・都市排水マネージメント		Continuing	
Target Countries :The countries are planning to develop sewerage (GDP1000～4000\$ per capita)			
Course No. : J1804223		No. :1884795	
Sector :Environmental Management/Water Pollution			
Sub-Sector :Urban/Regional Development/Urban Development			
Language :English			
Outline			
In order to improve the hygienic environment and to reduce flood damages in developing countries, it is essential to draft a plan and implement a project for appropriate sewage and urban stormwater drainage management. Participants will understand the basic concept of sewage (sewerage) and urban stormwater drainage (removal of rain water) management and draft a master plan for sewage and urban stormwater.			
Objective/Outcome		Target Organization / Group	
【Objective】 To acquire basic knowledge on planning necessary for sewage and urban stormwater drainage, and to understand the necessary approaches and process to formulate master plans in the future. 【Outcome】 1. (Preliminary Phase) To understand the present situation of sewage and urban stormwater drainage management, and to identify challenges in each respective country. 2. To understand the basic concept of sewage and urban stormwater drainage management, and be able to consider appropriate approaches to tackle their challenges. 3. To be able to explain the approaches and process from planning to construction of sewage and urban stormwater drainage management. 4. To make an action plan including a master plan (draft) for sewage and urban stormwater drainage management, the decision-making process (draft) considering community participation and challenges and prospect in the participants’ countries.		【Target Organization】 Central/local government or public organizations which are planning to implement sewerage treatment(sewerage system project) 【Target Group】 1. Officials in charge of upgrading sewerage system 2. To have more than three years of operational experience in the fields 3. To be a university graduate (civil engineering) or a person with equivalent qualification 4. To be thirties in principle.	
Contents			2018/9/23～2018/12/1
1. Preliminary Phase (1) Preparation of a country report. 2. Core Phase in Japan (1) To understand the basic concepts of sewage and urban stormwater drainage management. (2) To learn about the project implementation in Japan (3) To understand the process of formulating project plans and technical aspects of each technology. (4) To understand sewerage financing, methods for operation and maintenance (5) To consider the implementation system for projects, public education, low-cost technologies etc. 3. Finalization Phase (1) To share and consider the action plan among participants’ organizations.		Course Period	
		Department in Charge	Global Environment Department
		JICA Center	JICA Tokyo (Economy&Env.)
		Cooperation Period	2016～2018
Implementing Partner	Sewerage Business Management Centre		
Remarks and Website			