

Target Countries : Southeast Asia and South Asia countries frequently affected by floods

Course No. : 201984479-J002

No. : 201984479

Sector : Disaster Risk Reduction/Wind and Flood Disaster(Flood Control)

Sub-Sector :

Language : English

Outline

“Investing in disaster risk reduction for resilience” was emphasized as Priority 3 on “Sendai Framework for Disaster Risk Reduction 2015-2030”, which was adopted in the third UN World Conference for Disaster Risk Reduction held in Sendai, 2015. To achieve this priority action for water-related disaster, it is essential to promote investment for flood control and river basin management (=DRR investment) based on practical knowledge as well as technical justification for flood control and river basin management. The purpose of the program is to obtain/improve practical skills and sense for planning and implementation of flood control and river basin management in respective countries, through learning knowledge and experience on flood control and river basin management in Japan with actual case and model river such as Tone river. After returning to their countries, participants are expected to apply the knowledge obtained through the program and eventually acquire the ability required of a position equivalent to a director in local office of Ministry of Land, Infrastructure, Transport and Tourism in Japan.

Objective/Outcome	Target Organization / Group
<p>【Objective】 To obtain/improve practical skills and sense for planning and implementation of flood control and river basin management.</p> <p>【Outcome】 1. To learn the basic theory on flood control. 2. To learn the concrete ideas and methodologies on flood control with actual case in Japan. 3. To learn the concrete ideas and methodologies on river basin management including non-structural measures as integrated flood management plan. 4. To practice on flood control and river basin management planning.</p>	<p>【Target Organization】 Ministry or Agency in charge of planning for flood control and river basin management</p> <p>【Target Group】 Practical officer in charge of planning, implementation and maintenance for flood control and river basin management</p>

Contents	Course Period	2020/1~2020/2
<p>Having lectures and practices on flood control and river basin management in accordance with actual process of Japan's cases as below; 1. Flood control: Planning theory in own organization 1) Flow of planning, location setting of flood control point 2) Character of river basin and river bed, sediment dynamism for flood control. 3) Methodology on rainfall analysis, probability evaluation and climate change. 4) Runoff and inundation analysis, flood discharge and basic high-water discharge. 5) Combination of flood control facility and allocation plan of basic high-water discharge, design high-water discharge. 6) How to decide high-water level (HWL), river channel planning, principles of river bank planning and other considerations for facility planning 7) Social and Environmental Considerations. 8) Project implementation process (budget, implementation structure etc.) 9) Fundamental philosophy for sequence of flood control facility construction, project evaluation and selection of the flood control plan. 2. River basin management: Involvement of stakeholders such as other ministries for DRR mainstreaming 1) DRM, DRR, Non-structure measures 2) Land use regulation and urban planning 3) Methodology on flood forecast and warning, flood fighting, evacuation, timeline. 3. Others 1) Climate Change 2) Economic analysis, Macro economy related to DRR, SDGs. 3) Workshop for actual implementation and methodology in respective countries.</p>	<p>Department in Charge</p>	<p>Global Environment Department</p>
	<p>JICA Center</p>	<p>JICA Tsukuba (Training)</p>
	<p>Cooperation Period</p>	<p>2019~2021</p>

<p>Implementing Partner</p>	<p>Under Planning</p>
<p>Remarks and Website</p>	