

Hydropower Planning and Operation 水力開発の促進		Continuing	
Target Countries : Countries where hydro-power plants are expected to construct steadily			
Course No. : J1804106		No. : 1884592	
Sector : Natural Resources and Energy/Energy Supply			
Sub-Sector :			
Language : English			
Outline			
This program is prepared in order that participants could obtain basic knowledge on hydropower development cultivated by Japan for steady implementation of hydropower development.			
Objective/Outcome		Target Organization / Group	
【Objective】 1. Based on the knowledge acquired by the participants, they prepare an action plan for solving the issues their countries have struggled with related to hydropower development, and discuss about their plan after returning home countries. 2. Participants can create and explain a feasible action plan reflecting the content of the program and considering the perspective of human resources, funds, technical capabilities, etc. 3. Policies and plans that contribute to the promotion of hydropower development based on the above mentioned action plan will be reviewed in developing countries. 【Outcome】 1. To recognize the issues related to hydropower development in the home country / organization. 2. To understand about hydropower development procedures, and consider these applicability to the home country. 3. To understand differences of required hydropower development technology (planning, design, financial analysis, O&M, etc.) between the home country and Japan. 4. Participants make an action plan on dissemination activities of skills and knowledge gained from the training program in Japan.		【Target Organization】 The government agencies or electric power utilities which are responsible for hydropower development 【Target Group】 1. Be responsible for hydropower development and those currently posted to the managerial position in the government agencies or electric power utilities. 2. Have a minimum of 5 yeas practical experience in the field of hydropower development. 3. Be a graduate of university. Preferable to mechanical, electrical and civil engineering majors.	
Contents		Course Period	2018/10/9~2018/11/15
1. Preparation of Job and Country reports by the end of preparatory phase 2. Presentation of Job Report 3. Outline of Electric Power Industry in Japan 4. Execution procedure of hydropower development in Japan 5. Environmental impact assessment of hydropower projects 6. Paris Agreement, Japan's initiatives of Bilateral Credit Scheme (JCM) and climate change measures 7. Development of hydropower projects with ODA 8. Current situation and issues of hydropower projects by IPP 9. Planning, design and construction of hydro-PP 10. Optimum Operation Planning for Dam Control 11. Economic evaluation, dam cost allocation and redevelopment of hydro-PP 12. Operation and maintenance of hydroelectric power plant 13. Tours of hydro-PP etc. 14. Examples of solution to a problem & lessons learned of the past of hydro-PP in Japan 15. Drawing up an action plan 16. Discussion about an action plan between participants and experts 17. Action plan presentation		Department in Charge	Industrial Development and Public Policy Department
		JICA Center	JICA Tokyo (Industry&Public)
		Cooperation Period	2016~2018
Implementing Partner	Japan Electric Power Information Center, J-Power		
Remarks and Website			