

Hydropower Planning & Operation 水力開発の促進		Continuing
Target Countries : Countries where hydro-power plants are expected to construct steadily		17 participants
Course No. : J1704164	No. : 1784592	
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.	【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 years practical experience in the field of hydropower development. 3. Be a graduate of university and be proficient in spoken and written English. Preferable to mechanical, electrical and civil engineering majors.	
【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.		
Contents	Course Period	2017/06/21~2017/07/30
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. Global warming measures(CDM) and environmental problems of hydropower projects 7. Development of hydropower projects with ODA 8. Hydropower projects by IPP 9. Decision software for electric power development plan 10. Design and construction of hydro-PP 11. Optimum Operation Planning for Dam Control 12. Economic evaluation, dam cost allocation and redevelopment of hydro-PP 13. Operation and maintenance of hydroelectric power plant 14. Tours of hydro-PP etc. 15. Drawing up an action plan 16. Discussion about an action plan between participants and experts 17. Action plan presentation 18. Sharing training outcomes, such as an action plan, in participant's organizations 19. Discussion and Promotion of an action plan in participant's countries/organizations 20. Examples of solution to a problem & lessons learned of the past of hydro-PP in Japan	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		