

Target Countries : Island Country

Course No. : 201984602-J002

No. : 201984602

Sector : Natural Resources and Energy/Renewable Energy

Sub-Sector : Natural Resources and Energy/Other Natural Resources & Energy Issues

Language : English

Outline

Introducing solar (PV) power generation and other renewable energy, there are technical difficulties to stable electricity especially in small size demand areas. Participants can learn the experiences and skills of Okinawa, where are a lot of islands and micro-grid systems (especially connecting PV power generation to multiple diesel generators in small size hybrid).

Objective/Outcome	Target Organization / Group	
<p>【Objective】 To understand the issues to be considered issues when introducing renewable energy in micro-grid systems, and acquire basic knowledge necessary for designing micro-grid utilizing renewable energy such as PV and wind (especially, connecting photovoltaic power generation to multiple diesel generators in small size hybrid system).</p> <p>【Outcome】 <Preparatory Phase> Comprehend the situation of power distribution and introduction of renewable energy especially in remote areas in each country. <Core Phase in Japan> Participants will be able to explain:1.to understand policies and regulations in Japan to promote introduction of renewable energy 2.to understand technical characteristics of PV and other renewable energy economic/accounting issues necessary for introducing PV generation 3.to understand the issues when introducing renewable energy to micro grid 4.to clarify the issues when participants introduce acquired knowledge in each home country and make action plan <Finalization Phase> To share the acquired knowledge with relevant people and clarify the issues to be tackled with priorities</p>	<p>【Target Organization】 Ministry or agency in charge of planning of introduction of renewable energy in micro-grid to island or remote areas.</p> <p>【Target Group】 Officers/ engineers working for government ministry or agency in charge of designing of micro-grid systems, who have 2 years or more relevant experiences. Age: 25-45 years old.</p>	
<p style="text-align: center;">Contents</p> <p>【Preparatory Phase】 Formulation of Country Report 【Core Phase in Japan】 Lectures on - policies, regulations & organizations in Japan relevant to introduction of renewable energy - mechanism and characteristics of power generation using PV and other renewable energy Site Visits to - private companies and factories of producing materials for PV power generation - remote islands with micro-grid systems using PV and wind power Practice of designing of micro-grid systems Presentation of acquired knowledge and the issues to be tackled in each home country <Finalization Phase> Sharing acquired knowledge with colleagues and other stakeholders and have discussion on the issues to be tackled with priorities</p>	Course Period	2019/6/16~2019/7/27
	Department in Charge	Industrial Development and Public Policy Department
	JICA Center	JICA Okinawa (Partnership)
	Cooperation Period	2017~2019

Implementing Partner Under Planning

Remarks and Website This Program aims to supplementary support realizing the concept of the Hi-Brid Island Concept.