

How to read the Program Outline

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※1	Solar Power Generation Technology 太陽光発電エネルギー技術		※2	PITD Trainers	1180236	
※5	Target Countries: Countries with the vision of introducing SHS		※8	9	participants	
※6	Sector : Natural Resources and Energy/Renewable Energy					
※7	Sub-Sector :					
	Language : English					
	Appeal					
※13	Appropriate operation and maintenance (O&M) is an important issue when introducing Photovoltaic (PV) system, and engineers with PV technology expertise will be needed to effectiveness and sustainability of the PV projects. The course will create sustainability on SHS by teaching O&M methodology to the engineers in the country with the vision of introducing SHS for rural electrification.					
	Objective / Output		Target Organization / Group			
※14	【Objectives】 To gain the fundamental knowledge and practical examples that is able to use to introduce of system, promotion of utilization, and maintenance management of solar power generation. 【Outputs】 (1) To understand the place of solar power generation in Japanese energy policy and its actual cases of generation applies. (2) To know and gain the techniques of principal of solar power generation (semiconductor material, solar battery) and its structure and production method (3) To learn the techniques of PV facilities, set up of equipments, maintenance and management (4) To learn the technology of cost evaluation, environmental assessment (5) To make an action plan to solve the problem of the organization which participants belong to		【Target Organizations】 Governmental organization of energy development 【Target Group】 Engineers working for energy-related government ministry, electric power public corporation, and other public organization with more than 3 years of experiences in the field			※15
	Contents		Program Period	2011 / 6/27 ~ 2011 / 9/7		
※16	(1) Japanese energy policy, needs, economic efficiency and future aspect of solar power generation (lectures) (2) General information of solar power generation, semiconductor material, solar battery, accumulator, electronic circuit, process of solar battery and module making, observation of information transmission/relay station (lectures, practices and observations) (3) Constitution, design and assembling of PV, system constitution according to the purpose of use, constitution and set up cases of system for home and industrial type, cases of middle scale PV system, observation of solar house and solar office (lectures, practices and observations) (4) Regional characteristics of PV, solar irradiation and amount of insolation, energy effective utilization, types of the solar battery and an evaluation method, structure of the solar battery and those characteristic evaluation, environmental assessment (lectures, practices and observations) (5) Action plan making		Implementing Partner	Under Planning		
			JICA Center	JICA Osaka, JICA Kyushu		
			Cooperation Period	2011~2013		
			Remarks and Website	Engineers with the background of SHS for rural electrification is highly recommended.		
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				※11	※12	
				※17		

*1 PROGRAM TITLE (English/Japanese)

*2 Types of Training

There are two types of Training and Dialogue Programs, Group, and Region-Focused.

- PITD: International Training and Dialogue (Group)
- PRTD: Region Focused Training and Dialogue

*3 Standard Category

JICA has classified Group and Region-Focused Training Programs into four standard categories as shown below, in order to clarify the objectives of the Group and Region-Focused Training Programs.

Standard category	Concept
Leaders Training Programs 【Leaders】	This type aims to enhance the capacity of the personnel that is involved in important decision makings in organizations or who is engaged in highly specialized areas.
Trainers Training Programs 【Trainers】	This type aims to disseminate the kinds of knowledge and skills which become significant with wide acquisition among groups. This type of program target at mid-level personnel of “front-line” occupations such as teachers, nurses and extension officers. Such program is implemented with the aim of the specified final beneficiaries gaining knowledge and skill through program participants, in addition to the development of the abilities of the participants themselves.
Solution Creation Programs 【Solution】	This type aims to facilitate problem solving in organizations or societies such as making improvements in the operation of organizations or the creation of political measures and the establishment of systems. Programs of this type provide opportunities for partner countries to consider the measures needed to solve the problems in their countries by using the Japanese experience as a reference.
International Dialogue Programs 【Int. Dialogue】	This type aims to share experience related to regional or global problems and to develop new knowledge. It promotes international dialogues and the creation of networks for important problems.

***4 PROGRAM NUMBER**

***5 TARGET COUNTRIES**

In the case of programs which require the participating countries to fulfill certain conditions such as geographical conditions, social circumstances, or representation in international conventions or bodies, the condition is shown here.

***6 GLOBAL ISSUES (SECTOR / SUB-SECTOR)**

***7 LANGUAGE**

Generally English to promote accessibility to all countries.

***8 CAPACITY**

Number of participants for each program.

***9 PROGRAM PERIOD**

Total period spent in Japan from arrival to departure. (NB: Subject to change)

***10 IMPLEMENTING PARTNER**

Organizations primarily responsible for implementation of the program.

***11 JICA CENTER**

JICA domestic center responsible for management of the program.

***12 COOPERATION PERIOD**

Fiscal years in which the program will be provided (normally 3 years).

***14 OBJECTIVE/ OUTPUT**

The objective or output which should be achieved by participants and/or participating organizations following completion of the program.

***15 TARGET ORGANIZATIONS / TARGET GROUP**

[Target Organizations] indicates the type of organization targeted by the program.

[Target Group] shows specific qualifications / requirements of participants.

***16 CONTENTS**

Description of the program in terms of issues and forms (i.e., lecture, practice, discussion etc).

In some cases, <Preparatory Phase> or <Post- program Activities> may be included as a part of the overall program.

<Preparatory Phase>

Activities which should be performed by participants / participating organizations prior to the visit to Japan (e.g. preparation seminar, research, report writing etc).

<Post-program Activities>

Activities which should be performed in the home country following completion of the Program in Japan, so as to diffuse outputs of the program from individual participants to the participating organization or society of recipient country (e.g. implementation of Action Plan, submission of Final Report etc).

***17 REMARKS AND WEBSITE**

Other information relevant to the program, such as the background, details of partner organization and bodies, qualifications / academic degrees available to participants etc. as well as website address are provided here.