



TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

Policy Planning for Energy Efficiency & Conservation (B)

集団研修「省エネルギー政策立案 (B)」

JFY 2013

<Type: Solution Creation / 類型: 課題解決促進型>

NO. J1300734 / ID. 1380316

From September 2013 to March 2014

Core Phases in Japan: From 10 November 2013 to 12 December 2013

This information pertains to one of the Training and Dialogue Programs of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

I. Concept

Background

Energy efficiency and conservation (EE&C) refer to efforts made “to reduce superfluous energy consumption” and “to increase energy efficiency in terms of technical development”. Not only does it reduce the amount of energy consumption *per se*, but it also contributes to vitalizing the economy through improvement of energy efficiency and shift to energy saving products.

Attention to environmental conservation and sustainable energy has grown over the years, and it is vital that all countries take proactive stance on EE&C.

Japan highly depends on energy resources abroad, however, in the wake of two oil crises in the 1970s, the society came together to improve energy efficiency and led Japan’s energy conservation to the highest level amongst the world. Through the experience, Japan holds a great comparative advantage in the field of EE&C both in terms of technology and system.

One of the key areas addressed under Japan’s mid-term policy on ODA is global warming which promotes measures to reduce greenhouse gases and adaptation to climate change. The training program is in line with the policy of Japan and will provide the participants essential knowledge to act upon energy conservation.

For what?

This program is designed to provide participants with information and knowledge on administrative and technical aspects of energy efficiency and conservation (EE&C) measures in Japan. At the end of the training period, the participants will be able to make practical contributions to the EE&C policy and energy saving efforts done in home countries.

For whom?

This program is offered to governmental or government-related organizations in charge of energy efficiency and conservation (EE&C) measures and activities. Candidates are expected to have some experiences in the field of energy conservation planning.

How?

Prior to the training program, participants are asked to identify problems related to energy efficiency and conservation (EE&C) in the country, the organization and individual tasks. Through lectures, field trips and numerous group discussions, participants will gain essential knowledge of technology, policies, and promotional activities in the field of EE&C. In the end of the training, participants will be able to formulate action plans and to propose energy conservation policy in the home country.

II. Description

1. Title (J-No.):

Policy Planning for Energy Efficiency & Conservation (B)(J13-00734)

2. Period of program

Duration of whole program:	September 2013 to March 2014
Preliminary Phase: (in a participant's home country)	September 2013 to November 2013
Core Phase in Japan:	10 November to 12 December 2013
Finalization Phase: (in a participant's home country)	December 2013 to March 2014

3. Target Regions or Countries

Azerbaijan, Bosnia and Herzegovina, Costa Rica, Dominica, Fiji, Honduras, Iran, Jamaica, Malaysia, Philippines, Serbia, Saint Christopher and Nevis, Zambia

4. Eligible / Target Organization

This program is offered to officers working in governmental or government-related organizations in charge of energy efficiency and conservation (EE&C) activities

5. Total Number of Participants

15 participants

6. Language to be used in this program: English

7. Program Objective:

With extended knowledge and experiences gained from the training, participants will draft a policy proposal of Energy Efficiency and Conservation (EE&C) which addresses needs and problems of their country.

8. Overall Goal

The policy proposal drafted during the training will serve as a reference or foundation of Energy Efficiency and Conservation (EE&C) policy and activities in respective countries. Policy-making ability will improve during the process.

9. Expected Module Output and Contents:

This program consists of the following components. Details of each component are given below.

(1) Preliminary Phase in a participant's home country
(September 2013 to November 2013)
Applicants must prepare the following documents. These documents will play an essential part of the training program and should be filled out in full. The output of this program is Policy Proposal (referred to in ANNEX V), and the theme of the Policy Proposal should be discussed with your supervisor in advance.

Expected Module Output
(All the following documents should be prepared at the time of application)

Country Report	All applicants are asked to fill out ANNEX I. Country Report should be able to provide national profile and status of EE&C in your country.
Job Report	All applicants are asked to fill out ANNEX II. Job Report should describe your tasks and assignments of EE&C at work.

(2) Core Phase in Japan
(10 November 2013 to 12 December 2013)
Selected applicants attend the Program implemented in Japan.

Expected Module Output <i>(Please also refer to conceptual diagram of the program in Annex IV.)</i>		Methodology
Unit 1	<ul style="list-style-type: none"> • Understand EE&C history, policies, laws and measures in Japan. • Consider feasibility of Japan's experiences in ones' country. 	Lectures
Unit 2	<ul style="list-style-type: none"> • Obtain essential knowledge of Japan's EE&C technology. • Comprehend the details and effect of EE&C activities in Japan • Consider feasibility of Japan's experiences in one's country 	Lectures, exercises and field trips
Unit 3	Based on the knowledge and methods achieved throughout the training program, participants will be able to draft a policy proposal and an action plan applicable to ones' country and to take substantive action at work.	Lectures, exercises, presentations, group discussions

(4) Finalization Phase in a participant's home country
(December 2013 to March 2014)
Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.

Expected Module Output

To share and discuss the policy proposal with colleagues and supervisors at work and compile a final report that describes the EE&C activities followed-up after returning home.

III. Conditions and Procedures for Application

1. Expectations for the Participating Organizations:

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section II -9 .
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section II -9.

2. Nominee Qualifications:

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

- 1) Officers in governmental or related organizations in charge of EE&C
- 2) Officers in charge of policymaking. Officers with pure engineering duties will not make the best of the program.
- 3) Will be engaged in policy making after the program
- 4) Be a graduate of university
- 5) Have a sufficient command of spoken and written English, and be able to have active discussions in English
- 6) Health: must be in good health, both physically and mentally, to participate in the Program in Japan
- 7) Must not be serving any form of military service.

(2) Recommendable Qualifications

- 1) be under forty-five (45) years
- 2) have more than 3 years of experience in the field of EE&C
- 3) have an engineering background

3. Required Documents for Application

(1) **Application Form:** The Application Form is available at the respective country's JICA office or the Embassy of Japan.

*Pregnancy

Pregnant pa

rticipants are strictly requested to attach the following documents in order to minimize the risk for their health.

① letter of the participant's consent to bear economic and physical risks

② letter of consent from the participant's supervisor

③ doctor's letter with agreement of his/her training participation.

Please ask National Staffs in JICA office for the details.

(2) **Country Report (ANNEX I):** Country Report should be sent together with Application Form.

(3) **Job Report (ANNEX II):** to be submitted with the application form.

4. Procedure for Application and Selection :

(1) Submitting the Application Documents:

Closing date for application to the JICA Center in JAPAN: **9 September 2013**

Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.

(2) Selection:

After receiving the document(s) through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to the responsible JICA Center in Japan, which organizes this project. Selection shall be made by the JICA Center in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. *The organization with intention to utilize the opportunity of this program will be highly valued in the selection.*

(3) Notice of Acceptance

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government **no later than 9 October 2013.**

5. Conditions for Attendance:

(1) to comply with the program schedule,

(2) not to change the program subjects or extend the period of stay in Japan,

(3) not to bring any members of their family,

(4) to return to their home countries at the end of the program in accordance with the

travel schedule designated by JICA,

- (5)** to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6)** to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (7)** to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA.
- (8)** to participate in the whole program including a preparatory phase prior to arrival in Japan. Applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section II-9.

IV. Administrative Arrangements

1. Organizer:

- (1) **Name:** JICA Kyushu
- (2) **Contact:** kicctp@jica.go.jp

2. Implementing Partner:

- (1) **Name:** Kitakyushu International Techno-Cooperative Association (KITA)
- (2) **URL:** http://www.kita.or.jp/english/e_index.html
- (3) **Address:** International Village Center 4F, 1-1-1, Hirano, Yahata-Higashi-Ku, Kitakyushu City, JAPAN 805-0062

3. Travel to Japan:

- (1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.
- (2) **Travel Insurance:** Term of Insurance: From arrival to departure in Japan. The traveling time outside Japan shall not be covered.

4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA Kyushu International Center (JICA KYUSHU: KIC)
Address: 2-2-1, Hirano, Yahata-Higashiku, Kitakyushu-shi, Fukuoka
805-8505, JAPAN
TEL: 81-93-671-6311 FAX: 81-93-671-0979
(where “81” is the country code for Japan, and “93” is the local area code)

If there is no vacancy at JICA KYUSHU, JICA will arrange alternative accommodations for the participants.

5. Expenses:

The following expenses will be provided for the participants by JICA:

- (1) Allowances for accommodation, living expenses, outfit, and shipping
 - (2) Expenses for study tours (basically in the form of train tickets)
 - (3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)
 - (4) Expenses for program implementation, including materials
- For more details, please see p. 9-16 of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given to the selected participants before (or at the time of) the pre-departure orientation.

6. Pre-departure Orientation:

A pre-departure orientation will be held at the respective country’s JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

V. Other Information

The participants are kindly requested to bring their laptop computer for making reports, if they have one. There will also be computers available for usage at JICA Kyushu Center (KIC).

VI. ANNEX:

- I. Country Report
- II. Job Report
- III. Conceptual diagram
- IV. Flow of the program
- V. Tentative Schedule of Policy Planning for Energy Efficiency & Conservation(B) - 2013

Country Report

Please fill out the following data in the last 2 years (2010 or 2011), and/or the latest fluctuation trend in the relevant section. In principle, data are required to be of a fiscal year.

(1) National Profile

- a. Population: _____
- b. Land area : _____ km²
- c. GDP: _____ US\$
- d. Fiscal Year (ex. Japanese fiscal year: from April 1 to March 31 of the next year)
-
- e. Energy/GDP: _____ toe*/million US\$
(*toe: Ton of Oil Equivalent = 1×10^7 kcal)

(2) Status of Energy Efficiency and Conservation (EE&C)

a. The basic energy policy

Please describe the basic energy policy related to energy efficiency and conservation (EE&C) and environmental protection in your country.

b. The energy conservation related laws or decrees:

If you have energy conservation law, EE&C related laws or decrees, please describe them briefly.

- Enacted date
- Purpose of enactment
- Summary of laws
- Organization in charge

c. Master plan and project

Please describe your country's master plan and project including international cooperation about energy conservation.

- Designated data
- Name of the Master Plan and/or Project
- Organization in charge
- Summary of the Master Plan and/or Project

ANNEX I

(e.g. Annual schedule, target in each stage, etc.)

d. Organization for Energy Efficiency and Conservation (EE&C), if any.

Please draw an organizational chart, specifying energy (efficiency and conservation) related section in the Ministry, association and/or center.

e. Energy Efficiency & Conservation (EE&C) project which you are engaging in.

Please describe your project which you are engaging in. Contents are

- Project Outline
- Project Scale
- Term of the project
- Organization in charge
- Progress situation
- Problems to solve

(3) Other Information concerning EE&C in your country

- a. If you have any special (or unique) EE&C activities in your country , please describe them :
- b. What kind of training course for EE&C is taking place or being planned in your country?

ANNEX I

(4) Energy Situation Data (2010 or 2011) and its Trend **(Each participant is required to submit.)**

a. Trend in Energy Supply and Demand

(a) Primary Energy Supply

Fiscal year		2010 or 2011	Trend(up, flat, down)
Types of energy			
Primary Energy Supply (total) (Unit: Billion kcal)			
Shares by fuel (%)	Petroleum		
	Coal		
	Natural gas		
	Nuclear power		
	Hydro power		
	Biomass		
	New energy resources, etc.		

(Source: _____)

(b) Final energy consumption

Fiscal year		2010 or 2011	Trend(up, flat, down)
Energy consumption			
Final energy consumption (total) (Unit: Billion kcal)			
Ratio of Sectors (%)	Transport Sector		
	Industrial Sector (*)		
	Residential Sector		
	Commercial Sector		
	(Others)		

(Source: _____)

* Including agriculture, forestry, fishery, mining and construction

ANNEX I

b. Primary Energy Source

Produced , Imported, Exported and Domestic Energy Supply

(Unit: Billion kcal)

Fiscal year Types of energy		2010 or 2011			
		Indigenous Production (1)	Import (2)	Export (3)	Domestic Supply (1)+(2)+(3)*
Total amount of energy					
Break down	Petroleum				
	Coal				
	Natural gas				
	Nuclear power				
	Hydro power				
	Biomass				
	New energy resources, etc.				

Note*: Amount of domestic supply should equal the amount in (a) primary energy supply.

(Source: _____)

c. Component of Electric Power Supply by Type of Fuel

Fiscal year		2010 or 2011	Trend(up, flat, down)
Types of fuel			
Electric Power Supply (total) (Unit: GWh)			
Component (%)	Petroleum		
	Coal		
	Natural gas		
	Nuclear		
	Hydro		
	Solar light & heat		
	Wind power		
	Biomass		
	Other Fuel		
	Imported		

(Source: _____)

ANNEX I

d. Energy Consumption in Industries

(Unit: Billion kcal)

Fiscal year		2010 or 2011	Trend(up, flat, down)
Types of Industry			
Agriculture, Forestry and Fishery			
Mining			
Construction			
Manufacturing industry			
Break down (*)	Food		
	Fibers		
	Chemical industries		
	Iron and Steel		
	Non-Ferrous Metal		
	Metal and Machinery		
	Paper and Pulp		
	Ceramics and Cements		
	Others		

(Source: _____)

* If your country has its own way of classification, please fill in it according to your classification.

e. Energy End Use Price

Fiscal year		2010 or 2011	Trend(up, flat, down)
Types of energy			
Gasoline (US cent/L)			
Electricity for industry (US cent/kWh)			
Electricity for household (US cent/kWh)			

(Source: _____)

f. Subsidies and Preferential Taxation Systems for Energy Price

If your country has any subsidies and preferential taxation systems for energy price, please explain.

ANNEX II

Name of Training Course	Policy Planning for Energy Efficiency & Conservation (B)
Name of Applicant	
Name of Country	
Name of your organization	
Present post	
Email address	

Job Report

Remarks 1: The Report should be typewritten in English (12-point font, A4 size paper), and total pages of the report should be limited to 3 pages (not including organization chart).

Remarks 2: Each participant will have a meeting with course leader based on this Job Report and Country Report at the early stage of the training in order to make training more effective and fruitful by comprehending each participant's situations and problems.

Remarks3: Please itemize your answer and make them specific.

1. Organization and main tasks (up to 1 page)

(1) Main tasks of the organization

(2) Organization chart:

Please draw a chart of your organization including the department (section) names with the number of staffs in it and mark where you are positioned.

(The chart should be attached and not be counted in this page limit.)

Please describe a duty of each department (section) briefly.

(3) Brief description of your assignments.

(4) What kind of problems you are facing in your job or in your organization concerning Energy Efficiency and Conservation (EE&C) .

ANNEX II

2. Expectations for the training course (up to 1 page)

- (1) Your purpose of participating in this course

- (2) Subjects of the course which you are interested in the most

- (3) How do you expect to apply skills and knowledge that you will gain through the module (refer to Annex IV) to tackle problems in your home country?

- (4) Other matters which you are expecting to obtain from the course.

3. Have you ever learned the following subjects in your work? We want to know your work experience. Please check either "Yes" or "No".

If your answer is "Yes", please fill out the number of years you have engaged in the respective work under the item "Years".

	Yes	No	Years
1) Energy policy	()	()	()
2) Energy audit and diagnosis	()	()	()
3) Energy management/ Planning of energy conservation	()	()	()
4) Energy technology..... (e.g., inverters, lighting, waste heat recovery)	()	()	()
5) Other ()), Years ()

If you check " 5) Other " , please specify subject associated with energy conservation technique, not covered in items " 1) " to " 4) "

Conceptual Diagram of “Policy Planning for Energy Efficiency and Conservation (B)”

Overall goal

Participants further improve the abilities for planning energy saving policies through implementation of policy proposal prepared in the course; and for drawing up of new policy proposal and long-term action plans.

Program Objective

Participants achieve the goals for each unit, and reinforce their own abilities for planning energy saving policies.

Unit Objective III

Participants prepare policy proposal and action plan on the basis of energy circumstances and actual conditions of energy saving policies in their own countries by utilizing knowledge and methods acquired through the course, and take relevant action at work.

Unit Objective

Participants understand a summary of EE&C history, policies, laws and measures in Japan and are able to consider the possibility of applying the knowledge to their countries

Unit Objective

Participants understand fundamental knowledge concerning energy saving technologies and specific contents and effects of energy saving promotion activities in Japan, and can compare the technologies and activities in Japan with those in their own countries, and consider the possibility of the application thereof to their own countries.

Brought-in issues

Unit I

- Administration of energy saving in Japan
- History of administration and promotion of energy saving in Japan
- Energy saving law system in Japan
- Global warming countermeasures in transportation sector
- Energy saving policy for small & medium enterprise
- Energy saving measures in civilian sector
- Administration of energy saving for buildings and construction in Fukuoka City
- Trend of energy efficiency in Japan and policy for Technology development
- Energy saving standard and energy diagnosis
- Environmental policy of local government

Unit II

- Energy saving technologies and energy saving promotion activities in Japan
- [Lecture]
- Energy saving of lighting in plant
- Energy conservation for Air conditioner
- Outline of Waste Heat Utilization
- Essentials of EE&C technology
- [Study tour]
- CO-OP Kyoto / energy saving example in a supermarket
- Daikin Ind., Ltd. / energy saving example in manufacturing company
- Azbil Co., Ltd. / energy saving in building
- Waste resource recycling community
- Kougasaki Incineration Facility (Waste disposal site)
- Kitakyushu Environment Museum
- Eco-town / Home appliance recycling, etc.

Unit III

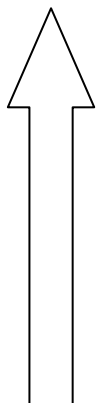
- Policy planning
- Guidance on recognition of issues
- Concept of Policy planning and practice
- Preparation of policy proposal & action plan, and exchange of opinions thereon
- Preparation of policy proposal & action plan

ANNEX V

Flow of the Program (Policy Proposal and Final Report)

“Policy Planning for Energy Efficiency & Conservation (B)” JFY 2013

Submission of Final Report (due date: 12 March 2014)

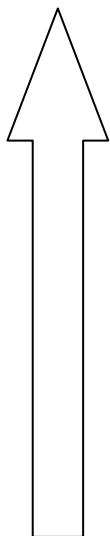


The participants are required to share the contents of the Policy Proposal at your organization and compile a Final Report within three months after returning home. The participants are expected to contribute to development of EE&C activities in each country through formulation of the Final Report and follow-ups. Please e-mail the Report to JICA Kyushu **by, 12 March 2014**, using Microsoft Word.

The Final Report should include the following items,

- result of discussion with your superior or colleague in your organization,
- comments on your Policy Proposal from your superior and/or colleagues,
- points revised on your Policy Proposal after returning your country, if any, and,
- any other points to be added to your Policy Proposal.

Presentation of Policy Proposal (at the final stage of the program in Japan)

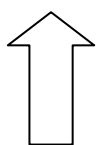


The Policy Proposal is the output of the program in Japan. Participants are required to prepare a proposal to solve the core problems concerning EE&C activities in terms of policy making and institution building in your country. Each participant will present his/her Policy Proposal at the final stage of the program in Japan, using Microsoft Power Point.

The Policy Proposal should include items below;

- the title of the policy proposal,
- analysis of the core problem of EE&C in your country that you identified during the training in Japan,
- the contents of your proposal for solving the core problem and your commitment to the proposal,
- the schedule to realize your action plan (your commitment)
- what you learned through the program and the things you can apply to the development of EE&C in your country.

Program in Japan



Through lectures, site visits, practices, presentations and discussions, the participants will obtain essential ideas and suggestions to formulate a policy proposal, which will contribute to solving problems/issues on EE&C policy and institution building in each country.

Job Report Hearing (right after arrival in Japan)

In the meeting, participants will discuss their Job Report, and Country Report with the course leader. This is the starting point of the program in Japan for all selected participants.

ANNEX V

Tentative Schedule of Policy Planning for Energy Efficiency & Conservation(B) - 2013

(The schedule is subject to minor changes)

			L : Lecture, P : Practical exercise, F : Field practice, Plant visit				
M	D	W	Morning Session (9:30-12:30)		Afternoon Session (13:30-16:30)	type	
	10	Sun	Arrival to Japan				
	11	Mon	9:40-15:00 JICA Briefing 15:30-16:00 Program Orientation (JICA/Nishida) 16:00-16:30 KITA Orientation (KITA/Toyota)				
	12	Tue	General Orientation(JICA)				
	13	Wed	Guidance on How to prepare Policy Proposal and Action Plan (Sr.1,2) [KITA/Kawaguchi· Ueyama] III	L	13:30-18:30 Job Report Hearing (Sr.6)[KITA/Kawaguchi· Ueyama] III	L/P	
	14	Thu	Concept of Policy Planning & Practice-1 (Sr.1,2) [KITA/Kawaguchi· Ueyama] III	L	13:30-18:30 Job Report Hearing (Sr.6)[KITA/Kawaguchi· Ueyama] III	L/P	
	15	Fri	Concept of Policy Planning & Practice-2 (Sr.1,2) [KITA/Kawaguchi· Ueyama] III				L/P
	16	Sat	(Holiday)				
	17	Sun	(Holiday)				
Nov.	18	Mon	Energy Law System in Japan (Sr.1,2) [Eco Check Network Japan/Tanaka]I				L
	19	Tue	History of Administration and Promotion of Energy Saving in Japan (Sr.1,2)[KITA/Kawaguchi] I	L	Energy Saving measures in Civilian Sector (Sr.1,2) [KITA / Ueyama] I	L	
	20	Wed	Confirmation of Issues (Sr.6, Sr.7) [KITA/Kawaguchi· Ueyama] III				L/P
	21	Thu	Policy for Energy Conservation at SME (Sr.1,2) [KITA / Ueyama] I		Kitakyushu → Tokyo	F	
	22	Fri	Global warming countermeasures in transportation sector (Kasumigaseki) [Ministry of Land, Infrastructure, Transport and Tourism]I	L	14:30-17:00 Visit to Azbi I- Energy Conservation in Building - (Fujiwara)[Azbi/Ishikura] II	L	
	23	Sat	(Holiday)				
	24	Sun	Tokyo → Kyoto		Kyoto Bus Tour		
	25	Mon	Energy saving of lighting 1 (Kyotanabe) [Panasonic Eco Solutions Business Consulting & Training/Senda] II				F
	26	Tue	Energy saving of lighting 2 (EL inn Kyoto) [Panasonic Eco Solutions Business Consulting & Training/Senda] II		14:00-16:30 Visit to Super Market(Kyoto) [Kyoto-COOP/Nakagaki, Final Gate/Makinoda] II	L	
	27	Wed	Visit to DAIKIN Ind.,Ltd. (Siga)	L	Shiga → Kitakyushu	L	
	28	Thu	Energy management standard and Energy diagnosis (Sr.1,2) [Eco Check Network Japan/Tanaka]I				L
	29	Fri	10:00-12:00 Visit to Recycling Based Community (Biomass recycling system) [Ooki-Town Office in Fukuoka Prefecture/Matsuuchi]I	F	14:30-17:00 Administration of Energy Saving for buildings and constructions in Fukuoka (Fukuoka) [Fukuoka City Housing & Urban Planning Bureau / Taniguchi] I	L	
	30	Sat	(Holiday)				
	Dec.	1	Sun	(Holiday)			
2		Mon	(AP) Outline of Waste Heat Utilization (Sr.1,2) [KITA/Yamato] II	L	Energy conservation for Air conditioner (Sr1,2) [CE engineering/Nakamura] II	L	
3		Tue	Guidance on Policy making -1(Sr6, Sr7)[KITA/Kawaguchi· Ueyama] III				L/P
4		Wed	(AP) 9:30-12:00 Environmental policy of local government (Sr.1,2) [City of Kitakyushu Environment Bureau / Kawai]I	L	Fundamentals of Energy Conservation Technology 1 (Sr.1,2) [Kyushu Institute of Technology/Nishi] II	F	
5		Thu	Fundamentals of Energy Conservation Technology 2 (Sr.1,2) [Kyushu Institute of Technology/Nishi] II	L	Guidance on Policy making -2(Sr6, Sr7)[KITA/Kawaguchi· Ueyama] III	L/P	
6		Fri	(AP) Trend of energy efficiency in Japan and policy for Technology development (Sr.1,2) [KITA/Ueyama] I	L	14:00-16:30 Visit to Kitakyushu Environment Museum (Yahatahigashi)[Environment Museum / Nakazono] II	F	
7		Sat	(Holiday)				
8		Sun	(Holiday)				

ANNEX V

			L : Lecture, P : Practical exercise, F : Field practice, Plant visit			
M	D	W	Morning Session (9:30-12:30)		Afternoon Session (13:30-16:30)	type
Dec.	9	Mon	Resource and energy problem (Sr1,2) [KITA/Ueno] I	L	14:00-16:00 Visit to Eco-town (Wakamatsu) II	F
	10	Tue	Visit to incineration Facility (Yahatanishi) [Kougasaki Incineration Site/Nakashima] II	L	13:30-18:30 Policy Proposal & Action Plan Presentation and Discussion (Sr.1,2) [KITA/Kawaguchi· Ueyama] III	P
	11	Wed	9:30-11:00Evaluation Meeting (Sr.1,2)[JICA/]	P	13:30-16:30 Presentation of Policy Proposal & Action Plan (Sr1,2) [JICA/] III 17:00-17:30 Closing Ceremony (Main Conference Room)[JICA/]	P
	12	Thu	Departure from Japan			
(Place, Sr: KIC Seminar Room) 、 [Affiliation & name of Lecuturer] , I,II,III: No. of Unit Target						

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



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