



Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

Energy Policy(B)

課題別研修「エネルギー政策 (B) 」

JFY 2017

NOJ1704077/ ID. 1784585

Course Period in Japan: From June 28, 2017 to July 29, 2017

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) 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.

'JICA Knowledge Co-Creation Program (KCCP)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *"In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together."* We believe that this 'Knowledge Co-Creation Program' will serve as a center of mutual learning process.

I. Concept

Background

With rapid economic development in recent years, global energy demand is expected to increase further particularly in developing countries. In this context, if a stable supply energy is not ensured and proper consideration is not given to environment, concerns over constraints on energy supply and demand, skyrocketing energy prices and increase in carbon dioxide emissions will possibly become more serious, which leads to a substantial negative impact on sustainable development in developing countries as well as global economy and environment including Japan. Currently, developing countries are also requested to pursue the perspective of ensuring national energy security and efficient utilization of domestic resources in order to establish comprehensive energy policy and supply-demand forecasting.

For what?

This program aims to contribute to solving aforementioned issues by providing the participating countries with knowledge on energy situation and its policy transition in Japan and in the world to support the formulation of future activities for their energy policy making based on energy supply-demand forecasting as well as energy balance.

For whom?

This program is offered to an executive energy policy formulation officer of Ministry of Energy or equivalent. of governmental agencies.

How?

Participants shall have opportunities to identify approaches and strategies to ensure program effectiveness, enhance knowledge of energy policy, and improve policy planning viability. Participants will also formulate an action plan describing what the participant will do after they go back to home country putting the knowledge and ideas acquired and discussed in Japan among others into their on-going activities.

II. Description

1. Title (J-No.): Energy Policy (B) (J1704077)

2. Course Period in JAPAN

June 28, 2017 to July 29, 2017

3. Target Regions or Countries

ANGOLA, CAPEVERDE, EGYPT, ETHIOPIA, GHANA, KENYA, MALAWI, NIGERIA, PERU, SOUTH AFRICA, TANZANIA, TURKEY, UGANDA, ZAMBIA

4. Eligible / Target Organization

This program is offered to governmental agencies such as Ministry of Energy which are engaged in energy policy formulation.

5. Course Capacity (Upper limit of Participants)

14 participants

6. Language to be used in this program: English

7. Course Objective:

A draft policy plan contributing to the formulation of comprehensive energy policy at national level based on each country's characteristics and issues will be formulated in the participating organization.

8. Overall Goal

A comprehensive energy policy at national level with a medium to long term perspective will be drawn up and implemented.

9. Expected Module Output and Contents:

Module deals with various energy policies (Oil & Gas / Coal / Electricity / Energy Conservation / New and Renewable Energy and current situation in Japan). This program consists of the following components. Details on each component are given below:

Expected Module Output	Subjects/Agendas	Methodology
(1) Energy situation and issues in each country are shared among the participants and priority issues are examined.	Country Report Presentation	Presentation and Discussion
(2) Challenges in energy policy in each country are clarified through understanding and comparing changes and current status of energy situation/energy policies in Japan and the rest of the world.	Energy Demand Forecasting in the World/Asia, Energy Policy in Japan (Oil & Gas / Coal / Electricity / Energy Conservation / New and Renewable Energy), Approach to Global Environmental Issues / Energy Balance Table / Observation: Thermal Power Plant, Renewable Energy, etc.	Lecture, Discussion and Observation

(3) Concepts and methods of energy supply-demand forecasting, energy balance and energy best mix are understood and their applicability in each country is examined.	Survey Technique for Energy Statistics Data, Energy Data Base Construction, Energy Balance Table, Energy Demand Forecasting Exercise, Scenario Analysis for Energy, etc.	Lecture, Discussion and Practice
(4) A draft Policy Plan of specific countermeasures which contribute to solving challenges in each country is formulated.	Draft Policy Plan Presentation	Consultation and Presentation

<Reference for Schedule in 2017 > *Details of the schedule are subject to change.

DATE		TIME	CONTENTS	VENUE
28-June	Wed		Arrival	-
29-June	Thu		JICA Briefing & Program Orientation	JICA Tokyo
30-June	Fri		General Orientation	JICA Tokyo
1-July	Sat	-	Off	
2-July	Sun	-	Off	
3-July	Mon	AM	Welcome Address and Orientation by IEEJ Lecture (L): International Energy Situation	IEEJ
		PM	Country Report Presentation	
4-July	Tue	AM	Country Report Presentation	IEEJ
		PM	L: Energy Policy in Japan (Oil & Gas) L: Energy Policy in Japan (Coal)	
5-July	Wed	AM	L: Energy Policy in Japan (Renewable Energy)	IEEJ
		PM	L: Energy Policy in Japan (Electricity & Nuclear Power) L: Energy Policy in Japan (Energy Conservation)	
6-July	Thu	AM	Transfer to Koriyama, Fukushima Pref. Observation (O): Woody Biomass Power Generation	Fukushima Pref.
		PM	O: Fukushima Renewable Energy Institute Transfer to Tokyo	
7-July	Fri		L: Energy Data Collection and Energy Balance Table	IEEJ
8-July	Sat		Off	-
9-July	Sun		Transfer to Beppu, Oita Pref.	Oita Pref.-
10-July	Mon	AM	O: Geothermal Binary Power Generation O: Power from Sewage Sludge Gas	Oita Pref. Fukuoka Pref.
		PM	O: Micro Hydro Power Generation Transfer to Kitakyushu, Fukuoka Pref.	
11-July	Tue	AM	O: Next Generation Energy Park O: Wind Power Generation O: Petroleum Stockpiling Base	Fukuoka Pref. Hiroshima Pref.

		PM	O: LNG Receiving Terminal Transfer to Hiroshima Pref. O: Hiroshima Peace Memorial	
12-July	Wed	AM	Transfer to Osaki Observation: Thermal Power Generation (Oxygen-blown IGCC)	Hiroshima Pref. Kyoto Pref.
		PM	Transfer to Kyoto Pref.	
13-July	Thu	AM	O: Kyoto Morning Tour	Kyoto Pref. Tokyo
		PM	Transfer to Tokyo	
14-July	Fri	AM	L: Energy Demand Forecasting in the World/Asia	IEEJ
		PM	Interim Review	
15-July	Sat		Off	-
16-July	Sun		Off	-
17-July	Mon		Off (National Holiday)	
18-July	Tue		O: Thermal Power Generation (LNG) O: Thermal Power Generation (Coal)	Kanagawa Pref.
19-July	Wed		Exercise: Energy Demand Forecasting	IEEJ
20-July	Thu		Exercise: Energy Demand Forecasting	IEEJ
21-July	Fri		Exercise: Energy Demand Forecasting	IEEJ
22-July	Sat		Off	-
23-July	Sun		Off	-
24-July	Mon	AM	O: Waste Power Generation	TokyoTokyo IEEJ
		PM	Discussion with Lecturers	
25-July	Tue		Exercise: Scenario Analysis	JICA Tokyo
26-July	Wed	AM	Preparation of Action Plan	JICA Tokyo
		PM	Group Discussion for Action Plan	
27-July	Thu	AM	Action Plan Presentation	IEEJ
28-July	Fri	AM	JICA Evaluation Meeting	JICA Tokyo
		PM	Closing Ceremony	
29-July	Sat		Departure	-

III. Conditions and Procedures for Application

1. Expectations from 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) **Current Duties:** be a managerial level official in a policy planning division belonging to Ministry of Energy, or equivalent of governmental agencies.
- 2) **Experience in the relevant field:** more than 3 (three) years of experience in the fields
- 3) **Educational Background:** University graduate or its equivalent
- 4) **Age:** between the ages of thirty (30) and fifty (50) years
- 5) Have an ability to operate spreadsheet software "Microsoft Excel" and "Microsoft Power Point", excepting the beginner.
Note: This course requires PC operation regarding exercise of energy demand forecasting. Please see "Note" on 3., below.
- 6) **Language:** have a competent command of spoken and written English which is equal to TOEFL IBT 79-80 (CBT 213, PBT 550) or more (This course includes active participation in discussions and intensive policy proposal writing, thus requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc.)
- 7) **Health:** must be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

3. Required Documents for Application

(1) Application Form:

The Application Form is available at **the JICA office (or the Embassy of Japan)**.

Note: Please select one from three categories and write your PC skill level of "Microsoft Excel" on 3. 10) Others of Part B on Page 8/12 in Application Form.

- **Category 1 :** I have never used "Microsoft Excel" or "Microsoft Power Point".
- **Category 2:** I am a beginner of "Microsoft Excel" or "Microsoft Power Point" .
- **Category 3:** I am intermediate or upper level of "Microsoft Excel" by using functions.

- (2) **Photocopy of passport:** to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

- (3) **Nominee's English Score Sheet:** to be submitted with the application form. If you have any official **documentation** of English ability. (e.g., TOEFL, TOEIC, IELTS)

4. Procedures for Application and Selection :

(1) Submission of the Application Documents:

Closing date for application to the JICA Center in JAPAN: **April 28, 2017**

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 documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.* Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(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 by **not later than May 28, 2017.**

5. Document(s) to be submitted by accepted candidates:

Accepted candidates are required to make a Country Report and to submit it by due date. See ANNEX VI " in detail.

6. Conditions for Attendance:

- (1) to strictly adhere to the program schedule.
- (2) not to change the program topics.
- (3) not to extend the period of stay in Japan.
- (4) not to be accompanied by family members during the program.
- (5) to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6) to refrain from engaging in any political activities, or any form of employment for profit or gain.
- (7) 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.
- (8) to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

- (1) **Name:** JICA Tokyo International Center (JICA TOKYO)
- (2) **Address :** 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan
TEL: 81-3-3485-7051 FAX: 81-3-3485-7904
(Where "81" is the country code for Japan, and "3" is the local area code)
- (3) **URL :** <http://www.jica.go.jp/english/contact/domestic/>
- (4) **Contact :** **Akiko Abe (Ms.)**
Industrial Development and Public Policy Division
JICA Tokyo International Center
EM: tictip@jica.go.jp

2. Implementing Partner:

Implementing partner will be selected prior to start of training program in Japan.

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:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will not be covered.

4. Accommodation in Japan:

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

JICA Tokyo International Center (JICA TOKYO)
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Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan
TEL: 81-3-3485-7051 FAX: 81-3-3485-7904
(where "81" is the country code for Japan, and "3" is the local area code)

If there is no vacancy at JICA TOKYO, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL, <http://www.jica.go.jp/english/contact/domestic/pdf/welcome.pdf>

5. Expenses:

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

- (1) Allowances for accommodation, meals, 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 "III. ALLOWANCES" of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given before departure for Japan.

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 own laptop (windows OS) for making reports and exercise of Energy Demand Forecasting during the course. If impossible, the participants who don't bring their own personal computers to Japan must send E-mail below to inform by **9 June, 2017**.

Please refer the Course No.(J1704077) on the title of the E-mail.

E-mail address : Yamada.Ai@jica.go.jp (Ms.Yamada.Ai)

VI. ANNEX:

1. Country Report making and submission

Those who are informed of acceptance to participate in the Course are required to prepare a Country Report and submit it to JICA by e-mail [E-mail: tictip@jica.go.jp] **by June 16, 2017.** Please refer the Course No.(J1704077) on the title of the E-mail.

Country Report must be written in English by using Microsoft Power Point on the following issues,

- 1) General information of each country
- 2) Current energy policy and measures of each country
- 3) Past energy demand and supply (statistics) of each country
- 4) Outlook of energy demand and supply of each country
- 5) Major difficulties and bottlenecks currently faced in formulating energy policies of each country
- 6) Subjects you would like to study in the order of priority and the reason

2. Country Report Presentation

Participants will be requested to make a presentation of the Country Report during the training course. The purpose of the presentation is to find clues through discussion to solve issues your organization and your country faces. Due to the time restriction (20 minutes for each participant including questions and answers), the applicants are strongly encouraged to make the main points clear enough both in the Country Report and Presentation.

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 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.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

JICA Tokyo International Center (JICA TOKYO)
Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan
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