



Knowledge Co-Creation Program (Group & Region Focus)

General Information on

Energy Policy

課題別研修「エネルギー政策」

JFY 2024

Course No.: 202311627-J001

Course Period: From June 23, 2024, to July 20, 2024

This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA) 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)

The Japanese Cabinet released the Development Cooperation Charter in June 2023, which stated, *“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.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation 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 of 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. This may lead to a substantial negative impact on sustainable development in developing countries as well as global economy and environment.

Currently, developing countries are also requested to pursue the perspective of ensuring the planning and implementation of energy transitions toward decarbonization, national energy security, and efficient utilization of domestic resources in order to establish comprehensive energy policy and supply-demand forecasting. Balancing efforts to achieve a low-carbon/decarbonized society, energy security, and economic viability in energy policy is very important.

For what?

This program will provide participating countries with knowledge on the energy situation and its policy transition in Japan and the rest of the world, and on the utilization of decarbonization technologies in Japan, including hydrogen and ammonia utilization. Such knowledge would be very useful when they plan energy policies based on energy supply and demand projections and energy balances. It also aims to contribute to the planning and implementation of energy transitions toward decarbonization in developing countries where energy demand is increasing, by supporting their future activities.

For whom?

This program is offered to an official in charge of energy policy formulation in governmental agencies such as Ministry of Energy.

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.

Sustainable Development Goals (SDGs)

The United Nations Sustainable Development Goals (SDGs) were adopted as the 2030 Agenda for Sustainable Development by world leaders in September 2015, which now call for action by all countries. As a development cooperation agency, JICA is committed to achieving the SDGs. This program, which aims at creating a comprehensive energy policy and demand outlook, contributes to realizing the goal 7, 12 and 13, by striving stable supply of energy and consideration for the environment.



II. Description

1. Title (Course No.)

Energy Policy (202311627-J001)

2. Course Duration in Japan:

June 23 to July 20, 2024

3. Target Regions or Countries

BANGLADESH, BRAZIL, CAMBODIA, INDONESIA, JORDAN, LAOS, MALAWI, MALAYSIA, PAKISTAN, PAPUA NEW GUINEA, SOUTH AFRICA, TANZANIA, and TIMOR-LESTE

4. Eligible / Target Organization

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

5. Capacity

14 participants

6. Language

English

7. Objective(s)

A draft action plan, contributing to the formulation of comprehensive energy policy towards low carbonization/decarbonization at national level, based on each country's characteristics and issues, will be crafted.

Network among participants and between participants and JICA will be build.

8. Output and Contents

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

(1) Preliminary Phase in a participant's home country Participating organizations make required preparation for the Program in the respective country.		
Expected Output	Activities	
Submission of Country Report	Preparation and submission of Country Report aiming to make participants' issues clear	
(2) Core Phase (In Japan) (June 23 to July 20, 2024)		
Expected Output	Subjects/Agendas (Subject to minor changes)	Methodology
(1) Energy situation and issues in each country are shared among the participants and priority issues are examined.	Country Report Presentation (20 minutes for each participant including questions and answers)	Presentation and Discussion
(2) Understand changes and current status of energy situation/energy policies in Japan and the rest of the world. By comparing them with each country's situation, challenges in energy policy in each country are clarified.	Energy Policy Formation Process in Japan / Japan's Energy Sustainability Goal / Energy Policy in Japan (Oil & Gas / Coal / Electricity & Nuclear Energy / Energy Efficiency & Conservation / New and Renewable Energy/ Decarbonization), Approach to Global Environmental Issues / International Energy Situation/ World Energy Demand and Supply Outlook Site Visit: Thermal Power Plant, Renewable Energy, etc.	Lecture, Discussion and Site Visit
(3) Concepts and methods of energy demand forecasting, energy balance, energy best mix, and policies / technologies / business models on Carbon Neutrality, are understood and their applicability in each country is examined.	Survey and Management Methodology for Energy Statistics Data, Energy Database Construction, Understanding/Formulation of Energy Balance Table, Workshop: Energy Demand Forecasting, Scenario Planning, etc.	Lecture, Discussion and Exercise
(4) A draft Action Plan of specific countermeasures which contribute to solving challenges in each country is formulated.	Draft and presentation of Action Plan and discussion with experts.	Presentation and Discussion

< Structure of the Course >

Topic outline (subject to minor changes)

1st week (6/24-6/28)

- (1) Country report presentation
- (2) Energy policy formulation process in Japan
- (3) Japan's Energy sustainability goals
- (4) International energy situation
- (5) Energy policy in Japan (Oil, Gas, Coal, Electricity, Nuclear Energy, Decarbonization, Energy Conservation)

2nd week (7/1-7/5)

- (1) Energy policy in Japan (Renewable energy)
- (2) Global environment issues and energy
- (3) Energy statistics collection
- (4) Energy balance table
- (5) World energy demand & supply outlook
- (6) Site Visit: Incineration Plant
- (7) Site Visit: P2G demo site
- (8) Site Visit: Thermal Power Plant

3rd week (7/8-7/12)

- (1) Scenario Planning workshop
- (2) Site Visit: Offshore wind power generation
- (3) Site Visit: LNG base
- (4) Site Visit: Oil joint storage
- (5) Site Visit: Pumped storage power generation plant
- (6) Site Visit: Small-scale hydroelectric power plant

4th week (7/16-19)

- (1) Energy demand modeling workshop
- (2) Action plan creating/presentation

9. Attendance requirements and completion conditions

Attendance is required for all programs. Partial attendance is not acceptable. Completion requirements are attendance at all programs, submission of assignments, and passing level of assignments.

III. Eligibility and Procedures

1. Expectations from the Participating Organizations

- (1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.
- (2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.
- (4) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, applying organizations are expected to make due preparation before starting of this course.
- (5) Applying organizations are also expected to be prepared to make use of knowledge acquired by the nominees for the said purpose.

2. Nominee Qualifications

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

(1) Essential Qualifications

- 1) **Current Duties:** be an executive official/manager in a policy planning division belonging to Ministry of Energy, or equivalent of governmental agencies.
- 2) **Experience in the relevant field:** more than three (3) years of experience in the fields.
- 3) **Educational Background:** University graduate or its equivalent
- 4) Have an ability to operate spreadsheet software “**Microsoft Excel**” and “**Microsoft PowerPoint**”.

*Note: This course requires PC operation regarding exercise of energy demand forecasting.

- 5) **Language:** have a competent command of spoken and written English proficiency equivalent to TOEFL IBT 79-80 (CBT 213, PBT 550) or above (This course includes active participation in discussions and intensive policy proposal writing, thus requires high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc.)
- 6) **Health:** must be in good health to participate in the program in Japan. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of

following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.

(2) Recommendable Qualification

- 1) Age: between the ages of thirty (30) and fifty (50) years.
- 2) Gender Equality and Women's Empowerment:
Women are encouraged to apply for the program. JICA is committed to promoting gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.

3. Required Documents for Application

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

* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.

(2) Photocopy of Passport: You should submit it 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.

*The following information should be included in the photocopy:

Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date

(3) English Score Sheet: to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

4. Procedures for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).**

(All required material must arrive at **JICA Center in Japan** by **April 26, 2024**)

(2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the

Development Cooperation Charter of Japan.

(3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than May 24, 2024**.

5. Additional Document(s) to be Submitted by Accepted Candidates

Only accepted candidates are required to prepare a Country Report and to submit it by **June 17, 2024**. Details of the content will be provided after the notice of acceptance.

6. Conditions for Participation

The participants of KCCP are required

- (1)** to strictly observe the course schedule,
- (2)** not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (3)** to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed (except for programs longer than one year),
- (4)** not to bring or invite any family members (except for programs longer than one year),
- (5)** to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (6)** to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (7)** not to engage in political activities, or any form of employment for profit,
- (8)** to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or immoral conduct, or get critical illness or serious injury and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "5. Expenses", "IV. Administrative Arrangements",
- (9)** to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (10)** not to drive a car or motorbike, regardless of an international driving license possessed,
- (11)** to observe the rules and regulations at the place of the participants' accommodation,
- (12)** to refund allowances or other benefits paid by JICA in the case of a change in schedule, and
- (13)** to respect copyright and portrait rights. To refrain from recording and sharing the video material, audio material, text, images, graphics and other content available

during the program except for cases with specific permission.

IV. Administrative Arrangements

1. Organizer

(1) **Center:** JICA Tokyo Center (JICA TOKYO)

(2) **Program Officer:** Ms. YANAGISAWA Miyuki (tictip@jica.go.jp)

* Please add the course number “202311627-J001” to a subject of the e-mail.

2. Implementing Partner:

(1) **Name:** The Institute of Energy Economics, Japan (IEEJ)

(2) **URL:** <https://eneken.ieej.or.jp/en/>

3. Travel to Japan

(1) **Air Ticket:** In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan (include damaged baggage during the arrival flight to Japan) will not be covered.

4. Accommodation in Japan

Basically, JICA will arrange the following accommodation(s) for the participants in Japan:

JICA Tokyo Center (JICA TOKYO) Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan TEL: +81-3-3485-7051 (where “81” is the country code for Japan, and “3” is the local area code) Please refer to facility guide of JICA TOKYO at its URL, https://www.jica.go.jp/tokyo/english/office/index.html

If there is no vacancy at JICA TOKYO, JICA will arrange alternative accommodation(s) for the participants.

5. Expenses

The following expenses in Japan will be provided by JICA

(1) Allowances for meals, living expenses, outfits, and shipping and stopover.

(2) Expenses for study tours (basically in the form of train tickets).

(3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment are not included).

(4) Expenses for program implementation, including materials.

(5) For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSHU-IN GUIDE BOOK,” which will be given before departure for Japan.

*Link to JICA HP (English/French/Spanish/Russian):

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html

6. Pre-departure Orientation

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

*YouTube of "Knowledge Co-Creation Program and Life in Japan" and "Introduction of JICA Center" are viewable from the link below.

Image videos of 'Introduction of JICA Center (YouTube)' show the following information of JICA Centers: Location, Building, Entrance, Reception(Front desk), Lobby, Office, Accommodation(Room), Amenities(Hand dryer), Bathroom(Shower and Toilet), Toiletries, Restaurant, Laundry Room(Washing machine, Iron), ICT Room(Computer for participants), Clinic, Cash dispenser, Gym, Neighborhood

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html

For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses 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 is being customized by the different target organizations to address the specific needs, 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, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

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 a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

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.



Contact Information for Inquiries

For inquiries and further information, please contact the JICA overseas office or the Embassy of Japan.

Further, address correspondence to:

JICA Tokyo Center (JICA Tokyo)

Address: 49-5, Nishihara 2-Chome, Shibuya-ku, Tokyo 151-0066, JAPAN

TEL: +81-3-3485-7051