



Face-to-Face (in Japan)

JICA Program GENERAL INFORMATION

Course Number: 202517224J001

Knowledge Co-Creation Program (Group and Region Focus)

Stabilizing Power Systems to Introduce Various Kinds of Renewable Energy (B)




Course Period:

September 27 - October 10, 2026

Course No.


202517224J001





How do you introduce renewable energy to your country?

Gain insight to an essence of
impact of variable renewable energy (VRE)
on the stability of the power system
and
the specific measures
to stabilize the power system
more practical, more interactive,
more inspirational
from the experiences of Japan.



Outline

This program is designed for the engineers of leading organizations in charge of electric power system to learn about the impact of variable renewable energy (VRE) on the stability of the power system and the specific measures to stabilize the power system.

The program will be held in Japan. The contents include lectures, site visits, and interactive discussions.

All sessions are carried out in English.

The period of the program is from

September 27- October 10, 2026.

Course Capacity:

13 participants



JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in June 2023, stated 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 foundation of mutual learning process.

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For What?

Background

Recently, against the backdrop of global initiative to limit carbon emissions and as a result of dramatic decline in costs of variable renewable energy (VRE), many countries are accelerating to introduce VRE. However, it is not easy for the electric power system to be ready for accommodating large amounts of VRE. This program will show the impact of VRE on the stability of the power system and the specific measures to stabilize the power system.

Objectives

Based on the learning from the program, organize the characteristics of each country's electricity system, the state of renewable energy deployment and the challenges they face and develop an action plan for the planning and operation of the electricity system.

To Whom?

Job Areas and Organizations

This program targets engineers with on-the-ground technical responsibilities for electric power system planning and facility design, rather than officials whose roles are primarily policy formulation or administrative oversight.

Targeted Countries

Botswana, Kenya, Zimbabwe, Benin, Montenegro, Azerbaijan, Ukraine, Ethiopia, Liberia, Angola, Cameroon, Mozambique, Democratic Republic of the Congo,

When?

Program in Japan



From September 27 – October 10, 2026.

How?

How to Learn

- Lectures (Self-Study, Q&A Session)
- Field Visits
- Discussions
- Presentations



Language

English

Commitment to the SDGs



Program Structure

(1) Preliminary Phase in the home country		
Pre assignment -Lecture materials will be delivered via the Online storage system "GIGAPOD" on August 28 , 2026. Participants are required to check them (Self-Study) before arriving in Japan. -Participants are required to submit the Inception report by August 31 ,2026. (see Annex1 for details)		
(2) Core Phase in Japan		
Expected Module Output	Subjects/Agendas	Methodology
1. Participants are able to understand the impacts and difficulties when VRE are massively introduced.	Issues and Countermeasures for T&D Systems	Online ·Self-Study Face-to-face ·Presentation ·Lectures ·Exercise and issue analysis ·Discussion ·Q&A Session
2. Participants are able to understand Japan's situation of the electric industry, as well as its experience in introduction of renewable energy and the measures for stabilization of power systems.	·Overview of the Electric Power Industry in Japan and Hokuriku T&D ·Basics of Renewable Energy ·Grid-interconnection Code and Access Examination for T&D Systems ·Site Visit	Online ·Self-Study Face-to-face ·Presentation ·Lectures ·Exercise and issue analysis ·Discussion ·Q&A Session
3. Participants are able to identify the technology of Battery Energy Storage System (BESS) as measures for system operation (supply & demand balance, grid operation).	Surplus Power Measures	·Exercise and issue analysis ·Discussion ·Q&A Session Site Visit

4. Participants are able to understand the know-how of power system planning and operation to keep quality and reliability of power supply when various kinds of VRE are massively introduced.	<ul style="list-style-type: none"> • Planning of T&D Systems • Power System Analysis • Examples of Access Studies • Site Visit 	
5. Participants are able to formulate Action Plans describing measures to share the knowledge acquired during this program.	<ul style="list-style-type: none"> • Preparation of Action Plan • Inception Report Presentation • Action Plan Presentation 	
(3) After returning to each participant's home country		
Participants implement the formulated action plan.		

Program Schedule (Tentative)

Date	Day	Program	Place
28-Sep	Mon	Briefing / Program Orientation	TOKYO
		Course Orientation / Guidance of Action Plan Development	
		(Site Visit) - Organization for Cross-regional Coordination of Transmission Operators (OCCTO)	
		Move to Toyama	
29-Sep	Tue	Inception Report Presentation	TOYAMA
30-Sep	Wed	(Lecture) - Electric Power Industry in Japan - Lecture by JICA	TOYAMA
		Welcome Party	
		(Lecture) - Overview of Hokuriku Electric Power Transmission & Distribution Company and Outline of Renewable Energy - Basics of Renewable Energy	
1-Oct	Thu	(Lecture) - Grid-Interconnection Code and Access Examination for Power Transmission System - Planning of Power Transmission System - Issues and Countermeasures for Planning of Power Transmission System	TOYAMA
		(Lecture) - Power System Operation in Power Transmission System - Various operational issues in the power transmission system and countermeasures - Surplus Power Measures	
2-Oct	Fri	(Lecture) - Power System Analysis - Examples of Access Studies	
		(Site Visit)	

		- Central Load Dispatching Center - Naka-Toyama Substation	
3-Oct	Sat	Japanese Cultural Experience Program	
4-Oct	Sun	Self-Study	
5-Oct	Mon	(Lecture) - Grid-interconnection Code and Access Examination for Power Distribution Grid - Planning and Operation of Distribution Power Grid - Issues and Countermeasures for Distribution Power Grid	
		Move to Fukui	
		(Site Visit) - Fukui Distribution Dept. (Training) - Preparation of Action Plan (Guidance)	Fukui
6-Oct	Tue	(Site Visit) - Fukui Regional Control Center - Shin-Fukui Substation	
		(Site Visit) - Mikuni Solar Power Station - Mikuni Wind Power Station	
7-Oct	Wed	(Lecture) - Follow-up QA Session (Training) - Preparation of Action Plan (Guidance)	
		(Training) - Preparation of Action Plan (Group Discussion)	
8-Oct	Thu	Action Plan Presentation	
9-Oct	Fri	Evaluating Meeting / Closing Ceremony	
		Move to Tokyo	
10-Oct	Sat	Depart from Japan	Tokyo

* The schedule above has not been finalized and may be changed without prior notice.



Eligibility and Procedures

1. Expectations to the Applying Organizations

This Program is designed primarily for organizations that intend to address specific issues or problems identified in their operations. Applying organizations are expected to use the program for those specific purposes.

This Program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the Program to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

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 2 below.

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.

【Remarks】

Gender: Each Organization is requested to strongly encourage female candidates to apply for the course to accelerate the realization of gender equality and women's empowerment.

Disabilities: Persons with disabilities who meet the required qualifications also have an opportunity to apply. Reasonable accommodations will be considered for participants with disabilities. Some programs of the course might have difficulty for persons with disabilities to participate due to environmental and other conditions. "Reasonable accommodation" means necessary and appropriate modification and adjustments not imposing a disproportionate or undue burden, where needed in a particular case.

Essential Qualifications



- 1) **Current Duties: Engineers in charge of planning / designing / operating electric power system (transmission, substation and distribution facilities)**
- 2) **Experience in the Relevant Field:** At least 5 years' working experience in the relevant field such as power transmission, transformation or distribution.
- 3) **Educational Background:** be a graduate of university or equivalent. (Electrical engineering major is preferred.)
- 4) **Language Proficiency:** a competent command of spoken and written English proficiency - active participation in discussions, which requires high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible.
- 5) **Technical Requirements:**
 - a. **Technology Proficiency**
 - Basic computer skills such as sending/receiving email with attachments, using a web browser and accessibility to Zoom, YouTube and so on.
 - b. **Hardware (Minimum Requirement)**
 - Bring a PC with a webcam microphone and an Audio output device (Speaker or Headset) that can connect to Wi-Fi.
- 6) **Health:** must be in good health to participate in the program. 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 AND RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.

① Questionnaire (“QUESTIONNAIRE ON MEDICAL STATUS AND RESTRICTION”)

If any of the following apply, you must state them accurately in the questionnaire, even if they do not affect your current work or daily life.

- a. Chronic diseases (e.g., hypertension, diabetes)
- b. Conditions currently under treatment
- c. Past illnesses that have resolved (including serious conditions affecting the heart, liver, or brain; tuberculosis, etc.)
- d. Pregnancy (for female applicants)

② Medical certificate

Please submit a medical certificate issued by a doctor that your condition is stable and that, from a medical standpoint, there is no problem with your participation in KCCP in Japan.

Applicable cases:

- a. Chronic diseases (e.g., hypertension, diabetes)
- b. Conditions currently under treatment
- c. Past illnesses that have resolved (including serious conditions affecting the heart, liver, or brain; tuberculosis, etc.)

③ Reporting changes

If pregnancy or any health issues are identified after submitting the form, please report them to JICA promptly.

④ Insurance coverage

Medical and additional living expenses related to pregnancy and pre-existing conditions are NOT covered by insurance arranged by JICA. Such costs must be borne entirely by the participant; JICA assumes no liability.

* Please understand that insurance coverage applies only to sudden illness or injury occurring during your stay in Japan.

* Medical expenses in Japan could be a significant financial burden when not covered by insurance.

(2) Recommended Qualifications

- 1) Age: between the ages of twenty-five (25) and fifty (50) years
- 2) Gender Equality and Women's Empowerment: JICA seeks more female applicants due to the past records of fewer applications from women. 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 AND 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.

*It is recommended that your passport be valid for more than 6 months after the last day of the program.

- (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) **Questionnaire:** to be submitted with the application form. Fill in Annex XX of this General Information.

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 July 31, 2026)

(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 August 14, 2026.**



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

Inception Report -- to be submitted **by August 31, 2026**

Accepted candidates are required to prepare an Inception Report (Please read Annex 1 "Inception Report" for detailed information.) with Microsoft PowerPoint format.

The Report should be uploaded to Online storage system "GIGAPOD" by August 31, 2026.

The access information will be notified with acceptance notice.

6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the Program 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 Program 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 Program,
- (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 Japanese laws or JICA's regulations, or the participants commit illegal or any type of immoral conduct including sexual harassment, 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 "3.Expenses" , "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, and

(12) to refund allowances or other benefits paid by JICA in the case of a change in schedule.

(13) to promptly notify JICA in the case that there are any changes in the health status since the time of application (such as changes requiring medical attention due to illness or discovery of pregnancy).

Administrative Arrangements

1. Organizer (JICA Center in Japan)

Center: JICA Hokuriku Center (JICA Hokuriku)

Program Officer: Mr. ASATANI Kenji (Asatani.kenji@jica.go.jp)

JICA Hokuriku has responsibility for programs in the three prefectures of Toyama, Ishikawa and Fukui in the Hokuriku region, and this program will be mainly conducted in Toyama Prefecture and Fukui Prefecture.



2. Implementing Partner

(1) **Name:** Japan Electric Power Information Center, Inc.

URL: <https://www.jepic.or.jp/en/>

Remark: Japan Electric Power Information Center (JEPIC) is an organization established in 1958 to conduct research and exchange information with electric utilities worldwide, and cooperate with developing countries to help build out their electric power infrastructures.

(1) Name: Hokuriku Electric Power Transmission & Distribution Company

URL: <http://www.rikuden.co.jp/english/>

Hokuriku Electric Power Transmission & Distribution Co. is a subsidiary of the above URL company.

Remark: Hokuriku Electric Power Transmission & Distribution Company works to ensure the neutrality and fairness of our power transmission and distribution, delivers a stable electricity, and contributes the development of Hokuriku region in Japan.

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 accommodation(s) for the participants in Japan.

Accommodation in TOKYO

JICA Tokyo Center (JICA TOKYO)

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)

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

Accommodation in TOYAMA and FUKUI

Arrange Hotels for accommodation in TOYAMA and FUKUI prefecture.

5. Expenses

The following expenses in Japan will be provided by JICA



- (1) Allowances for meals, living expenses 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 “KENSU-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 Program, and other matters.

7. Reference

*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

*Note) During your stay in Hokuriku area, outside of Tokyo, we don’t have JICA Centers for accommodation. You may expect the simple hotel as accommodation.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
French ver.	https://www.youtube.com/watch?v=v2yU9lSYcTY
Spanish ver.	https://www.youtube.com/watch?v=m7l-WlQSDjI
Russian ver.	https://www.youtube.com/watch?v=P7_ujz37AQc
Arabic ver.	https://www.youtube.com/watch?v=1iBQqdpXQb4
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html

Annex I

Inception Report

Accepted participants are requested to prepare an Inception Report, referring to the attached format (Microsoft Power Point) as an example.

- > Please find attached a sample inception report.
 - > Detailed explanation for each slide should be written on the NOTE of PPT.
 - > The Report should be uploaded to designated Platform called GIGAPOD by **August 31, 2026**. The access information will be notified with acceptance notice.
-

Power Development Plan (PDP) and Annual Reports on the Power Sector

In order for the implementing partner to gain a deep understanding of each country's power industry and ensure a more effective program, accepted participants are required to submit **the English version of their Power Development Plan (PDP) and Annual Report**.

- > PDP is a comprehensive long-term roadmap that outlines the future of the electric power industry, including such as demand forecasts, generation mix, grid expansion, and environmental targets.
- > An Annual Report is a comprehensive summary of the organization's performance, technical achievements, and financial status over the past fiscal year.
- > The PDP and Annual Report should be uploaded to designated Platform called GIGAPOD by **August 31, 2026**. The access information will be notified with acceptance notice.

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 Program 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 Program, 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.



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.



Correspondence

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

Further, address correspondence to:

JICA Hokuriku Center (JICA HOKURIKU)

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("81" is the country code for Japan, and "76" is the local area code)