



Face-to-Face (in Japan)

JICA Program GENERAL INFORMATION

Knowledge Co-Creation Program (Group and Region Focus)

Design and Maintenance of Semi Aerobic Landfill Site (Fukuoka Method)



Course Number: 202208455J001

Course Period: October 15 - November 25, 2023



NOTE: Adobe Acrobat Reader DC and Google Chrome are recommended as PDF viewer. JAWS and NVDA are recommended as screen reader.

NOTE: If there are any difficulties in reading this document, please contact JICA Office in your country or JICA Center in Japan.

NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.

※Japanese Experts on waste management may also participate in the part of this program as trainees.

準好気性埋立（福岡方式）処分場の設計・維持管理

「What is a reasonable way to improve your waste disposal site?

Learn about Fukuoka method, which allows you to use local materials to improve your disposal site without incurring big cost, and you can make it sustainable with clever maintenance and management.



Outline



This program is offered to staffs in charge of management and maintenance of waste final disposal site.

The sessions will be held in Japan and will include self-study and discussion.

All sessions are carried out in English.

The period of the program is from October 15 to November 25, 2023.

Course Capacity: 10 participants



JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, 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

Due to rapid population growth and expansion of residential area in urban areas, developing economies are facing issues in waste management, and capacity of landfill sites are not enough to deal with increased / diversified wastes. Appropriate landfill techniques are vital factors of waste management.

“Semi Aerobic Landfill Method,” also known as “Fukuoka Method,” is the technology to improve final disposal sites. It was developed in 1970’s by the Fukuoka City in Japan and Fukuoka University, and now is widely applied to the final disposal sites in Japan as a Japanese standard landfill method. Furthermore, this technology is applied in many landfill sites in overseas.

Objectives

This training program intends to promote introduction and effective management of semi aerobic landfill (Fukuoka Method), one of techniques for final disposal site. Participants are able to enhance practical knowledge and techniques, as the curriculum covers design, maintenance, and conservation of surrounding environment, focusing on practices.

To Whom?

Job Areas and Organizations

This program is offered to the staffs in charge of management and maintenance of final disposal sites

Targeted Countries

Bhutan, Ethiopia, Kenya, Mozambique, Papua New Guinea, Peru, Samoa, South Sudan and Vanuatu

Participants who have successfully completed the program will be awarded a certificate by JICA.

When?

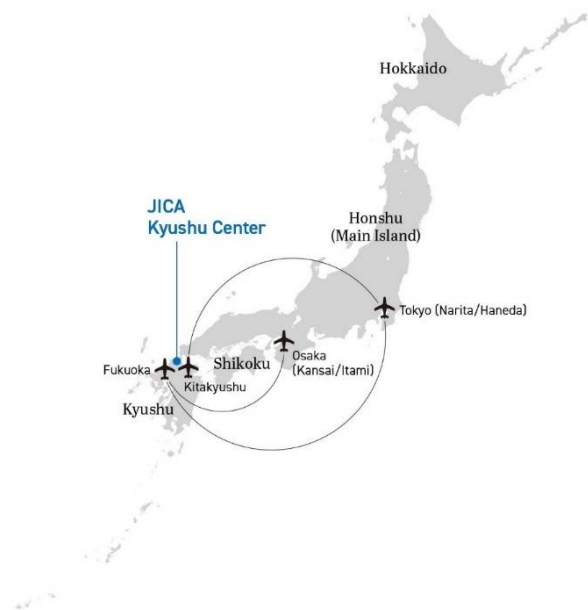
Training Program Period



From October 15, 2023
to November 25, 2023

Where?

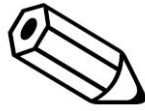
This course is organized by JICA Kyushu Center and implemented mainly in Fukuoka City and related facilities in Kyushu region.



How?

How to Learn

- Lecture
- Field Observation
- On-site Practice
- Workshop
- Discussion
- Presentation



Study



Discuss



Listen



Interact



Present



Experience

Language

English

Commitment to the SDGs



Program Structure

Week 1:

Briefing, Program orientation, and Job Report Presentation

Week 2:



JICA Knowledge Co-Creation Program (Group and Region Focus)
Design and Maintenance of Semi Aerobic Landfill Site (Fukuoka Method)
Course No. 202208455J001

- Lectures, Field Visits, and Discussions

Week 3:

- Lectures, Practices, Field visits

Week 4:

- Lectures, Practices and Discussions with Fukuoka Method Global Network (FMGN) training participants.

Week 5:

- Lectures, Field Visits and Discussions

Final week:

- Lectures, Field Visits
- Presentation of Action Plan
- Closing Ceremony



Management Members

Course Leader

Mr. UMEKI Takashi

Fukuoka Environment Foundation

He has been in charge of technical exchange for overseas on Fukuoka Method.

He also gives some lectures as to Fukuoka Method.

Lectures

Dr. MATSUFUJI Yasushi

Lecturer as to keynote lecture of the “Fukuoka Method”. He is an Emeritus Prof. of Fukuoka

University and also a president of SWAN-Fukuoka.

Prof. TANAKA Ayako

Lecturer as to landfill Site Monitoring and Compostion. She belongs to Fukuoka University.

Mr. KAWANABE Shigeru

Lecturer as to Landfill Management. He runs a consulting company for landfill management.

Mr. MITO Toshikazu

Lecturer as to Current Situation and Improvement Cases in Developing Countries.

He belongs to SWAN-Fukuoka as a Senior Advisor.

Ms. HOSINO Sachiyo

Lecturer as to Current Situation and Improvement Cases in Developing Countries.

She belongs to UN-Habitat Regional Office for Asia and Pacific as a Specific Advisor to the Director.

Mr. HIRAGA Ryo

Lecturer as to Time and Motion Study which introduces effective management of garbage collection and transportation work.

Mr. MIURA Sho

Japan International Cooperation Agency (JICA)

In this program, we focus on landfill technology as a key to contribute to solve challenges in the field of solid waste management. Let's gain a new perspective through this program with other participants.



Eligibility and Procedures

1. Expectations to the Applying 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.
-

2. Nominee Qualifications

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

(1) Essential Qualifications

- 1) Current Duties: staffs in charge of management and maintenance of final disposal site.
- 2) Experience in the relevant field: have more than 3 years of experience in the field mentioned above.
- 3) Educational background: be a graduate of university or equivalent level.
- 4) Language: have a competent command of spoken and written English which is equal to TOEFL iBT 100 or more (Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible).
(Please attach an official certificate of English ability such as TOEFL, TOEIC, IELTS etc, if possible).
- 5) 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) Recommended Qualifications

- 1) Be in relation with past or on-going JICA projects focusing on waste management.
 - 2) Be familiar with engineering background
 - 3) Be familiar with computer operation, as there will be many chances for report writing and presentations.
 - 4) 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.

*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire 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) **Job Report(JR) and Questionnaire:** Fill in Annex I and Annex II of this General Information, and submit them along with the Application Form. Job Report and



Questionnaire are necessary documents for screening of applicants. Each participant will be required to present his/her Job Report and Questionnaire in approximate 10 minutes in an early stage of the course. Visual materials such as PowerPoint and pictures may be helpful for your presentation if you bring them. When you use PowerPoint, it is preferable to use more than 24-point sized letters and not to use pictures on the background.

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 **August 7, 2023**)

(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 **September 8, 2023.**

5. 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", "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.

Administrative Arrangements

1. Organizer (JICA Center in Japan)

- (1) Center: JICA Kyushu Center (JICA Kyushu)
 - (2) Program Officer: Mr. MIURA Sho (kictp@jica.go.jp)
-

2. Implementing Partner

- (1) Name: Fukuoka Environment Foundation (EFE)
 - (2) URL: f-kankyo.net
-

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.
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4. Accommodation in Japan

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

JICA Kyushu Center (JICA KYUSHU)
Address: 2-1, Hirano 2-chome, Yahata Higashi-ku, Kitakyushu City,
Fukuoka Prefecture 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. Please refer to facility guide of JICA Kyushu at its URL.

Please refer to facility guide of KIC at:

<https://www.jica.go.jp/kyushu/english/office/index.html>



Participants will stay in a room of the apartment-type hotel during the technical training in Fukuoka City. There is no restaurant at the hotel but the room is equipped with a mini-kitchen. You need to buy food at a supermarket nearby or cook by yourself. There are also some restaurants around the hotel.

*URL of the expected accommodation ACCESS TENJIN Web Page:

<https://www.access-tenjin.com/english>

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 “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/accept

6. Pre-departure Orientation

A pre-departure orientation will be held at respective country’s JICA office (or Japanese Embassy) in participant’s country, 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 Kyushu	https://www.jica.go.jp/kyushu/english/office/index.html

If the link of these youtube URLs has expired, please access the URL below and search the necessary information from the key word.

<https://www.youtube.com/user/JICAChannel02>

Depending on applicants experience, JICA may request participants to attend pre-departure video lectures in participant country.

7. Reference

PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide_en.pdf



Video: JICA Predeparture Briefing

For more information on life in Japan and KCCP

<https://www.youtube.com/watch?v=SLurfKugrEw>



Website: JICA

English/French/Spanish/Russian

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



Website: JICA Kyushu Center

English

<https://www.jica.go.jp/kyushu/english/office/index.html>



8. Other Information

(1) Reports and Presentation

① Job Report(JR) & Questionnaire

Each nominee is required to submit his/her own Job Report and Questionnaire. The formats are in Annex part. Participants will make a presentation of his/her Job Report and Questionnaire up to 10 minutes at the earlier stage of the training in order to share knowledge and background with other participants as well as instructors. Visual materials such as Power Point and pictures, related data on your job may be helpful for your presentation if you bring them with you. When you use Power Point, it is preferable to use letters more than 24 points and not to use pictures on the background.

② Action Plan Report

Participants are required to formulate an action plan at the end of the training program to express their own idea and plan reflecting the knowledge and method participants acquire during the training. Participants will carry out the plan after returning to home country, Each participant will have 10 minutes for the presentation.

③ Laptop PC

JICA strongly recommends that the participants bring their own laptop computers to Japan to take notes, modify reports, and prepare for presentations. If one does not bring, then he/she may borrow it in KIC Library, but please be reminded that only English OS is available.

(2) International Exchange Program with local communities

JICA encourages international exchange between JICA participants and local communities. Participants may have a chance to visit elementary schools or junior high schools. Therefore, participants are recommended to bring their

national costumes, small crafts and materials, and photographs that will make the exchange program more fruitful.

(3) Joint Training with Japanese Experts

Japanese experts in the field of waste management will be participating in the part of this training program as trainees to learn about how to implement Fukuoka Method. Please enjoy sharing your idea and knowledge with them.

(4) Remarks

JICA training is implemented for the purpose of development of human resources who will promote the advancement of the countries, but not for the enrichment of individuals or private companies. Matters of a trade secret and patent techniques will remain confidential and inaccessible during the training.

9. ANNEX

I . Job Report

II . Questionnaire

III . Tentative Schedule



Annex I Job Report

Name: _____

Country: _____

Organization and present position: _____

E-mail: _____

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

Remarks 2: Each participant is requested to give presentation around up to 10 minutes based on this Job Report and Questionnaire at the early stage of the program for the purpose of making the training more effective and fruitful by recognising the situations and problems of the participants each other

Remarks 4: It is also requested to prepare a PowerPoint for the presentation when the participant come to Japan. When you use PowerPoint, it is preferable to use letters more than 24 points and not to use pictures on the background.

Remarks 5: Please itemize your answers and make them specific.

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

(1) Description of your organization

Name of the organization:

Number of staff:

Main task of the organization:

Your task in 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.)

(3) Description of your assignments to the training



2. Existing challenges in your section (up to 1 page)

(1) Challenges you are facing in your section (Please describe concretely and in detail)

(2) Countermeasures for the challenges

(3) Obstacles in the process to solve the challenges

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

(1) Most interesting subject or topic in this training course and reasons why you choose it

(2) How do you expect to apply skills and knowledge you will learn in the curriculum after you return to your home country?

(3) Other things you are expecting for this course, if any
(Basically this training program is fixed and cannot be changed upon your request.)

Annex II Questionnaire

Name: _____

Country: _____

Organization and present post: _____

E-mail: _____

Remarks 1: The Questionnaire should be typewritten in English (12-point, appropriately spaced, A4 sized paper), and total pages of the report should be limited to 2 pages.

Remarks 2: Please itemize your answers and make them specific.

1. Have you ever studied the following subjects? Please check either Yes or No. If you answer "Yes", please fill in "Years" parentheses with your years of experience.

	YES	NO	Years
(1) Environmental science and engineering	()	()	()
(2) Sanitary engineering	()	()	()
(3) Environmental education	()	()	()
(4) Household waste treatment practice	()	()	()
(5) Solid waste management administration	()	()	()

2. Waste situation in the area under your organization's jurisdiction.

(1) Household Waste Management

- Volume of household waste
- Kinds of household waste and its percentage
- Collection method
- Fee of household waste

(2) Landfill Site

(2)-1 General information

Items	Disposal site	
	Site1	Site2
Name of the site		
Year when disposal started		
Total area	ha	ha
Capacity	cu.m	cu.m

Estimated life span remaining (year)	yr	yr
Amount of daily waste disposed	t/d	t/d
Distance from center of collection area to the site	km	km
Disposal method (See notes below)	<input type="checkbox"/> O, <input type="checkbox"/> C, <input type="checkbox"/> S, <input type="checkbox"/> D	<input type="checkbox"/> O, <input type="checkbox"/> C, <input type="checkbox"/> S, <input type="checkbox"/> D
Existence of animals on the site	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Existence of waste pickers on the site	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Existence of open burning on the site	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Note O : Open dumping
 C : Controlled tipping (with sporadic cover)
 S : Sanitary landfill (with daily cover)
 D : Dumping into water body

- Method of measurement (or estimation) of volume of waste

- Rate of tipping fee

- Management organization (local government or private company)

(2)-2 Personnel for the Landfill Management service (number of personnel)

In case staff is not assigned to the Landfill site, please put the number of staff needed in parenthesis.)

Type of personnel	Disposal site	
	Site1	Site2
Administrator		
Health officer		
Public Health Inspector or equivalent		
Engineer		
Technical assistant/Technician		
Mechanics/ Mechanic's assistant		
Supervisor		
Driver		
Laborer		
Total		

(2)-3 Details of Landfill sites

Items	Disposal site	
	Site 1	Site 2

Ground form of the location	Riverside Swamp Flat ground Mountain area Seaside Others		
Depth of waste layers		m	m
Obtaining method of covering material	In the Site Outside the Site Buying		
Types of waste disposed	Household waste Institutional and commercial waste Industrial waste Construction waste Street/park cleaned waste Drain cleansing waste Bulky waste Others:		
Monitoring items	Leachate Underground water Landfill gas		

(2)-4 Existing facilities in Landfill Sites(Please put a check mark ✓ if the site has)

Item	Disposal Site	
	Site 1	Site 2
Electricity Supply		
Water Supply		
Telephone		
Office in the Site		
Weighbridge		
Access Road		
Fence for Boundary		
Bank for Boundary		
Gate		
Notice Board		
Cover Material		
Gas Venting Pipe		
Rain Water Drain		
Leachate Collection Pipe		
Leachate Treatment Facility		
Oxidation Pond		
Bio treatment		
Chemical treatment		
Sand filtration		

(3) Industrial Waste

- Kinds and volume of industrial waste

- Waste generator can be identified or not. If yes, please explain who and how.

(4) Population of the area which your organization is in charge of

(5) The annual budget (U.S. dollar) for solid waste management

(6) Solid waste management

a. Frequency of Waste Composition Survey (Choose One)

- Every Month
- Every Year
- Other Frequency()
- Not Carried out

b. Breakdown by weight of the annual solid waste materials and percentage

	Weight (tons)	Percentage
- Food	(t)	(%)
- Paper	(t)	(%)
- Plastic	(t)	(%)
- Metals	(t)	(%)
- Others	(t)	(%)

c. Breakdown of annual municipal solid waste management budget and percentage for total budget of solid waste management.

	Budget (USD)	Percentage
- Collection	(USD)	(%)
- Construction of treatment/disposal facilities	(USD)	(%)
- Operation and management of disposal	(USD)	(%)
- others	(USD)	(%)

(7) Compost plant

- Method and capacity

(8) Medical/Toxic waste treatment

- Kind/volume of medical/toxic waste treatment
- Treatment method

- (9) Environmental education
- Method and target people

Annex III

(Tentative Training Schedule)

Date		Subject (Lesson)
15/Oct	Sun	Arriving to Japan
16/Oct	Mon	Briefing / Program Orientation
17/Oct	Tue	Japanese Language Class / Class of Japanese Politics and Administration
18/Oct	Wed	Exchange Program
19/Oct	Thu	Moving to Fukuoka city
20/Oct	Fri	Course Orientation / JobReport presentation
21/Oct	Sat	
22/Oct	Sun	
23/Oct	Mon	Development of Fukuoka Method Features of Semi-aerobic Landfill and Technical Exchange to Overseas (Malaysia case)
24/Oct	Tue	Technical Exchange to Overseas (Iran case) Safe Closure and After Land-use of Landfill, Leachate Treatment System
25/Oct	Wed	Function and Basic Knowledge of Cover Soil and Compost technique Points of Landfill Planning and Technical Exchange
26/Oct	Thu	Travel to Kumamoto City Visit a privately-run final disposal site for industrial wastes and ‘Kururun’ Communal Recycling Center
27/Oct	Fri	Waste Management in Fukuoka City Guidance on Action Plan Preparation
		Observation of Waste Collection & Transportation Services of Fukuoka City (Midnight)
28/Oct	Sat	
29/Oct	Sun	
30/Oct	Mon	Characteristics of Nighttime Waste Collection How to improve waste collection and hauling work Time and Motion study for Waste Collection
31/Oct	Tue	Time and Motion study for Waste Collection Make Waste Collection Plans
1/Nov	Wed	Move to Minamata City Site Visit to Glass Bottles Recycling Facility in Minamata City Study Minamata Diseases
2/Nov	Thu	Design and construction of Fukuoka Method Landfil (lecture) (Site selection, structure of main facilities) Heavy Machines' Maintenance, Lecture and Operational Training

		Exchange with University Students
3/Nov	Fri	National Holiday
4/Nov	Sat	
5/Nov	Sun	
6/Nov	Mon	Current Situation and Improvement Cases in Developing Countries Utilization of Cover Soil Social Gathering for Participants
7/Nov	Tue	Landfill Management Basics of Land Survey and practice Practice on Dropping Waste, Soil Covering, Creation of Embankments and Access Road
8/Nov	Wed	On-Site Training of Fukuoka Method (Installation of Gas Venting Equipment and Leachate Collection using bamboo, oil drums, etc.) Observation of Land Use at Former Landfill Site
9/Nov	Thu	Practice of Making Simple Wastewater Treatment System Practice on Landfill Monitoring and Compost Making
10/Nov	Fri	Sorting out the Problems of Final Disposal Sites in Your Countries Workshop for Action Plan Making
11/Nov	Sat	
12/Nov	Sun	
13/Nov	Mon	Lecture and Observation of Landfill Monitoring and Leachate Treatment Facility Observation of Rain Water Removal Facilities in Landfill Site Visit to Glass and Plastic Bottles Recycling Plant
14/Nov	Tue	Issue of Marine Plastics and Preservation of Biodiversity Observation of a Waste to Energy facility Efforts for Waste Reduction and Recycling and related Surveys by Fukuoka City
15/Nov	Wed	Visit Hiroshima City (Atomic Bomb Museum and Miyajima area)
16/Nov	Thu	Visit 3R station Observation of a Resource Recovery Plant Observation of an Environmental Education facility Visit to Traditional Japanese Garden
17/Nov	Wed	Fukuoka Method in Samoa (Example of Improvement Project) Workshop for Action Plan Making
18/Nov	Sat	Waste Management Seminar
19/Nov	Sun	
20/Nov	Mon	Observation of Medical Waste Disposal at Hospital Observation of Tobu Landfill Site Observation of Tobu Leachate Treatment Facility
21/Nov	Tue	Important Points to Apply the Fukuoka Method
22/Nov	Wed	Workshop for Action Plan Making

23/Nov	Thu	National Holiday
24/Nov	Fri	Preparation for the Actionplan Presentation Action Plan Presentation Session Final Evaluation Meeting with JICA Closing Ceremony
25/Nov	Sat	Leaving Japan

※The curriculum is subject to change

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 to 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.



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