



Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

# Sustainable Waste Disposal Technology (Fukuoka Method)



Course Number: 202515135J001

Course Period( in Japan ) : October 6 - November 26,2026

Course Period (in Zambia : Only African participants):

November 30 - December 8,2026

- PRAZO DE INSCRIÇÃO NO BRASIL:  
17/07/2026
- EMAIL PARA ENVIO DA INSCRIÇÃO:  
[jicabr-training@jica.go.jp](mailto:jicabr-training@jica.go.jp)



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.



# 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 staff 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 6 to November 26, 2026.

In addition, participants from African countries will be invited to participate in the Overseas Supplementary Program in Zambia, to be held from November 30 to December 8, following the program in Japan.

Course Capacity:  
14 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.

# Table of Contents

## For What?

(Background, Objectives) ..... 6

## To Whom?

(Job Areas and Organizations, Targeted Countries) ..... 7

## When?

(Program Period in Japan / Overseas Supplementary Program in Zambia ) ..... 7

## Where?

(Place Where the Program Take Place) ..... 7

## How?

(How to Learn, Language, Commitment to the SDGs) ..... 8

(Program Structure) ..... 8-9

(Instructors, Coordinator, Interpreter, Program Officer) ..... 10

## Eligibility and Procedures

(Expectations to the Applying Organizations, Nominee Qualifications) ..... 11-13

(Required Documents for Application) ..... 13-14

(Procedures for Application and Selection) ..... 14-15

(Conditions for Participation) ..... 15-16

## Administrative Arrangements

(Organizer (JICA Center in Japan), Implementing Partner, Travel to Japan,  
Accommodation in Japan, Expenses, Pre-departure Orientation) ..... 17-21

## Annex I, II

(I.Job Report, II.Questionnaire) ..... 22-27

## For Your Reference

(JICA and Capacity Development, Japanese Development Experience) ..... 28

## Correspondence

(For Enquiries and Further Information) ..... 30

# 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 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 staff in charge of management and maintenance of final disposal sites

The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

## Targeted Countries

Angola, Bhutan, Brazil, Cote d'Ivoire, Indonesia, Kosovo, Laos, Papua New Guinea, Sri Lanka, Turkey

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

# When?

## Program Period



### All participants

<In Japan>

From October 6, 2026  
to November 25, 2026

### Only African participants

<Overseas Supplementary Program in Zambia >

From November 30, 2026  
to December 8, 2026

# 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, general orientation, and introductory lectures

### Week 2:

Job Report Presentation, lectures, and basic practices

### Week 3:

Lectures, practical exercises, and field visits

### Week4:

Lectures, practical exercises, and discussions with Fukuoka Method Global Network (FMGN) participants, as well as a Minamata study tour

**Week5:**

Lectures, field visits, and practical exercises on landfill operation and waste management

**Week6:**

Lectures, field visits, and advanced discussions, including action plan development workshops

**Final Week:**

- Finalization and presentation of Action Plans
- Evaluation session
- Closing Ceremony and Farewell Program
- Departure from Japan (for participants from regions other than Africa)

**Week7 (Overseas Supplementary program - Zambia):**

This component is exclusively for participants from African countries.

- Travel to Zambia
- Implementation of a seminar on the Fukuoka Method  
in coordination with the relevant JICA technical cooperation project
- On-site training and field activities
- Follow-up ex-participant activities and reporting
- Return to home countries (for participants from African countries)

## Management Members

---

Course Leader

**Mr. Yoshise Ryota**

Fukuoka Environment Foundation

He has been in charge of technical exchange for overseas on 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 is an Emeritus Prof of Fukuoka University and also a Director of SWAN Fukuoka.

---

**Mr. KAWANABE Shigeru**

Lecturer as to Landfill Management.

He is a senior advisor to SWAN Fukuoka and owner of a landfill management consulting company.

---

**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 Asis 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. YAMAGUCHI Hiroyuki**

Japan International Cooperation Agency (JICA), Kyushu Center

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 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.
- 

## 2. Nominee Qualifications

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

### 【Remarks】

**Gender:** Each Organizations 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.

### (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 Proficiency: have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This workshop includes 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) Health: must be in good health to participate in the program in Japan. Participant's health and safety should be most respected. Pre-existing conditions<sup>1</sup> and pregnancy may lead to health problems that were not present prior to arriving in Japan due to stress from international travel, changes in climate, and a new living environment. In recent years, regrettable cases have occurred, including the exacerbation of symptoms after arrival and, in the case of pregnancy, stillbirth. Some participants have also incurred substantial out-of-pocket medical costs. If any of the conditions below may apply, please take a moment to consider whether to participate, and continue after confirming your agreement to the points below.

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.)

---

<sup>1</sup> Pre-existing conditions :Chronic diseases, Conditions currently under treatment and Past illnesses that have resolved.

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) 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: 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 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) **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 **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 Augst 28, 2026.

---

## 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 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,
- (12) to refund allowances or other benefits paid by JICA in the case of a change in schedule, and

(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)

- (1) Center: JICA Kyushu Center (JICA Kyushu)
  - (2) Program Officer: Mr. YAMAGUCHI Hiroyuki (kicctp@jica.go.jp)
- 

## 2. Implementing Partner

- (1) Name: Fukuoka Environment Foundation (FEF)
  - (2) URL: <http://f-kankyo.net/>
- 

## 3. Expenses

The following expenses during the program will be covered by JICA.

- (1) Air Ticket:  
Round-trip airfare between the participant's home country and Japan.  
For African participants attending the supplementary overseas program, round-trip airfare covering travel between participant's home country, Japan, Zambia, and back to home country.
- (2) Allowances for meals, living expenses, and stopover.
- (3) Expenses for study tours (basically in the form of train tickets).
- (4) 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**).
- (5) Expenses for program implementation, including materials.
- (6) For more details, please see "III. ALLOWANCES" of "KENSU-IN GUIDE BOOK," (English/French/Spanish/Russian).

\*Link to the Website:

[https://www.jica.go.jp/english/activities/schemes/tech\\_pro/acceptance\\_training/forparticipants.html](https://www.jica.go.jp/english/activities/schemes/tech_pro/acceptance_training/forparticipants.html)

<https://jica-van-cms.jica.go.jp/custom/kccp/kccp01.html>



---

## 4. 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.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	<a href="https://www.youtube.com/watch?v=SLurfKugrEw">https://www.youtube.com/watch?v=SLurfKugrEw</a>
French ver.	<a href="https://www.youtube.com/watch?v=v2yU9lSYcTY">https://www.youtube.com/watch?v=v2yU9lSYcTY</a>
Spanish ver.	<a href="https://www.youtube.com/watch?v=m7l-WlQSDjI">https://www.youtube.com/watch?v=m7l-WlQSDjI</a>
Russian ver.	<a href="https://www.youtube.com/watch?v=P7_ujz37AQc">https://www.youtube.com/watch?v=P7_ujz37AQc</a>
Arabic ver.	<a href="https://www.youtube.com/watch?v=1iBQqdpXQb4">https://www.youtube.com/watch?v=1iBQqdpXQb4</a>
Part II: Introduction of JICA Centers in Japan	
JICA Hokkaido (Sapporo)	<a href="https://www.jica.go.jp/sapporo/english/office/index.html">https://www.jica.go.jp/sapporo/english/office/index.html</a>
JICA Hokkaido (Obihiro)	<a href="https://www.jica.go.jp/obihiro/english/office/index.html">https://www.jica.go.jp/obihiro/english/office/index.html</a>
JICA Tohoku	<a href="https://www.jica.go.jp/tohoku/english/office/index.html">https://www.jica.go.jp/tohoku/english/office/index.html</a>
JICA Tsukuba	<a href="https://www.jica.go.jp/tsukuba/english/office/index.html">https://www.jica.go.jp/tsukuba/english/office/index.html</a>
JICA Tokyo	<a href="https://www.jica.go.jp/tokyo/english/office/index.html">https://www.jica.go.jp/tokyo/english/office/index.html</a>
JICA Yokohama	<a href="https://www.jica.go.jp/yokohama/english/office/index.html">https://www.jica.go.jp/yokohama/english/office/index.html</a>
JICA Hokuriku	<a href="https://www.jica.go.jp/hokuriku/english/office/index.html">https://www.jica.go.jp/hokuriku/english/office/index.html</a>
JICA Chubu	<a href="https://www.jica.go.jp/chubu/english/office/index.html">https://www.jica.go.jp/chubu/english/office/index.html</a>
JICA Kansai	<a href="https://www.jica.go.jp/kansai/english/office/index.html">https://www.jica.go.jp/kansai/english/office/index.html</a>
JICA Chugoku	<a href="https://www.jica.go.jp/chugoku/english/office/index.html">https://www.jica.go.jp/chugoku/english/office/index.html</a>
JICA Shikoku	<a href="https://www.jica.go.jp/shikoku/english/office/index.html">https://www.jica.go.jp/shikoku/english/office/index.html</a>
JICA Kyushu	<a href="https://www.jica.go.jp/kyushu/english/office/index.html">https://www.jica.go.jp/kyushu/english/office/index.html</a>
JICA Okinawa	<a href="https://www.jica.go.jp/okinawa/english/office/index.html">https://www.jica.go.jp/okinawa/english/office/index.html</a>

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>

---

## 5. Accommodation in Japan

Basically, JICA will arrange the following accommodation(s) for the participants for the 1<sup>st</sup> week 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 an apartment-type hotel in Fukuoka City from the second week of the program. 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>

## 6. Reference

### KENSHU-IN GUIDE BOOK

For more detailed terms and conditions



[JICA Knowledge Co-Creation Program\(KCCP\) | 研修事業 \(KCCP\) |](#)

### Video: JICA Predeparture Briefing

For more information on life in Japan and



[KCCPJICA Knowledge Co-Creation Program\(KCCP\) | 研修事業 \(KCCP\) |](#)

### Website: JICA

English/French/Spanish/Russian



[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/index.html](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html)

### Website: JICA Kyushu Center



JICA Knowledge Co-Creation Program (Group and Region Focus)

**Sustainable Waste Disposal Technology (Fukuoka Method) Course No. 202515135J001**

English

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

## PDF: Useful Information for Visiting JICA Kyushu Center

English

<https://www.iica.go.jp/kyushu/english/office/c8h0vm0000fgiksk-att/kyushu01.pdf>

## 7. 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. Participants will make a presentation of his/her Job Report and Questionnaire up to **10 minutes** at the earlier stage of the program 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.

#### ② Action Plan Report

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

#### ③ Laptop PC

Participants need to 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, 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 school or Japanese organization. Therefore, participants are



recommended to bring their national costumes, small crafts, materials, and/or photographs that will make the exchange program more fruitful.

### **(3) Joint program with Japanese Experts**

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

### **(4) Remarks**

JICA program 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 program.

# 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 a presentation of up to 10 minutes at the early stage of the program, based on the Job Report and Questionnaire, for the purpose of making the program more effective and fruitful by recognizing each other's situations and challenges.

Remarks 3: 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 4: 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 program

## **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 program (up to 1 page)**

(1) Most interesting subject or topic in this program 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 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)	yrs	yrs
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		
Types of waste disposed	Buying		
	Household waste		
	Institutional and commercial waste		
	Industrial waste		
	Construction waste		
	Street/park cleaned waste		
	Drain cleansing waste		
Monitoring items	Bulky waste		
	Others:		
	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

# 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.

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 Kyushu Center (JICA Kyushu)**

**Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu-shi, Fukuoka, 805-8505, Japan**

**TEL: +81-93-671-6311 FAX: +81-93-671-0979**

("81" is the country code for Japan, and "93" is the local area code)