



Face-to-Face (in Japan)

JICA Program GENERAL INFORMATION

Knowledge Co-Creation Program (Group and Region Focus)

Technology for Solid Waste Management with Recycling Promotion for Sound Material-Cycle Society



Course Number: 202411723J001

Course Period: May 6 - June 25, 2025



- PRAZO DE INSCRIÇÃO NO BRASIL:
06/03/2025
- EMAIL PARA ENVIO DA INSCRIÇÃO:
jicabr-training@jica.go.jp

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.

リサイクル推進による循環型社会構築に向けた廃棄物の適正処理技術



How do we build A Sound Material Cycle Society?

Gain the essence of making a sustainable
regional development
from the experiences in Japan.



Outline



This program is offered to engineering officers and managers in charge of waste management such as collection, transportation, intermediate treatment and final disposal.

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 May 6 to June 25, 2025.



Course Capacity: 12 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.

Table of Contents

For What?

(Background, Objectives)	6
--------------------------------	---

To Whom?

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

When?

(Training Program Period)	7
---------------------------------	---

Where?

(Place Where the Program Takes Place)	7
---	---

How?

(How to Learn, Language, Commitment to the SDGs)	8
(Program Structure)	8
(Management members)	12

Eligibility and Procedures

1. Expectations to the Applying Organizations, Nominee Qualifications)	13
2. Nominee Qualifications	13
3. Required Documents for Application	14
4. Procedures for Application and Selection	15
5. Conditions for Participation	16

Administrative Arrangements

(Organizer (JICA Center in Japan), Implementing Partner, Travel to Japan, Accommodation in Japan Expenses, Pre-departure Orientation, Reference, Other Information)	17-22
---	-------

Annex

(Job Report, Issue Analysis Sheet, Free Comment, Tentative Schedule)	23-32
---	-------

For Your Reference

(JICA and Capacity Development, Japanese Development Experience)	33
--	----

Correspondence

(For Enquiries and Further Information)	35
---	----

For What?

Background

Recently "A Sound Material Cycle Society (SMCS)" is becoming a trend in the field of Solid Waste Management (SWM) along with the traditional waste management work such as collection, transportation, and landfilling.

This training course aims at comprehensive way for SWM, particularly technology of recycling toward SMCS. Due to the issues of Marine Pollution and Climate Change, we need to consider how to deal with plastics in developing countries. This means we need to endeavor further toward SMCS in each country or region. In Japan we have been executing SMCS since 2000, as the concept of 3R widely spread.

Here Kitakyushu has a history of overcoming a problem of pollution through many activities. Consequently, Kitakyushu has become one of the pioneers regions of SMCS as the complex of recycling industries called Eco-town represents it. Thus, reflecting the regional characteristics, this course is aiming at SMCS towards future applying comprehensive SWM.

Objectives

This program is designed to improve Solid Waste Management (SWM) process comprehensively under the concept of Sound Material Cycle Society (SMCS) for participating countries and regions. It includes not only SWM work, such as collection, transportation, intermediate processing and landfilling but also recycling technology and practical example of SMCS carried out in Japan. The idea of SMCS achieves reducing environmental burden and cost simultaneously. This course introduces a wide range of know-how for SMCS, without being restricted by conventional thinking.

To Whom?

Job Areas and Organizations

This program is offered to engineers / managers in charge of waste handling / scientific researchers / designers regarding Solid Waste Management (SWM) System with more than 3 years of occupational experience. Particularly person who is now promoting Sound Material Cycle Society (SMCS) or recycling business in the country or region.

Targeted Countries

Bangladesh, Brazil, Cote d'Ivoire, Ethiopia, Jordan, Kosovo, Maldives, Pakistan, Sri Lanka, South Sudan, Turkey and Vietnam,

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

When?

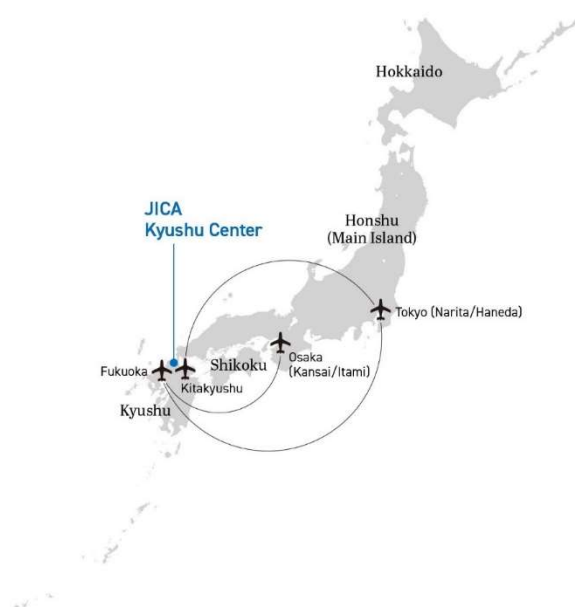
Training Program Period



From May 6, 2025
to June 25, 2025

Where?

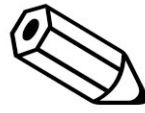
This course is organized in JICA Kyushu Center.



How?

How to Learn

- Lectures
- Field Observations
- Workshops
- Discussions
- Presentations



Study



Discuss



Listen



Interact



Present



Experience

Language

English

Commitment to the SDGs



Program Structure

Week 1:

- Briefing and Program orientation
- IAS (Issue Analysis Sheet) workshop and Job Report presentation

Week 2 to final week:

- Lectures, Field Visits, and Discussions



Last Day:

- Presentation of Action Plan
- Closing Ceremony

Training program in Japan (Curriculum) has been made to build capacity of trainees in charge of waste management or related fields.

This program consists of following 6 modules as the targets to be achieved by each trainee.

As trainees are requested to study all the contents of 6 modules during the course in Japan. Therefore, carefully check the modules whether they meet your requirement and is worth for you to attend this course.

Module 1:

Expected outcome: Fully understand about Solid Waste Management (SWM) system in Japan, particularly the actual mechanism and working style at municipality regarding collection, transportation and incineration of solid waste.

Training Method: Lectures and Observations

Topics in the training course:

- General waste management in Kitakyushu city
- Industrial waste management in Japan
- Tracing work of general waste collection and transportation in Kitakyushu city
- General waste management in Minamata city
- Incineration plant in Kitakyushu

Module 2:

Expected outcome: Fully understand about Landfill technology in Japan, particularly “Fukuoka method semi-aerobic system” applicable to developing countries.

Training Method: Lectures and Observations

Topics in the training course:

- Landfill theory and technology of Fukuoka method



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

Technology for Solid Waste Management with Recycling Promotion for Sound Material-Cycle Society Course No. 202411723J001

- Examples of its introduction in overseas
- Landfill site at Fukuoka city
- Landfill site at Kitakyushu city

Module 3:

Expected outcome: Fully understand about social system toward Sound Material Cycle Society (SMCS) in Japan and how to enhance work efficiency and save cost in organization.

Training Method: Lectures

Topics in the training course:

- Sound material cycle society (Background, History, Law, and regulation)
- Time and Motion study toward effective garbage collection and transportation
- Cleaner production and effective management

Module 4:

Expected outcome : Fully understand about recycling technology and know-how including composting and detoxifying technology which has been executed since SNCS mechanism started.

Training Method: Lectures and Observations

Topics in the training course:

- Preliminary processing for glass bottle, cans, and PET bottle recycling
- Kitakyushu Eco-town
- Composting technology from kitchen waste and sewage sludge (Takakura method and others) and composting business
- Waste tire recycling
- Comprehensive utilization of organic waste merging with local municipalities
- Medical waste treatment

Module 5:

Expected outcome : Fully understand about source separation of domestic waste, community level environmental awareness activity and environmental education done in Japan.

Training Method: Lectures and Observations



Topics in the training course:

- Source separation of domestic waste in Minamata city
- Community level activity in Kitakyushu city
- Environmental education
- City planning with nature preservation toward public awareness.

Module 6:

Expected outcome : Build up project planning ability by positive participation to discussion and opinion exchange. Skill up of reporting and presentation.

Training Method: Discussion, Reporting and Presentation

Topics in the training course:

- Workshop for IAS
- Workshop for Job report presentation
- Workshop for action plan presentation

At final week, trainees shall make Action Plan presentation selecting the theme among above 6 modules.

Management Members

Course Leader

Mr. SASHIWA Tsutomu

Kitakyushu International Techno-cooperative Association

He has been in charge of waste management course as Course Leader for 8 years.

He also gives some lectures as to Sound Material Cycle Society. (SMCS)



Lectures

Dr. MATSUFJI Yasushi

Lecture of semi-aerobic landfill technology, one of founder of Fukuoka Method landfill technology, professor emeritus at Fukuoka univ.

Mr. HIRAGA Ryo

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

Mr. Aoyagi Yuji

Lecturer as to Waste Management by Kitakyushu City.

Dr. TAKAKURA Koji

Lecturer as to Composting from Organic Waste which has been often introduced as “Takakura Method”.

Prof. DEWANCKER Bart

Lecturer as to City Planning along with Nature Preservation which must be belonging to rather new subject combined with architecture and environment.

Dr. KOYAMA Futoshi

Lecturer as to Composting from Livestock Manure, particularly about its quality control

Mr. MIURA Sho

Japan International Cooperation Agency (JICA)

In this program, we focus on recycling technology as a key to contribute to solve challenges in the field of solid waste management.



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

Technology for Solid Waste Management with Recycling Promotion for Sound Material-Cycle Society Course No. 202411723J001

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. Participating organizations are expected to use the knowledge to solve the issues and problems.
 - (2) This program is enriched with the contents developed in collaboration with the relevant prominent organizations in Japan. These special features enable the program to meet expectations 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: Engineers / Managers in charge of Solid Waste Management (SWM) process such as collection, transportation, intermediate treatment, and landfilling / scientific research at institution / Designers of Systems of SWM.
- 2) Experience in the relevant field: More than 3 years of experience in the field mentioned above.
- 3) Educational background: University Graduate or equivalent level.
- 4) Language: Spoken and written English proficiency equivalent to TOEFL iBT 100 or more. This course includes workshop where needs active participation in discussions, which requires high competence of English ability.
(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 or science background
- 3) Be familiar with PC operation, as there will be many chances for report writing and presentations. As a matter of course, Job Report presentation at beginning stage and Action Plan presentation at last stage during the course in Japan shall be made in a form of Power Point by each participant.
- 4) Age: between the ages of twenty-five (25) and forty-five (45) years
- 5) 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.
- 6) Has experience of working at site and understand the condition of the site
- 7) Has clear plan or be engaged in project of recycle based industries

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.

(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) **ANNEX Job Report (JR), Issue Analysis Sheet (IAS) and Free comment (FC):**
These are the most crucial documents for screening of applicants. Please read the instruction in the Annex carefully. Handwriting report cannot be accepted. Job Report composes simple questions to understand circumstance of applicants' organizations and rough idea for work that applicants have. The purpose of making IAS is to logically organize the relationships between issues you are facing and lesson contents covered in the training course. Issues shall be written concretely and in detail.

Regarding Free comment, we would like applicants to express frank idea or opinion to tackle the issues you have. We appreciate the comment written by your own words.

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 **March 13, 2025**)

(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 **April 7, 2025.**

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) Centre: JICA Kyushu Centre (JICA Kyushu)
 - (2) Program Officer: Mr. MIURA Sho (kicctp@jica.go.jp)
-

2. Implementing Partner

- (1) Name: Kitakyushu International Techno-cooperative Association (KITA)
 - (2) URL: <http://www.kita.or.jp/english/>
-

3. Travel to Japan

- (1) **Air Ticket:** In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.
 - (2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan (include damaged baggage during the arrival flight to Japan) will not be covered.
-

4. Accommodation in Japan

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

JICA 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.

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



5. Expenses

The following expenses in Japan will be provided by JICA.

- (1) Allowances for meals, living expenses, 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 GUIDEBOOK,” 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 the Japanese Embassy), to provide Participants with details on travel to Japan, conditions of the course, and other matters.

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

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

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA 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 GUIDEBOOK

For more detailed terms and conditions

https://www.jica.go.jp/Resource/english/our_work/types_of_assistance/tech/acceptance/training/c8hovm0000011i07-att/guide_2024_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>

PDF: Useful Information for Visiting JICA Kyushu Center

English

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



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

Technology for Solid Waste Management with Recycling Promotion for Sound Material-Cycle Society Course No. 202411723J001

8. Other Information

(1) Important reports to be submitted

Job Report (JR) & Issue Analysis Sheet (IAS) and Free Comment (FC)

Each candidate is required to submit his/her own JR, IAS and FC.

The form of JR, IAS and FC are in Annex I, II and III hereinafter respectively.

JR is for supporting us to understand the circumstance and the idea for candidate's job. Please introduce job circumstance regarding solid waste management and answer the listed questions.

Regarding IAS, we strongly request that issues shall be written specifically, so that this training course can suggest reasonable advice. Please refrain to only write simple description such as "Money shortage", "Machinery shortage" or "Manpower or Technology shortage". Through workshop during the course in Japan, we will deepen each Issue Analysis Sheet, then Action Plan shall be established.

Free Comment of each candidate is also crucial document to judge how candidate is thinking of issue as his/her own.

(2) Presentation and reporting in Japan

① Presentation of Job Report and IAS

Final participants passing the screening have an opportunity to present his/her Job Report and IAS up to 10 minutes at the early stage of the training in Japan.

It will be held to share knowledge and background with other participants as well as Japanese instructors before starting the program. Based on submitted Job Report, participants need to prepare the Microsoft Power Point presentation file in advance. Visual materials, such as pictures or illustrations may be helpful to make your presentation easy to understand and attractive. The presentation time is 10 minutes. Presenters are requested to focus more on IAS than Job Report. Issues that you are facing and countermeasure you are trying or wish to try is the key matters for this training. JICA will grasp



what problems participants are tackling for and how seriously you think it about.

② Action Plan Report and Presentation

Participants are required to formulate an Action Plan and make its presentation at the end of the training program to express your idea and plan as the final achievement of the program. Referring the training program, participants are expected to create pragmatic Action Plan for solution against issues. It will be completed through a couple of Workshop held during the training program. Action Plan shall be focused on the matter of participants' scope of work, not to expand to broader or bigger matters you cannot deal with. Through this Action Plan presentation, all participants including Japanese lecturers/ organizers recognize how to make the solution for their own issues and realize how knowledge co-creation program works. The time for each presentation should be in 10 minutes, and it should be made with Microsoft Power Point.

③ Workshop and Weekly Report (Review of Lessons)

During the course, participants are required to attend Discussions in Workshops for IAS and Action Plan. Discussion will be held to share each member's opinion to drive proper countermeasure or solution. Participants need to communicate and discuss in English. In addition, you are requested to present weekly report at every weekend for reviewing the lessons of the week.

(3) 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 . Issue Analysis Sheet (IAS)
- III . Free Comment
- IV . Tentative Schedule



***Technology for Solid Waste Management with Recycling
Promotion for Sound Material-Cycle Society
(JFY 2025)
Job Report (JR), IAS and Free Comment (FC)***

Name:

Country:

Organization and position:

E-mail:

FAX:

Remarks 1: The Annex I, II and III are forms for JR, IAS and FC respectively.

Those should be typewritten in English (12-point font, appropriately spaced, A4 size paper)

Remarks 2: These Annex I, II and III shall be submitted to JICA overseas office (or the Embassy of Japan) along with Official Application Form by due date

Remarks 3: These are essential documents for candidates screening. Describe specifically about you and your idea.

Annex I Job Report

- (1) Brief introduction of your country or region mainly about condition of Solid Waste Management (SWM)

- (2) Brief introduction of organization you are belonging in

- (3) Work you are in charge of

- (4) The biggest concern for betterment of SWM

- (5) The reasons why you apply for this training course and Expectations for the training

- (6) What is the biggest difficulty your country or region handles? Choose one among followings

- Organic wastes
- Plastics
- E-waste
- Others, please name it

- (7) It will be difficult to export recyclables, particularly plastics year by year. How recyclable waste should be dealt in your country afterward? Choose one among followings
- Process in the country to reuse or recycle
 - Pile up as recyclables and wait the technology of recycling
 - Landfill
 - Others, please name it
- (8) Although it is essential to make separation for recycle, there will be difficulties to recycle them to Green products. What do you think of the most effective way to deal with it? Choose one among followings
- Concentrate on Reduce and Reuse management
 - Start charging to single use plastics such as shopping bags etc.
 - Set up Recycling Plant in the country
 - Others, please name it
- (9) Which shall be prioritized either 3R promotion or Proper handling of hazardous waste such as medical waste, if you choose as an urgent matter? Also, reason of choosing it.
- 3R promotion and recycling promotion
 - Proceeding proper processing of hazardous waste
 - Reason
- (10) Choose your current work among followings**
- A) Working at sites for waste collection, transportation and landfilling.
 - B) Working at sites for waste processing as recycling
 - C) Managing and planning work for overall waste treatment (Mainly desk work)
 - D) Research work or analysis work in an institute/ university
 - E) Working for international cooperative project regarding waste management
 - F) Others for environmental management or public hygiene etc.

Followings are the questions separated into each job category in question (10)

For the job categories of A), B) and C)

① Size(Km²), Population of the Region you are in charge :

② Generated waste volume(Tons/year)

③ Ratio of Waste Collection Volume / Waste Generation volume (%)

④ Volume of illegal dumping per year (Tons)

⑤ Does each waste generator pay for the cost for part of waste management?
How much cost is covered by waste generator against incurred cost for total
solid waste management? Tell us rough %

For the Job category of D)

① Explain relationship between your work and Solid Waste Management.
How does your work contribute for solid waste management? :

② Explain whatever you understand about Sound Material Cycle Society:

For the Job category of E)

- ① Explain about current project that you are involved in now

Explain the project name, counter partner for the project, its fund source etc.

- ② What is your position in the project?

For the Job category F)

- ① Explain relationship between your work and Solid Waste Management.

- ② How do you intend to apply this training for your work? Specifically what point would you like to lean in this training course?

Annex II Issue Analysis Sheet (IAS)

Annex II Issue Analysis Sheet

No	Column [A] Issues you are facing now in your scope of work.	Column [B] Challenges you did so far or try to do as the countermeasures against the issues.
	Column [C] What information or knowledge you need.	*Column [D] Which lesson do you feel useful to create solution.
		<p>This column shall be filled at the end of training in Japan.</p> <p>Which lesson do you feel useful for your capacity building.</p> <p>This column shall be filled at the end of training in Japan</p>

Annex II (IAS, Issue Analysis Sheet)

IAS is one of the source information of what participants are confronting and try to solve. Through IAS each participant makes, we will deepen the understanding to find proper solution during the course. That is the philosophy of Knowledge Co-creation Program. Duly think of your position in organization and not give too broad issue. (In the past, big issues beyond candidates' scope of work has been often written by participants. It will be difficult to get successful solution if in that case.)

Each blank column shall be filled by each candidate.

Column 【A】 Issues you are facing now in your scope of work Describe in specific as well as in detail

This is the most important column, because clarifying issue is the first step to start.

Column 【B】 Challenges you did so far or try to do as the countermeasures against issues

Describe this column what you did or try to do against the issue now.

Column 【C】 What information or knowledge you need

This training will serve useful information and opportunity to gain knowledge. Describe the information you need to create a solution or a hint against the issue you are confronting.

***Column 【D】 Which lesson do you feel useful to create solution Which lesson do you feel useful for your capacity building.**

* This column shall be filled at the end of training course in Japan.

This training has lessons for contribution for making solutions for issues that you are facing now. Also, if you are inspired by the lesson please point it out.

Annex III

(FC, Free Comment of your Intention/Idea for making Solution for the issue)

Kindly describe free comments in your own words.

We request each candidate to make comment regarding one of specific issue or challenging. Candidate shall focus on one issue/ challenging to be most concerned, then clearly describe your intention/ idea to tackle for it in detail. Please do not enumerate only issues. We expect candidate's express honest and specific opinions regarding Solid Waste Management or relevant matters. Through this sheet, we will evaluate how deeply candidates think of issues or challenging.

Annex IV

Tentative Training Schedule

Date	Subject (Lesson)
1st Week	
1st day	Briefing / Program Orientation
2nd day	IAS lecture / IAS workshop
3rd day	Job Report workshop / Job Report presentation
4th day	Political regulation system of Japan / Sound Material Cycle System(SMCS), general
5th day	Ecotown visit 1 st / General waste management in Kitakyushu city
2nd Week	
6th day	Sound Material Cycle System (SMCS) Law & regulation I / SMCS Law & Regulation II
7th day	Medical waste separation at Hospital / Medical waste processing
8th day	PET, Cans, Bottle recycling / Industrial waste management in Japan
9th day	Time and Motion study I (Toward efficiency up for SWM)
10th day	Time and Motion study II (work simulation)
3rd Week	
11th day	Composting technology I (Takakura method) Lecture
12th day	Composting technology II (Takura method) Lecture & practice
13th day	Tracing work of garbage collection vehicle / Incineration plant visit
14th day	Environmental education in Kitakyushu city / Ecotown visit 2 nd /
15th day	Lecture for Action plan preparation / Cleaner Production I
4nd Week	
16th day	Semi-aerobic landfill technology (Fukuoka method I&II)
17th day	Semi-aerobic landfill technology (Fukuoka method III&IV)
18th day	Cleaner Production II / Action plan workshop I
19th day	Comprehensive Organic waste recycle plant merging nearby local cities.
20th day	Landfill site at Kitakyushu city / City planning with nature preservation
5nd Week	
21st day	Landfill technology I (management and maintenance) at Fukuoka city

22nd day	Landfill technology II (management and maintenance) at Fukuoka city
23rd day	Composting from animal manure (lecture & Observation)
24th day	Minamata city visit (SWM by municipality, Waste processing plant visit)
25th day	Comprehensive organic waste treatment to create energy
6nd Week	
26th day	Composting company visit / Waste tire recycling plant
27th day	Composting using card board / Compost using farm visit (NPO activity)
28th day	Action plan workshop II
29th day	Sewage treatment plant visit (composting from sewage sludge)
30th day	Waste paper recycling plant
7nd Week	
31st day	Community activity in Kitakyushu city visit / Action Plan presentation rehearsal
32nd day	Action plan presentation / closing ceremony
33rd day	Leave Japan for each country

※The schedule 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.



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