



Knowledge Co-Creation Program (Group & Region Focus)

General Information
on
Disaster Management on Infrastructure
(River, Road and Port)(B)
課題別研修「インフラ(河川・道路・港湾)における災害対策(B)」
JFY 2016
NO. J1604118 / ID. 1684491

Course Period in Japan: From October 24th 2016 to December 17th 2016

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

'JICA Knowledge Co-Creation (KCC) Program' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet in February 2015, it is clearly pointed out 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 center of mutual learning process.

I. Concept

Background

“Sendai Framework for Disaster Risk Reduction 2015-2030” was adopted as post-HFA at the 3rd UN World Conference on Disaster Risk Reduction in March 2015 in Sendai, Japan, which aims at further promoting activities on disaster risk reduction worldwide. According to Sendai Framework for DRR, there are 4 priorities for Action.

1. Understanding disaster risk;
2. Strengthening disaster risk governance to manage disaster risk;
3. Investing in disaster risk reduction for resilience;
4. Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction.

There are many countries in the world that are constantly stricken by great disasters, such as earthquakes, floods, and landslides. The “Disaster Management on Infrastructure (river, road and port)” is designed for civil engineers to support establishing disaster management system for infrastructure in a disaster-prone and / or stricken area. The overall goal of this program is that disaster mitigation and restoration for Infrastructure will be improved in participating organization.

For what?

This program aims to provide knowledge on applicable techniques for more practical, efficient and effective disaster mitigation, preparedness and restoration related to infrastructure (river, road and port) based on Japan's experiences.

For whom?

This program is offered to CIVIL ENGINEERS who are involved in disaster management on infrastructure (except for building and housing), from the viewpoint of investigation, planning, implementation or maintenance.

How?

Participants will have opportunities in Japan to obtain new information and expand their knowledge of disaster prevention systems, restoration system and special engineering method implemented in Japan through lectures, site observations and discussions.

Participants will also formulate an action plan describing what the participant will do after he/she goes back to home country based on the knowledge and ideas acquired and discussed during the program in Japan.

II. Description

**1. Title (J-No.): Disaster Management on Infrastructure
(River, Road and Port)(B) (J1604118)**

**2. Course Period in JAPAN
From October 24th 2016 to December 17th 2016**

3. Target Regions or Countries
Kenya, Sri Lanka, Tajikistan, Tanzania, Dominica, Haiti, Papua New Guinea,
Bangladesh, Brazil, Myanmar, South Sudan

4. Eligible / Target Organization and Participants

(1) Target Organizations :

This program is designed for governmental organizations in charge of disaster prevention and recovery for infrastructure (river, road and port). The kinds of disasters dealt with in the modules are limited to natural phenomena, such as flood, earthquake, tsunami and landslide which damage infrastructures in a short period of time. Please note that neither drought, wildfire nor extreme temperature is dealt with in this program.

(2) Target Participants:

Target participants of this program are Civil Engineers who are involved in disaster management on infrastructure(except for building and housing), especially taking charge of river, road or port (from the viewpoint of investigation, planning, implementation or maintenance). As for some essential qualifications for nominees, please see section III-2.

5. Course Capacity (Upper limit of Participants)
12 participants

6. Language to be used in this program
English or Japanese with English interpretation

7. Course Objective:
Participants will acquire knowledge on applicable techniques for more practical, efficient and effective disaster prevention, mitigation, preparedness and restoration for infrastructure (river, road and port), and make an action plan for his/her country or organization.

8. Overall Goal
Disaster prevention, mitigation and rehabilitation for infrastructure (river, road and port) will be improved in participating organizations.

9. Expected Module Output and Contents:

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

Expected Module Output	Subjects/Agendas	Methodology
<p><A> To understand the similarities and differences of the feature of natural disaster between the participant's country and Japan.</p>	<p>(1) Natural disasters in Japan</p> <p>(2) Natural disasters and its analysis in each country</p>	<p>Lecture and Field visit</p>
<p> To understand the national, prefectural and municipal governmental policies, plans and measures in Japan.</p>	<p>(1) National governmental policies, plans and measures</p> <p>(2) Prefectural governmental policies, plans and measures</p> <p>(3) Municipal governmental policies, plans and measures</p>	<p>Lecture and Field visit</p>
<p><C> To understand non-structural measures such as weather forecast, early warning system, information sharing system, etc.</p>	<p>(1) Weather forecast</p> <p>(2) Early warning system</p> <p>(3) Information sharing system</p>	<p>Lecture and Field visit</p>

<p><D> To understand structural measures such as the engineering techniques for disaster mitigation, preparedness and restoration for infrastructure against various natural disasters in Japan.</p>	<p>(1) River improvement (River & Dam)</p> <p>(2) “Sabo” (Erosion and Sediment Control) works</p> <p>(3) Road works (Road and Bridge)</p> <p>(4) Sea coast and Port</p> <p>(5) Quake-resistance</p>	<p>Lecture and Field visit</p>
<p><E> To prepare an Action Plan and propose applicable technics / knowledge to participant's country or organization.</p>	<p>(1) Problem analysis, solution finding</p> <p>(2) Presentation of Action plan</p>	<p>Workshop, Consultation, Presentation</p>

Required Tasks:

Participants are required to participate in all modules actively and contribute to achieve the goals of this program.

In addition, they are also requested to complete the following tasks during the program.

- 1) Job Report: Introduction and raising the issues of your country. Participants are required to make a presentation about this report at the beginning of the program. As for the details, please see ANNEX 1.
- 2) Basic Information Matrix: As for the details, please see ANNEX 1.
- 3) Action Plan: Participants are required to prepare and present their Action Plans.
- 4) Progress Report: Participants/participating organizations are required to produce final outputs by making use of results brought back by participants. Please submit your final progress report by the end of June 2017.

10. Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the program further. Please note that the support shall be extended selectively based on the proposals submitted by participating organizations.

III. Conditions and Procedures for Application

1. Expectations for the Participating 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 utilize the program 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 program to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.

2. Nominee Qualifications:

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

(1) Essential Qualifications

1) Educational Background:

Applicants should be university graduates or have equivalent educational qualifications in the area of civil engineering.

2) Current Duties & Experience in the relevant field:

Applicants should be civil engineers of central or local government with having at least 5 years of experience in infrastructure management (except for building / housing) or infrastructure information management including administration of disaster mitigation.

3) English Language Qualification:

Language: have a competent command of English which is equal to TOEFL iBT 80 or more. (This training program includes active participation in discussions, which requires HIGH competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible.)

4) Health: must be in good health, both physically and mentally, to participate in the program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

(2) Recommendable Qualifications

- 1) Age: Applicants are recommended between 25 to 45 years old.

3. Required Documents for Application:

(1) Application Form:

The Application Form is available at the respective country's JICA office (or the Embassy of Japan.)

(2) Photocopy of passport: to be submitted 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 Expiry date.

(3) Nominee's English Score Sheet: to be submitted with the Application Form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS), please attach it (or a copy) to the Application Form.

4. Procedures for Application and Selection :

(1) Submission of the Application Documents:

Closing date for applications: **Please inquire to the JICA office (or the Embassy of Japan).**

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN** by **August 18, 2016**)

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance:

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than September 16, 2016.**

5. Document(s) to be submitted by accepted candidates:

(1) Basic Information Matrix:

Please submit Basic Infrastructure Matrix by Email by the end of September.
As for the detail, please see ANNEX 1.

(2) Job Report:

Job Report should be submitted on the first day of program in Japan. As for the detail, please see ANNEX 1.

6. Conditions for Attendance:

- (1) to strictly adhere to the program schedule,
- (2) not to change the program topics,
- (3) not to extend the period of stay in Japan,
- (4) not to be accompanied by family members during the program,
- (5) to return to home countries at the end of the program in accordance with the travel schedule designated by JICA,
- (6) to refrain from engaging in any political activities, or any form of employment for profit or gain,
- (7) to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation, and
- (8) to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA Kansai

(2) **Contact:** Mr. Shingo TOMITA (Tomita.Shingo@jica.go.jp and jicaksic-unit@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Ministry of Land, Infrastructure, Transportation and Tourism,
Kinki Regional Development Bureau

(2) **URL:** <http://www.kkr.mlit.go.jp/en/index.html>

3. Travel to Japan:

(1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus, traveling time outside Japan will not be covered.

4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA Kansai International Center (JICA Kansai)

Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073,
Japan

TEL: 81-78-261-0386 FAX: 81-78-261-0465

(where "81" is the country code for Japan, and "78" is the local area code)

If there is no vacancy at JICA Kansai, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of JICA Kansai at its URL, <http://www.jica.go.jp/english/about/organization/domestic/index.html>

5. Expenses:

The following expenses will be provided for the participants by JICA:

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping,

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

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

(4) Expenses for program implementation, including materials.

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.

6. Pre-departure Orientation:

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

V. Other Information

1. Participants who have successfully completed the program will be awarded a certificate by JICA.
2. For the promotion of mutual friendship, JICA Kansai encourages international exchange between JICA participants and local communities, including school and university students as a part of development education program. JICA participants are expected to contribute by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home country.
3. Participants are highly recommended to bring laptop computers for your convenience. During the program, participants are required to work on the computers, including preparation of Action Plans, etc. Most of the accommodations have internet access. Also, there is a computer room in JICA Kansai where 14 desk-top computers are available with internet access.
4. Participants are requested to bring athletic shoes and backpack (or small suitcase). Athletic shoes are necessary for field visit and backpack (or small suitcase) is necessary when you go out for a short trip to other cities. (so that you don't need to carry everything)
5. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account (opened by JICA) in Japan 2 to 5 days after your arrival in Japan. It is highly advised to bring some cash / traveler's check in order to cover necessary expense for the first 2 to 5 days after your arrival.
6. It is very important that your currency must be exchanged to Japanese Yen at any transit airport or Kansai International Airport (KIX) in Osaka, Japan soon after your arrival. It is quite difficult to exchange money after that, due to limited availability of facility or time during the program.

ANNEX 1:

NECESSARY CONTENTS OF THE BASIC INFORMATION MATRIX & JOB REPORT

< A > Basic Information Matrix (Selected participants are required to submit by the end of September, 2016 to Tomita.Shingo@jica.go.jp)

The Basic Information Matrix aims to sum up basic information about disasters and share them with other participants and instructors. The Basic Information Matrix is divided into three parts. The first section is basic data of each country. The second section is asking some data on disaster for Infrastructure. The third section is information related to assistance by JICA and the Government of Japan. It would be desirable that each participant fills out this part in cooperation with respective country's JICA office. (Please use the format on next page)

< B > Job Report (Selected participants are required to make a Job Report presentation at the beginning of program. So, please prepare and submit it after your arrival in Japan.)

(a) Style

- Presentation should be prepared by Microsoft® Power Point.
- Presentation should cover following four elements.
 1. The missions of participants' organization and his/her own duty
 2. Natural disasters typically occur in participant's country, and that have occurred in recent years
 3. Experience(s) of natural disaster management in your duties
 4. Problems and issues of participant's organization that need to be solved or improved from a perspective of "Disaster Mitigation and Restoration for Infrastructure" and his/her own objectives to participate in this program
 - Please use some tables, figures and pictures to facilitate better understanding of the participants and lecturers (e.g. pictures about situation of damage by disasters and so on).
- Desirable volume is about ten (10) slides. On the each slide, please indicate only main point (NOT long-winded sentences).

(b) Language

- English

(c) Submission

- On the first day of program in Japan (at the time of program orientation from JICA officer)
 - When participants come to Japan, please bring your Job Report Presentation in electronic file. (PC, USB, etc.)

(d) Presentation Date, Place and Time

- Job report presentation is planned to be held at a seminar room in JICA Kansai International Center.
- Each participant is requested to make a presentation in 15 minutes.

Basic Information Matrix

【1】 インフラ施設の自然災害に関する情報 Information on Disaster for Public Works	
1-1-1 主な地理・地質条件 Geographic & Geological conditions	
1-1-2 気候区分、年間降水量、時間最大降雨量 Climatic Division, Annual Rainfall, & Peak Rainfall per 1 hour	気候区分 Climatic Division
	年間降水量 Annual Rainfall
	時間最大降雨量 Peak Rainfall per 1 hour
1-1-3-(a) 水文観測データの有無（雨量、水位、潮位について） Existence of Hydrological Observation Date (Please write "○" if the observation carries out, or "×" if not.)	雨量 Rainfall
	水位 Water Level
	潮位 Tide Level
1-1-3-(b) 水文観測機関とインフラ担当機関の連絡体制の有無 Existence of the established system for cooperation between organization in charge of hydrological observation and organization in charge of infrastructure (Please write "○" if such relationship exists, or "×" if not)	
1-1-4 国全体でよく起きる自然災害 Please indicate most typical disasters in your country	
1-1-5 上記1-1-4の災害において、政府や所属先が優先順位をもって対処すべきと考えている自然災害 Disasters which your organization and government try to tackle with high priority (Please choose disasters within the above answers (1-1-4))	
1-1-6 上記1-1-5に対しての現行の対応策 Please indicate some countermeasures against disasters which mentioned the above question (1-1-5)	
1-1-7 上記1-1-6の行ううえでの課題 Please indicate some obstacles and problems to implement 1-1-6	

<p>1-2-1 上記1-1-4及び1-1-5に関して、災害復旧に関する法律・制度等はあるか Existence of Law(s) and/or System(s) about Disaster Restoration related to 1-1-4 and 1-1-5 (Please write "○" if such law(s) and/or system(s) exist for the following infrastructure, or "×" if not)</p>	道路 Road	
	河川 River	
	港湾 Port	
	その他 others	
<p>1-2-2 災害復旧工法としての設計基準の有無 Existence of design basis and standards that prescribes post-disaster construction methods (Please write "○" if such design basis exist, or "×" if not. Besides, if you choose "○", please describe and submit outline of them on other piece of paper)</p>	道路 Road	
	河川 River	
	港湾 Port	
	その他 others	
<p>1-3-1 災害に関するソフト対策（ハザードマップ等）の有無 Existence or Non-Existence of "intangible" system(s) against disasters (e. g. a hazard map to show prediction of damages by disasters) (Please write "○" if such system(s) exist, or "×" if not)</p>		
<p>【2】日本政府からの支援に関する情報 Assistance by Government of Japan</p>		
<p>2-1 本研修に関連のある主なプロジェクト（過去、現在、予定） Past, Present and Future Projects related to this course</p>		
<p>2-2 本研修への参加への期待（JICA事務所・先方政府） Expectation for participants to this course from JICA and their government</p>		

ANNEX 2:

Following is the schedule in last year for your reference only.
(The schedule is subject to change)

Date	Time	Type	Module	Subject	Lecturer or Organization	
					Name	Position & Organization
10/19	MON			Arrival in Japan		
10/20	TUE	10:00-12:30		Briefing and JICA Kansai Tour	Ms. Arifa Ms. Takeda	JICA Kansai
		13:30-16:00		Program Orientation	Mr. Tomita	Program Division 2, JICA Kansai
		17:00-18:30		Japanese Language Class		
10/21	WED	10:00-12:00	L	General Orientation: Japanese Society	Prof. Fujita	
		13:15-15:15	L	General Orientation: Japanese Economy	Prof. Odano	
		15:30-17:30	L	General Orientation: Japanese History	Prof. Shimamoto	
		18:30-20:00		Japanese Language Class		
10/22	THU	9:30-12:30	L	A, E Course Orientation/Explanation on How to Make Action Plan	Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)
		13:30-16:30	L	A, B Natural Disasters in Kansai Region in Recent Years	Mr. Tanaka	Kinki Regional Development Bureau (KRDB), MLIT
		17:00-18:30	L		Japanese Language Class	
10/23	FRI	9:30-12:30	O	A Visit to Disaster Reduction and Human Renovation Institution		
		13:00-17:00	P	A Job Report Presentation	Mr. Baba Mr. Okino Mr. Kon Mr. Aoshima Mr. Yamashita	Public Association for Construction Services in Kinki Region (CSKR) Kansai Mini Wings
10/24	SAT	9:00-10:30	L		Mr. Matsushita Ms. Inenaga	Rekishi Kaido Promotion Council
		13:30-15:00	O			
		15:30-16:30	O			
		17:00-17:45	O			
10/25	SUN		N	(No Official Program)		
10/26	MON	9:30-11:00	L	C Response to Disasters by District Meteorological Observatory (Weather Forecast)	Mr. Edamoto	Osaka District Meteorological Observatory
		11:00-12:30	L	C Response to Disasters by District Meteorological Observatory (Earthquake)	Ms. Furuta	Osaka District Meteorological Observatory
		13:30-16:30	L	A, B, D Disaster Countermeasures for Rivers(Flood/Earthquake/Tsunami)	Mr. Oshiki	Japan Development and Construction
10/27	TUE	9:30-12:30	L	A, B Rivers in Japan	Mr. Okuno	River Dept. , KRDB, MLIT
		13:30-16:30	L	C, D Flood Control Planning in Japan	Mr. Hyodo	Osaka Branch Office, IDEA Consultants Inc.
10/28	WED	10:15-11:00	O	B, D Yodo River Dams Control Center	Mr. Shirakawa	Yodo River Dams Control Center, KRDB, MLIT
		12:00-15:45	O	B, D Seta Weir / Amagase Dam Redevelopment Project Sites	Mr. Inoue	Biwako Office, KRDB, MLIT
10/29	THU	9:00-11:45	O	D Construction Technology Expo 2015 Kinki	Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)
		12:30-17:00	P	E Development of Action Plan(PCM)		
10/30	FRI	10:00-11:30	L	B, D Yodo River Improvement Works	Mr. Sakuma	Yodo River Office, KRDB, MLIT
		12:30-15:30	O	D Yodo River Great Weir/ Kema Pump Station/ Three Rivers Meeting Point		
					Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)

10/31	SAT		N		(No Official Program)			
11/1	SUN	AM-PM			Program at Suzurandai High School			
Study Trip to Tokyo (November 2 - November 8)								
11/2	MON	AM	L		Move to Tokyo from JICA Kansai JICA Kansai(Taxi)→Shinkobe Station(Nozomi #116 Departure Time: 8:36)→Tokyo Station(Arrival Time: 11:23) →JICA Tokyo(JICA Bus) Expected Time of Arrival at JICA Tokyo: 12:10			
		13:30-16:30	A, B		International Cooperation of Ministry of Land, Infrastructure Transport & Tourism	Ms. Fukushima	Overseas Project Div., Policy Bureau, MLIT	SR410 JICA Tokyo
11/3	TUE	9:30-12:00	L	D	Soft Ground Improvement (Ground Strengthening & Measures against Liquefaction)	Mr. Hara	Japan Foundation Engineering Co., Ltd	SR 410 JICA Tokyo
		13:30-15:30	O	D	Construction site/ Tokyo Bay Aqua Line	Mr. Hara	Japan Foundation Engineering Co., Ltd	Aqualine & Others
11/4	WED	9:00-12:30	L	A, B	Infrastructure Development and Japan's ODA	Prof. Tanimoto	(Former) Faculty of Human & Social Studies, Keisen University	SR 410, JICA Tokyo
		13:30-16:30	P	E	Reflection ①			
11/5	THU	9:30-12:30	L	A, D	River Improvement Methods by Utilizing Nature and Disaster Management Projects (Groin)	Mr. Fukutome	Nishi Nihon Institute of Technology	SR 410, JICA Tokyo
		13:30-16:30	L	B, C, D	Handling of Management Equipment for Monitoring of Disaster	Ms. Wakatsuki	Takuwa Corporation Ltd.	Auditorium, JICA Tokyo
11/6	FRI	9:30-11:00	L	B, C	Introduction to GFAS(Global Flood Alert System)	Ms. Katayama	International Development Institute- Japan	SR 410, JICA Tokyo
		13:00-16:30	L	A, B, C	Outline of Flood Forecasting Model	Mr. Miyamoto	Global Center of Excellence for Water Hazard and Risk Management, Public Works Research Institute	
11/7	SAT	9:00-12:20	O		Hato Bus Morning Tour (Sightseeing in Tokyo:Tokyo Tower, Imperial Palace, Asakusa)			
11/8	SUN	AM-PM			Move from JICA Tokyo to JICA Kansai JICA Tokyo(JICA bus)→Tokyo Station(Nozomi #25 Departure Time: 10:30)→Shinkobe Station(Arrival Time: 13:22) → JICA Kansai(Taxi) Expected time of arrival at JICA Kansai: 14:00			
11/9	MON	10:30-11:15			Courtesy Call to Director General of Kinki Regional Development Bureau, MLIT	Mr. Yamada	Director General, Kinki Regional Development Bureau, MLIT	KRDB, MLIT
		13:30-16:30	L	C, D	Comprehensive Flood Control Management on Ina River (Outline of How to Make Hazard Map)	Mr. Kotani	Ina River Office, KRDB, MLIT	Ina River Office, KRDB, MLIT
11/10	TUE	10:00-11:30	O	B, D	Observation of Tsunami Storm Surge Disaster Prevention Station	Mr. Wakabayashi	Nishiosaka Flood Control Office, Osaka Prefecture Government	Nishiosaka Flood Control Office, Osaka Prefecture Government and others
		11:30-12:30	L	B, D	Flood Control Plan of Osaka Prefecture	Mr. Fukumoto	City Development Dep., Osaka Prefecture Government	
		13:00-16:30	O	B, D	Flood Control Facilities of Neyagawa River	Mr. Yamada	Neyagawa River-Basin Flood Control Office Osaka Prefecture Government	
11/11	WED	9:30-12:30	L	E	Reflection ②			SR 42, JICA Kansai
		13:30-16:30	L	A, B	Environment and the Role of Civil Engineers	Prof. Shimizu	Research Center for Environment Quality Management, Kyoto University Japan	
11/12	THU	9:30-12:30	P	A, D	Disaster Damage Restoration Methods (Rivers and Seacoast)	Mr. Nishijima	KRDB, MLIT	SR 42, JICA Kansai
		13:30-16:30	L	A, B	History of Sabo and Techniques to Prevent Debris Flow	Prof. Mizuyama	National Graduate Institute for Policy Studies	
11/13	FRI	9:30-12:30	L	A, C	Sabo Projects(Sabo & Countermeasures against Debris Flow)	Mr. Kishimoto	KRDB, MLIT	Rokko Sabo Office
		13:30-16:30	O	C, D	Rokko Sabo Dams/Hazard Map/Soil Cement Construction Method	Mr. Fukuoka	Rokko Sabo Office, KRDB, MLIT	
11/14	SAT		N		(No Official Program)			
11/15	SUN		N		(No Official Program)			
11/16	MON	9:30-12:30	L	A, B, D	Practical Works for Road Management (Road Disaster Management)	Mr. Matsuda	Road Dep., KRDB, MLIT	Orientation Room 1 & 2 JICA Kansai
		13:30-16:30	L	A, C, D	Slope Protection (Investigation)	Mr. Fukuzuka	Environment Dep., Osaka Office, Yachiyo Engineering Co., Ltd.	

Study Trip to Nara and Wakayama(November 17 - November 18)							
11/17	TUE	AM	O		Move to Nara from JICA Kansai JICA Kansai (Bus)→Nara Prefecture(Landslide in Ui Area)→		
		12:00- 13:00	O	D	Landslide in Ui Area	Mr. Okuda	Gobo Civil Engineering Office, Nara Prefecture Government
		13:00- 14:00	O	D	Akadani Area →National Road No.168	Mr. Hayashi	Kisanchi Sabo Office, KRDB, MLIT
		16:00- 17:00	O	D	National Road No.311 Disaster Restoration Area(Takijiri Area)→Tanabe City	Mr. Zaiga	Department of Land Development, Wakayama Prefecture Government
					Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)	
11/18	WED	10:00- 12:00	O	B,D	Disaster Prevention Facilities in Tanabe City	Mr. Hayada	Disaster Prevention Community Development Div., Tanabe City Government
		13:00- 17:00			Move to JICA Kansai from Tanabe City		
11/19	THU	9:30- 12:00	L	A	Practical Works for Road Management (Road Disaster Management)	Mr. Kawai	Road Dept., KRDB, MLIT
		14:30- 15:30	O	D	Common Duct (National Road No. 9 & National Road No.1)		
						Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)
11/20	FRI	9:30- 12:30	L	A	Management for Road Bridges	Mr. Matsuda	Road Dept., KRDB, MLIT
		13:30- 16:30	L	A,D	Slope Protection Methods for Roads and Bridges(Landslides)	Mr. Nishijima	Planning Dept., KRDB, MLIT
11/21	SAT		N			(No Official Program)	
11/22	SUN		N			(No Official Program)	
11/23	MON	10:00- 18:00	O		Home Visit (Ibaraki City)		
11/24	TUE	9:30- 12:30	L	D	Slope Protection(Mountain Tunnel Construction Methods)	Mr. Yamada	Civil Engineering HQ, Konoike Construction Co., Ltd.
		13:30- 16:30	L	D	Slope Protection Methods(Designing)	Mr. Sakamoto	Yachiyo Engineering Co., Ltd.
11/25	WED	9:30- 12:30	L	D	Ground Reinforcement Technology for Disaster Prevention and Mitigation	Prof. Miyata	Dept. of Civil & Environmental Engineering, National Defense Academy
		13:30- 16:30	L	D	Restoration for Native Forest in Construction Site	Mr. Takano	International Association For Restoration of Native Forest
11/26	THU	9:00- 10:30	L	B	Outline of Hazard Map	Mr. Ogawa	BOSAI International
		10:30- 12:30	O	B	Field Survey in Aotani Area		
		13:30- 16:30	P	B	Development of Hazard Map		
					Mr. Ikeda	Asian Disaster Reduction Center	
11/27	FRI	9:30- 12:30	L	B	Community Based Disaster Risk Management of Kobe City (Joint Lecture with JICA Kyushu Participants)	Mr. Moriya	Prevention Department, Kobe City Fire Bureau
		13:30- 16:30	L	A, B, C, D	Japanese Ports and Harbors	Mr. Honda	Ports and Airports Dept., KRDB, MLIT
11/28	SAT	AM	N				(No Official Program)
		PM			Session with Students of Osaka Jogakuin University		
11/29	SUN		N			(No Official Program)	
11/30	MON	9:30- 12:30	P	E	Reflection ③		
		13:30- 16:30	L	D	Unpaved Roads Maintenance in Developing Countries	Prof. Kimura	Graduate School of Engineering, Kyoto University
12/1	TUE	10:00- 12:30	L	B	Earthquake Damage and Restoration of Kobe Port	Mr. Wada	Port Authority, Kobe City Government
		13:30- 16:30	O	B,D	Earthquake Resistance Facilities of Kobe Port	Mr. Oue	Kobe Ports & Harbors Office, KRDB, MLIT
12/2	WED	9:30- 12:30	L	C,D	Information and Telecommunication at a Time of Disaster (Hardware Application)	Mr. Nakamura	Planning Div., KRDB, MLIT
		13:30- 16:30	P	E	Development of Action Plan		

Study Trip to Akashi Kaikyo Bridge & Hiroshima (December 3- December 4)							
12/3	THU				JICA Kansai(Bus)→Akashi Kaikyo Bridge(Bus) →Nishiakashi Station(Hikari 471 Departure Time 15:31) →Himaji Station(Sakura 563 Departure Time 15:50) →Hiroshima Station (Arrival Time 16:52) →Hotel		
		9:30- 11:30	O	D	Akashi Kaikyo Bridge	Mr. Endo	Planning Div., Honshu-shikoku Bridge Expressway Co., Ltd.
12/4	FRI	8:45- 12:00	O	D	Hiroshima Sediment Disaster Restoration Sites(Sabo)	Mr. Aoto	Oota River Office, Chugoku Reginal Office, MLIT
		13:00- 14:20	O		Hiroshima Peace Memorial Museum		
						Mr. Baba	Public Association for Construction Services in Kinki Region (CSKR)
				Museum(Taxi)→Hiroshima Station(Sakura556 Departure Time 15:17) →Shinkobe Station (Arrival Time 16:30 JICA Bus)→JICA Kansai			
12/5	SAT		N		(No Official Program)		
12/6	SUN		N		(No Official Program)		
12/7	MON						
		10:00- 14:30	O	A, B, D	Yamato River Improvement Projects/ Kamenose Landslide Prevention Project Site	Mr. Tatuske	Yamato River Office, KRDB, MLIT
Study Trip to Shin-Fuji & Ishikawa (December 8- December 10)							
12/8	TUE				Hotel Granvia→Osaka Station→Shinosaka st. (Hikarai 462)→Hamamatsu st.(Kodama 644) →Sin-Fuji st.(Bus)→Fuji Sabo Office		
			L	A, B, C, D	Sabo Projects around Mr. Fuji (Yui Landslide Project Site)	Mr. Yoshida	Fuji Sabo Office, Chubu Regional Development Bureau, MLIT
						Mr. Baba	Public Association for Construction Services, Kinki Region (CSKR)
12/9	WED				Hotel(Bus)→Mr. Fuji (Bus)→Mishima st. (Kodama 654 Departure Time 14:50)→Tokyo st. (Arrival Time 15:47)(Kagayaki 511 Departure Time 16:24)→Kanazawa st.(Arrival Time 18:58)		
		9:00- 12:00	O	D	Fuji Sabo Project Sites (Yui Landslide)	Mr. Keiji Yoshida	Fuji Sabo Office, Chubu Regional Development Bureau, MLIT

12/10	THU	9:00-10:00	O		Kenrokuen (Japanese Garden)		
		10:30-11:30	L	B	Mitigation Project of Seashore Erosion along Ishikawa Coast	Mr. Uchibori	Kanazawa Office, River & National Highway, Hokuriku Regional Development Bureau, MLIT
		12:00-15:00	O	D	Project Sites of Seashore Erosion	Mr. Baba	
					Kanagawa Sea Coast (Bus) →Kagaonsen st.(Thunderbird32 Departure Time 15:44) → Osaka st.(Arrival Time 18:09) →Nada st.(JICA Bus) →JICA Kansai		
12/11	FRI	10:30-11:45	L	A	Asian Disaster Reduction Center	Mr. Ikeda	Asian Disaster Reduction Center
		15:00-16:15	O		Osaka City Abeno Life Safety Learning Center	Mr. Baba	Public Association for Construction Services in Kinki Region(C.S.K.R)
12/12	SAT		N		Submission of Questionnaire		
12/13	SUN		N				
12/14	MON	9:30-16:30	P	E	Action Plan Development (Individual Guidance)		
12/15	TUE	10:00-16:30		E	Action Plan Development (Guidance)	Mr. Okino Mr. Kon Mr. Aoshima Mr. Yamashita	Kansai Mini Wings
12/16	WED		P	E	Action Plan Development & Submission (Upload AP Data to GIGAPOD by 10:00AM)		
12/17	THU	10:00-16:30	P	E	Action Plan Presentation	Mr. Tamita	Program Division 2, JICA Kansai
						Mr. Baba	Public Association for Construction Services in Kinki Region(C.S.K.R)
						Mr. Okino Mr. Kon Mr. Aoshima Mr. Yamashita	Kansai Mini Wings
12/18	FRI	10:00-11:00			Evaluation Meeting	Mr. Tamita	Program Division 2, JICA Kansai
		11:00-11:30			Closing Ceremony	Mr. Onishi	Director General, Kinki Regional Development Bureau, MLIT
		11:30-12:30			Farewell Party	Mr. Fujiwara	Planning Dept., KRDB, MLIT
12/19	SAT				Departure from Japan		

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, Knowledge Co-Creation programs (until 2015, so called “training”), JOCV programs, etc.

Within this wide range of programs, Knowledge Co-Creation Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs 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 are being customized to address the specific needs of different target organizations, 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 was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

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 this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

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.



CORRESPONDENCE

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