

No.12040/20/2012-FTC (Trg.)  
Government of India  
Ministry of Personnel, P.G and Pensions  
Department of Personnel and Training  
Training Division

Block-4, Old JNU Campus  
New Mehrauli Road, New Delhi-67  
Dated 12th March, 2012

**TRAINING CIRCULAR**

Subject: Training Course in Disaster Mitigation and Restoration for Public Works (River, Road and Port) and to be held in Japan from 4<sup>th</sup> June, 2012 to 4<sup>th</sup> August, 2012.

The undersigned is directed to state that the Japan International Cooperation Agency (JICA) under the Technical Cooperation of the Government of Japan has invited applications for the above programme to be held from May 2012 to February 2013. The Core Phase would be held in Japan from 4<sup>th</sup> June, 2012 to 4<sup>th</sup> August, 2012.

2. The programme aims to acquire knowledge on application techniques for more practical, efficient and effective disaster mitigation, preparedness and restoration and make dissemination plan for the organization in charge of relevant fields. This program is designed for governmental organizations in charge of disaster prevention and recovery for public works (road, river and port).
3. The candidates should be university graduates or having equivalent educational qualifications in the area of civil engineering; should be civil engineers in Central or State Government with having at least 5 (Five) years experience in infrastructure management (except for building/housing) or infrastructure information management including administration of disaster mitigation; be under the age of 45 years at the beginning of training course; be proficient in written and spoken English; be in good health to undergo the above training.
4. In addition to the above, the following information in respect of the nominated officers may please be furnished while furnishing the nomination:
  - a) Whether attended any foreign training programme in the past? If so, the duration/detail thereof;
  - b) Whether clear from vigilance angle?
  - c) Age;
  - d) Whether working in North East State/I&K?
  - e) A brief in 50-100 words justifying the nomination.

...2/-

5. The course covers the cost of a round-trip air ticket between an international airport designated by JICA; travel insurance from the time of arrival in Japan to departure from Japan; allowances for (accommodation, living expenses, outfit and shipping); expenses for JICA study tours and free medical care for participants who may fall ill after reaching Japan (costs relating to pre-existing illness, pregnancy, or dental treatment is not included). The participants are not allowed to take any family member during the training course.

6. It is requested that the nomination of the suitable candidates may please be forwarded in the prescribed form to this Department in accordance with the eligibility criteria.

7. The applications should reach this Department through the Administrative Ministry/State Government not later than **19<sup>th</sup> March, 2012**. Nominations received after the prescribed date will not be considered. The details of the programme and the application form may be drawn from Ministry of Personnel, Public Grievances and Pensions [website \(persmin.nic.in\)](http://persmin.nic.in).

  
(N.K. Wadhwa)

Under Secretary to the Government of India

Copy to:

1. The Secretary, Ministry of Home Affairs, North Block, New Delhi.
2. The Secretary, Department of Shipping, Transport Bhawan, New Delhi.
3. The Secretary, Department Road Transport and Highways, Transport Bhawan, New Delhi.
4. The Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi.
5. The Director, National Disaster Management Authority, NDMA Bhawan, Safdarjang Enclave, New Delhi.
6. All State Governments/Union Territories.  
(with the request to circulate it amongst the related organizations)
7. NIC with the request to post the circular along with the JICA's circular and the enclosed application Proforma on the Department's website.



# TRAINING AND DIALOGUE PROGRAMS

## GENERAL INFORMATION ON

### DISASTER MITIGATION AND RESTORATION FOR PUBLIC WORKS (RIVER, ROAD AND PORT)

集団研修「インフラ施設(河川・道路・港湾)の自然災害に対する  
抑止・軽減対策及び復旧対策」

JFY 2012

NO.J12-00887 / ID. 1280221

<Type: Trainers Training / 類型: 人材育成普及型>

From May 2012 To February 2013

(Phase in Japan: From June 4, 2012 To August 4, 2012)

This information pertains to one of the Training and Dialogue Programs 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.

This program has been conducted by JICA OSAKA.

However, from 1 April 2012, JICA OSAKA is to be merged with JICA HYOGO into JICA KANSAI.

Kindly be informed that some information in this GI such as "contacts" and "location" is changed from the previous year.

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## **I. Concept**

### **Background**

There are many countries in the world that are constantly stricken by great disasters, such as earthquakes, floods, and landslides. The "Disaster Mitigation and Restoration for Public Works (River, Road and Port)" course is designed for CIVIL ENGINEERS to allow them to establish disaster management system for infrastructure in a disaster-prone and / or stricken area. The overall goal of this course is that disaster mitigation and restoration for public works (river, road and port) will be improved in participating organization.

### **For what?**

This program aims to acquire knowledge on applicable techniques for more practical, efficient and effective disaster mitigation, preparedness and restoration, and make dissemination plan for his/her organization in charge of relevant fields.

### **For whom?**

This course is offered to CIVIL ENGINEERS who are involved in infrastructure management (except for building and housing), especially taking charge of a river, road or port (from the viewpoint of investigation, planning, implementation or maintenance).

### **How?**

Participants shall 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. Participants will also formulate the dissemination plan to diffuse the knowledge and ideas which they gain during stay in Japan. After going back your institution, you (also your institution) are required to implement that dissemination plan and report the result by the end of February 2013.

## II. Description

1. **Title: Disaster Mitigation and Restoration for Public Works (River, Road and Port) ( J12-00887 )**

2. **Period of program**

**Duration of whole program:** May 2012 to February 2013  
**Preliminary Phase:** May 2012 (in participant's home country)

**Core Phase in Japan:** June 4, 2012 to August 4, 2012  
**Finalization Phase:** August 6, 2012 to February 28, 2013  
 (in participant's home country)

3. **Target Regions or Countries**

Philippines, El Salvador, Timor-Leste, Viet Nam, India, Solomon Islands, Samoa, Chile, Ecuador, Turkey, Myanmar, Palau, Venezuela, Nigeria, Tajikistan and Colombia

\*\*\*The number of participants from each country will be one except for Viet Nam.\*\*\*

4. **Eligible / Target Organization, and Participants**

(1) **Target Organizations**

This program is designed for governmental organizations in charge of disaster prevention and recovery for public works (road, river and port). The overall goal of this course is that disaster mitigation, preparedness and restoration for public works above mentioned will be improved in participating organization.

The kinds of disasters dealt with in the modules are limited to natural phenomena, such as flood, earthquake and tsunami, and landslide which damage infrastructures in a short period of time. Please note that neither drought nor conflict is dealt with in this course.

(2) **Target Participants**

Target participants of this course are Civil Engineers who are involved in infrastructure management (except for building and housing), especially taking charge of a 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 (pp.7-8).

5. **Total Number of Participants : 17**

6. **Language to be used in this program:**

English or Japanese with English interpretation

7. **Program Objective:**

Participants acquire knowledge on applicable techniques for more practical, efficient and effective disaster mitigation, preparedness and restoration, and make dissemination plan for his/her organization in charge of relevant fields.

**8. Expected Module Output and Contents:**

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

<b>(1) Preliminary Phase in a participant's home country (May 2012)</b>		
<i>Participating organizations are required to make preparation for the course in the respective country.</i>		
Expected Module Output	Activities	
Job report is formulated	Formulation and submission of Job Report (As for the details, please see the "ANNEX 1" section on pp.13-14. )	
<b>(2) Core Phase in Japan (June 4, 2012 to August 4, 2012)</b>		
<i>Participants will attend the Program implemented in Japan.</i>		
Expected Module Output	Subjects/Agendas	Methodology
<A> Disasters and their characters  To analyze the nature of disaster in home country and to understand the similarities and differences with Japan.	(1) Natural disasters in Japan  (2) Natural disasters and its analysis in each country	Lecture and Observation
<B> Disaster prevention systems and restoration system  To understand consider the application, introduction and improvement of disaster prevention systems and restoration systems	(1) Warning system / Hazard mapping  (2) Disaster mitigation and restoration system  (3) Disaster prevention policy  (4) Observation techniques	Lecture and Observation

<p>&lt;C&gt; Disaster Mitigation and Restoration</p> <p>To understand new confidence and capabilities for the application of special engineering methods for practical disaster prevention, mitigation and restoration</p> <p>***During the training, each participant will have opportunity to take 1 week intensive training course which focuses on either earthquake OR flood disasters. Each participant is required to choose which course to join before coming to Japan. Please see the last year's schedule on pp. of this G.I. and the Annex 2 (basic information matrix).</p>	<p>***Participants might choose following topics which are relevant in their home country***</p> <p>(1) River improvement (River &amp; 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 Observation</p>
<p>&lt;D&gt; Balance of utility and disaster</p> <p>To understand the relation and the balance between utility and disaster or between lifecycle cost and disaster in infrastructure development projects</p>	<p>(1) Regional disaster mitigation plan</p> <p>(2) Restoration plan for disaster prevention</p> <p>(3) Asset management</p>	<p>Lecture and Observation</p>
<p>&lt;E&gt; Dissemination Plan</p> <p>Plan to disseminate applicable techniques to the other engineers will be developed.</p>	<p>(1) Issue analysis workshop for planning</p> <p>(2) Formulation of dissemination plan</p> <p>(3) Presentation of dissemination plan</p>	<p>Workshop Consultation Presentation</p>

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**3) Finalization Phase in a participant's home country (August 6, 2012 – February 28, 2013)**  
*Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program. Please submit your final progress report by the end of January 2013.*

Expected Module Output	Activities
To implement the dissemination plan	Application and implementation of the dissemination plan back in the participant's country

**(4) Required Tasks**

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

In addition, they are also demanded to complete following three tasks during each phase of the course.

1) Job Report including Information Matrix: Introduction and raising the issues of your country. Submit with your application form. Participants have to make presentation about this report after coming to Japan. As for the details, please see the "ANNEX 1" section on pp.13-14.

2) Dissemination Plan: Participants are required to prepare and present their "dissemination" plan to summarize the results of whole training and disseminate them.

3) Progress Report: Report about the degree of attainment of the dissemination plan. Submit by the end of February 2013.

**(5) Follow-up Cooperation by JICA:**

JICA might extend follow-up support to participating organizations that intend to develop the result of the project further. Please note that the support shall be extended selectively based on proposals from the 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 use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section II-8.
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section II-8.

#### **2. Nominee Qualifications:**

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

##### **Essential Qualifications**

##### **(1) Educational Background:**

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

##### **(2) Experience in the relevant field:**

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

##### **(3) Age:**

Applicants are recommended between 30 to 45 years old.

##### **(4) English Language Qualification:**

Applicants should have a sufficient command of English which is equivalent of TOEFL CBT score 250 or more. This course will include many workshops, discussion and presentation sessions as well as

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preparation of your final report. They are held by English or Japanese with English interpretation. Therefore, applicants are required high competence of English ability.

(6) **Health:**

Applicants should be in good health, both physically and mentally, to participate in the Program in Japan.

**\*PREGNANCY:**

Pregnant participants are strictly requested to complete the required procedures before departure in order to minimize the risk for their health. The procedures include

- A) letter of the participant's consent to bear economic and physical risks
- B) letter of consent from the participant's supervisor
- C) letter of consent from your Embassy in Japan,
- D) medical certificate.

Please ask National Staffs in JICA office for the details.

**\*IMPORTANT REMARK FOR PARTICIPANTS WITH CHRONIC DISEASES:** Applicants who suffer from chronic diseases, such as respiratory illness, cardiac disease, metabolic disease (diabetes, etc.), renal dysfunction and immune insufficiency (systemic steroid administration, etc.), shall **NOT be accepted** in principle for their security reasons. Please note that it would be extremely difficult to purchase appropriate medicines for this type of diseases and that medical care covered by JICA insurance (indicated in IV. Administrative Arrangements) does **NOT cover the cost** for any treatment for pre-existing chronic diseases.

In case the applicant and his/her organization recognize strong necessity for sending applicant with chronic disease, JICA might consider it as an exceptional case under the conditions as below:

- A) Submission of "the letter of consent" from applicant and his/her organization;
  - (i) that they will bear all responsibilities and expenses for any risks and problems arising from his/her participation in the program and
  - (ii) that the participant in question will bring all necessary medicines.
- B) Submission of "medical doctor's diagnosis and recommendation".

Please ask national staffs at JICA office for the details.

(7) Applicants must NOT be serving any form of military services.

**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) Information Matrix** (including questionnaire about the selection of 1 week intensive training course. Which course do you want to choose either earthquake OR flood disasters?)

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**(3) Job Report Presentation**

Both of them should be submitted with the application form. As for the detail of these documents, please see below and page 13-14.

**4. Information Matrix & Job Report Presentation – Both of them should be submitted with the Application form**

Before coming to Japan, each applicant should prepare two materials; (i) information matrix to sum up current situations of natural disasters in his/her country, and (ii) presentation to introduce participants' own experience about their job. As for the detail of these tasks, please see the ANNEX 1. These documents are used not only for screening applicants but also as training materials.

After arriving in Japan, as mentioned above, participants will be required to make presentation on their job. The presentation should cover the following four topics...

- (a) The missions of participants' organization and their own duty
- (b) Natural disasters typically occur in participant's country, and that have occurred in recent years
- (c) Own experience(s) of natural disasters in participant's work
- (d) Issues of participant's organization and his/her own objectives to participate in this training

It would be desirable to make this presentation with Microsoft Power Point. Participants who will be bringing their presentation materials as electronic data would be advised to bring them in the form of DVD, CD or USB mass storage devices whenever possible. The Job Reports will serve as reference material for participant presentations and discussions during the course. Each participant will be asked to make a 15 minutes presentation.

## 5. Procedure for Application and Selection

### (1) Submitting the Application Documents:

Closing date for application to the JICA Center in JAPAN: **March 19, 2012**

**\*\*\*\*Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.**

### (2) Selection:

After receiving the document(s) through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to the JICA Center in charge in Japan, which organizes this project. Selection shall be made by the JICA Center in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. *The organization with intention to utilize the opportunity of this program will be highly valued in the selection.*

### (3) Notice of Acceptance:

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than March 23, 2012.**

## 6. Conditions for Attendance:

- (1) to observe the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) 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,
- (7) to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and

## IV. Administrative Arrangements

### 1. Organizer:

- (1) Name: JICA KANSAI (JICA OSAKA, up to March 2012)
- (2) Contact: [Oishi.Kensuke@jica.go.jp](mailto:Oishi.Kensuke@jica.go.jp) and [osicttp@jica.go.jp](mailto:osicttp@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: Term of Insurance is FROM arrival TO departure in Japan. The traveling time outside of Japan shall not be covered.

### 4. Accommodation in Japan:

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

JICA Kansai International Center (JICA Hyogo center, up to March 2012)  
 Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan  
 TEL: 81-78-261-0341 FAX: 81-78-261-0342  
 (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 (JICA HYOGO up to March, 2012) at its URL;  
<http://www.jica.go.jp/english/contact/domestic/>.

### 5. Expenses:

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

- (1) Allowances for accommodation, 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)
- (4) Expenses for program implementation, including materials  
For more details, please see p. 9-16 of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given to the selected participants before (or at the time of) the pre-departure orientation.

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**6. Pre-departure Orientation:**

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, 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 recommended to bring laptop computers for your convenience, if possible. 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 sixteen desk-top computers have the internet access.
4. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account in Japan after 2 to 5 days after your arrival to Japan. It is highly advised to bring some cash / traveler's check in order to spend necessary money for the first 2 to 5 days after your arrival.
5. It is very important that your currency must be exchanged to Japanese Yen at any transit airport or Kansai Airport soon after your arrival. It is quite difficult to exchange money after that, due to no facility or time during the training program.

## VI. ANNEX 1:

### NECESSARY CONTENTS OF THE INFORMATION MATRIX & JOB REPORT PRESENTATION

All applicants are required to prepare an information matrix and a job report presentation, and to submit them with application form.

#### < A > Basic Information Matrix

The information matrix aims to sum up basic information about disasters and share them with other participants and instructors. The matrix divides four parts. The first section is basic data of each country. The second section is main part of the matrix, and asking some data on disaster for public works. 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. Besides, finally, please answer the questionnaire about 1 week intensive course (either earthquake or flood) at fourth section.

#### < B > Job Report Presentation

##### (a) Style

- Presentation should be prepared by Microsoft® Power Point. (Please use version 2003 or 2007)
- Presentation should cover following four elements.
  1. The missions of participants' organization and their own duty
  2. Natural disasters typically occur in participant's country, and that have occurred in recent years
  3. Own experience(s) of natural disasters in participant's work
  4. Issues of participant's organization and his/her own objectives to participate in this training
- Please use some tables, figures and pictures to facilitate easier understanding of the participants and lecturers (e.g. pictures about situation of damage by disasters and so on).
- Desirable volume is about ten (10) to fifteen (15) slides. On the each slide, please indicate only main point (NOT long-winded sentences).

##### (b) Language

- English

##### (c) Submission

- by March 19, 2012

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- Above mentioned, presentation should be submitted with application form.
- When participants come to Japan, please bring their presentation data in USB flash memory.

(d) Presentation Date, Place and Time

- Job report presentation will be held on June 8, 2012 at a seminar room in the training institution.
- Each participant will have 20 minutes for a presentation.
  - 15 minutes for presentation
  - 5 minutes for Q&A session



## Basic Information Matrix

【1】基本情報 Basic Data	
1-0 氏名と国名 Your Name and Country	
1-1 人口 (百万人) Population (million)	
1-2 面積 (平方km) Surface Area sq. km	
1-3 一人当たりGDP GDP pp (USD)	
1-4 GDP成長率 Growth Rate	
【2】インフラ施設の自然災害に関する情報 Information on Disaster for Public Works	
2-1-1 主な地理・地質条件 Geographic & Geological conditions	
2-1-2 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
2-1-3-(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 Data (Please write "O" if the observation carries out, or "x" if not.)	雨量 Rainfall
	水位 Water Level
	潮位 Tide Level
2-1-3-(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 "O" if such relationship exists, or "x" if not)	

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<p>2-1-4 国全体でよく起きる自然災害 Please indicate some perennial disasters in your country</p>		
<p>2-1-5 上記2-1-4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 (2-1-4))</p>		
<p>2-1-6 上記2-1-5に対しての現行の対応策 Please indicate some countermeasures against disasters which mentioned the above question (2-1-5)</p>		
<p>2-1-7 上記2-1-6の行ううえでの課題 Please indicate some obstacles and problems to implement 2-1-6</p>		
<p>2-2-1 上記2-1-4及び2-1-5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 2-1-4 and 2-1-5 (Please write "O" if such law(s) and/or system(s) exist for the following infrastructure, or "x" if not)</p>	道路 Road	
	河川 River	
	港湾 Port	
	その他 others	
<p>2-2-2 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 "O" if such design basis exist, or "x" if not. Besides, if you choose "O", 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>2-3-1 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 "O" if such system(s) exist, or "x" if not)</p>		

【3】日本政府からの支援に関する情報  
Assistance by Government of Japan

3-1 当該分野のプログラム  
Related Program of this course

3-2 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

3-3 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

【4】アンケート：地震コースと災害コースの選択  
Questionnaire about the 1 week intensive course

G.1の5ページに記載がある通り、研修期間中には1週間の地震ないし水害の集中コースが設けられています。昨年の研修スケジュール表も参考にしながら、このうちのどちらのコースを選択するか記入してください。  
As can be seen on p.5 of G1, during the training, each participant will have opportunity to take 1 week intensive training course which focuses on either earthquake OR flood disasters. Each participant is required to choose which course to join, before coming to Japan. Please fill in the right side which you want to participate "earthquake" or "flood".

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## ANNEX 2:

The following is last year schedule for your reference only. (The schedule is subject to change)

Date	Time	Type	Subject	Lecturer or Organization		Place to visit
				Name	Position & Organization	
Jul. 4	MON		Arrival in Japan			
5	TUE	9:30-15:30	Briefing		JICE Briefing Unit	Seminar Room (1), 2nd Floor, JICA Osaka
		16:00	Flight Meeting	Ms. Ohsu		
6	WED		General Orientation			
		10:00-11:30	Japanese Education		JICE Briefing Unit	Seminar Room (1), 2nd Floor, JICA Osaka
		15:15-17:15	Japanese Society & People			
7	THU	10:30-12:30	Course Orientation	Mr. Oishi	JICA	Seminar Room (1), 2nd Floor, JICA Osaka
8	FRI	9:45-11:45	Japanese History & Culture		JICE Briefing Unit	Seminar Room (1), 2nd Floor, JICA Osaka
		14:15-15:15	Japanese Economy			
		15:30-17:00	Japanese Politics and Administration System			
9	SAT					
10	SUN					
11	MON	9:30-10:45	L Program Orientation by CSKR	Mr. Baba	Management Planning Div., Construction Services, Kinki Region (CSKR)	Meeting Room (1), 2nd Floor, JICA Osaka
		13:00-13:30	Courtesy call to Director General of KRDR, MLIT	Mr. Shuhei Kazusa	Director General KRDR (Kinki Regional Development Bureau), MLIT (Ministry of Land Infrastructure Transport & Tourism)	Kinki Regional Development Bureau, MLIT
12	TUE	9:30-16:30	D Job Report Presentation	Mr. Baba	CSKR	Seminar Room (1), 2nd Floor, JICA Osaka
13	WED	9:30-12:30	L Disasters in Japan and Disaster Management Approaches Implemented by MLIT	Mr. Nakamura	Planning Dept., KRDR, MLIT	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	L Recent Incidents of Natural Disaster in Kinki Region			
14	THU	9:30-12:30	L Disaster Restoration Works (Landslide)	Mr. Nakamura	Planning Dept., KRDR, MLIT	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	L Disaster Restoration Works (River, Sea Coast)			
15	FRI	9:30-12:30	L Disaster Restoration Works (Land, Bridge)	Mr. Tanaka	Planning Dept., KRDR, MLIT	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	L Current Status of Flood Control in Japan	Mr. Minamiguchi	River Dept., KRDR, MLIT	
16	SAT		N			
17	SUN		N			
18	MON		N Sea Day (national holiday)			
19	TUE	9:30-12:30	L Ground Reinforcement Technologies for Disaster Prevention & Mitigation	Assoc. Prof. Miyata	Dept. of Civil & Environmental Engineering, National Defense Academy	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	L Road Construction and Afforestation	Mr. Takano	RIPO International Association for Restoration of National Forest	
20	WED	9:30-12:30	L Soft Ground Improvement (Ground Strengthening & Measures against Liquefaction)	Mr. Hara	Japan Foundation Engineering Co. Ltd.	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	L Measuring Equipment for Disaster Monitoring	Mr. Okada	Takawa Corporation Ltd.	Seminar Room (1), 2nd Floor, JICA Osaka
21	THU	9:30-12:30	L Lookback: Reviews of Training	Mr. Baba	CSKR	Meeting Room (1), 2nd Floor, JICA Osaka
22	FRI	THU	Site Visit to Tadokoro	Mr. Baba	CSKR	
23	SAT		*			
24	SUN					

25	MON		L	Disaster Mitigation Measures for Rivers (Flood, Earthquake, Tsunami)	Lect. Oshiki	Nihon University Graduate School	Meeting Room (1), 2nd Floor, JICA Osaka
26	TUE		O	Road Improvement Work Site Visit (National Highway 483)	Mr. Sako	Toyouka River & National Highway Office, KRDB, MLIT	Toyouka River & National Highway Office, KRDB, MLIT
27	WED	9:30-12:30	L	Disaster Response by Meteorological Observatory	Mr. Kudo	Technical Dept., Osaka District Meteorological Observatory	Meeting Room (2), 2nd Floor, JICA Osaka
			14:30-16:00	O	Overview of Asian Disaster Reduction Center	Mr. Kozesawa	Asian Disaster Reduction Center
28	THU	9:30-12:00	L	Safety Measures for Traffic Disaster	Mr. Nonaka	Road Management Dept., KRDB, MLIT	Meeting Room (2), 2nd Floor, JICA Osaka
			14:00-16:00	O	Road Safety Improvement Project Site Visit		
29	FRI	9:30-12:00	L	Disaster Management and Maintenance of Expressways	Mr. Abe	Maintenance & Operation Dept., West Nippon Expressway Company Ltd.	Seminar Room (18), 2nd Floor, JICA Osaka
			14:30-16:30	O	Outline of Road Traffic Control Center	Mr. Shima	Maintenance & Operation Dept., West Nippon Expressway Company Ltd.
30	SAT		N				
			N				
31	SUN		N				

*Earthquake Course*

Aug. 1	MON	9:30-12:30	L	Earthquake Disaster Prevention, Mitigation and Restoration System for Lifeline	Prof. Nojima	Civil Engineering Dept., Gifu University	Meeting Room (1), 2nd Floor, JICA Osaka
2	TUE	9:30-12:00	L	Outline of Seismic Design (Case Study - Great Hanshin - Awaji Earthquake)	Assoc. Prof. Igarashi	Dept. of Urban Management, Graduate School of Engineering, Kyoto University	Meeting Room (1), 2nd Floor, JICA Osaka
		14:00-15:00	O	Osaka City Abeno Life Safety Learning Center	Mr. Baba	CSKR	Osaka City Abeno Life Safety Learning Center
3	WED	9:30-12:30	L	Great Hanshin-Awaji Earthquake Post-Disaster Reconstruction Plan	Mr. Fukuyasu	Reconstruction Planning Div., Management & Planning Bureau, Hyogo Prefectural Gov.	Meeting Room (1), 2nd Floor, JICA Osaka
			L	Urban Redevelopment Projects	Mr. Murai	Redevelopment Div., City Planning Bureau, Kobe City Gov.	
			L	Kobe City's Redevelopment & Land Readjustment Projects	Mr. Morosaki	Land Readjustment Div., City Planning Bureau, Kobe City Gov.	
4	THU	9:30-16:00	L	Hanshin Expressway Kobe Line Disaster Restoration Works	Mr. Uno	Technology Management Office, Hanshin Expressway Company Ltd.	Fukae Earthquake Museum
			O	Fukae Earthquake Museum	Mr. Nishizaka	Technology Management Office, Hanshin Expressway Company Ltd.	
5	FRI	10:00-12:00	L	Restoration of Quake Hit Kobe Port Facilities	Mr. Oyama	Technical Dept., Kobe Port Authority	Kobe City Hall
		13:15-16:00	L/O	Observation of Kobe Port	Ms. Nakagawa	Kobe Ports & Harbors Office, KRDB, MLIT	Kobe Ports & Harbors Office, KRDB, MLIT
6	SAT		N				
7	SUN		N				

*Flood Course*

Aug. 1	MON	9:30-12:30	L	Rivers of Japan	Mr. Yoshida	River Dept., KRDB, MLIT	Seminar Room (18), 2nd Floor, JICA Osaka
2	TUE	13:30-16:30	L	Water Quality Issues	Prof. Tsuno	Graduate School of Engineering, Kyoto University	
		10:00-12:00	L	Yodo River Improvement Project	Mr. Hashimoto	Yodo River Office, KRDB, MLIT	Yodo River Office, KRDB, MLIT
3	WED	12:30-16:00	O	Site Observation including Roma Pumping Station & Mouth of Yodo River			Roma Pumping Station, Mouth of Yodo River in Osaka Pref.
		13:30-15:00	L	River Improvement & Disaster Management Project Utilizing Nature	Mr. Fukukane	Nishimori Institute of Technology	Seminar Room (18), 2nd Floor, JICA Osaka
		14:00-16:30	L/O	Integrated Management of Yodo River	Mr. Shika	Yodo River Dams Control Center, KRDB, MLIT	Yodo River Dams Control Center, Amagase Dam, Hyogo Pref. Station (Hirakata City, Osaka Pref.)
4	THU	10:30-12:00	L	Flood Control Plan of Osaka Prefecture			Osaka Prefecture Gov., Chuo Ward, Osaka City
		14:30-17:00	O	Site Visit including Tsunami Storm Surge Disaster Prevention Station & Kurimachi River Floodgate	Mr. Yamauchi	River Office, Public Works Dept., Osaka Pref. Gov.	Tsunami Storm Surge Disaster Prevention Station, Kurimachi River Floodgate
5	FRI	10:30-12:00	L	Comprehensive Flood Control Measures Implemented by Inagawa River Office	Mr. Ayaki	Inagawa River Office, KRDB, MLIT	Inagawa River Office, KRDB, MLIT
		13:00-15:00	O	Site Visit to Comprehensive Flood Control Facilities			Comprehensive Flood Control Facilities
6	SAT		N				
7	SUN		N				

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8	MON	9:30-16:30	L	Sabo Projects in Japan	Prof. Mizuyama	Div. of Forest and Biomaterials Science, Graduate School of Agriculture, Kyoto University	Meeting Room (1), 2nd Floor, JICA Osaka
9	TUE	10:00-12:00	L	Outline of Rokko Sabo Project	Mr. Iwai	Rokko Sabo Office	Rokko Sabo Office
		12:45-16:00	O	Rokko Sabo Site Visit			Rokko Sabo Site
10	WED	10:00-12:00	L	Lake Biwa River Project	Mr. Matsuda	Biwa Lake River Office, KRDB, MLIT	Biwa Lake Construction Work Office, Otsu City, Shiga Pref.
		13:00-17:00	O	Sabo Project Site at Tanokami Hills/ Biwa Lake Museum			Biwa Lake Museum (Yusatsu City, Shiga Pref.)
11	THU	10:00-11:30	O	Kamemoto's Landslide Prevention Project Site	Mr. Fujimoto	Deputy Director General, Yamato River Works Office, KRDB, MLIT	Yamato River Works Office (Kashihara City, Osaka Pref.)
		11:30-15:00	O				Kamemoto Landslide Project Site
12	FRI	9:30-12:30	L	Infrastructure Project and International Assistance Scheme	Prof. Tanimoto	Faculty of Human & Social Studies, Keio University	Meeting Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	P	Lookback Review of Training/Developing Dissemination Plan	Mr. Baba	CSRR	
13	SAT						
14	SUN						
15	MON	9:30-12:30	L	Information and Telecommunication at a Time of Disaster (Hardware Application)	Mr. Katano	Planning Div., KRDB, MLIT	Meeting Room (1), 2nd Floor, JICA Osaka
		14:30-15:30	O	Road Disaster Site Visit	Mr. Sakuta	Takarazuka Civil Engineering Office, Hyogo Prefecture	Takarazuka Civil Engineering Office, Hyogo Prefecture
16	TUE	9:00-17:30	L	Development of Hazard Map	Mr. Ogawa	BOSM International	Seminar Room (1&2), 2nd Floor, JICA Hyogo
17	WED	AM	O	Study Trip (Ibaraki → Takamatsu → Hiroshima)			
		PM	O	Akashi Kaikyō Bridge	Mr. Nishitani	Planning Div., Honshu-Shikoku Bridge Expressway Co., Ltd.	Akashi Kaikyō Bridge
18	THU		O	Disaster Control Facility for Road (Move to Hiroshima)	Mr. Baba	CSRR	
19	FRI	AM	O	Disaster Hit Site Visit	Mr. Kanbara	Engineering Dept., Hiroshima Prefecture	Disaster Sites in & around Hiroshima City
		PM	O	Peace Memorial Park, Peace Memorial Museum (Back to Ibaraki)			
20	SAT						
21	SUN						
22	MON	9:30-16:30	L	Disaster Prevention and Mitigation System (Tsunami Disasters)	Prof. Kawata	Faculty of Safety Science, Kansai University	Meeting Room (1), 2nd Floor, JICA Osaka
23	TUE	AM		Study Trip (Fujinomiya → Ishikawa)			
		13:00-15:00	L	Outline of Fuji Sabo Office	Mr. Kiryo	Fuji Sabo Office, Chubu Regional Development Bureau, MLIT	Fuji Sabo Office, Chubu Regional Development Bureau, MLIT
24	WED	10:30-12:00	O	Fuji Sabo Project Site Visit	Mr. Kiryo	Fuji Sabo Office, Chubu Regional Development Bureau, MLIT	Disaster Restoration Sites in & around Fujinomiya City
		PM		Move to Kanazawa			
25	THU	10:30-11:30	L	Outline of Kanazawa Office, River & National Highway	Mr. Mangyo	Kanazawa Office, River & National Highway, Hokuriku Regional Development Bureau, MLIT	Kanazawa Office, River & National Highway, Hokuriku Regional Development Bureau, Kanazawa City
		12:00-15:00	O	Mitigation Project of Seashore Erosion along Ishikawa Coast (Back to Ibaraki)			Coastal Area of Ishikawa Prefecture
26	FRI	9:30-12:30	L	D.I.C (Disaster Imagination Game) Disaster Drill	Mr. Mori	Urban Disaster Research Institute	Seminar Room (1), 2nd Floor, JICA Osaka
		13:30-16:30	P	Dissemination Plan Preparation	Mr. Baba	CSRR	
27	SAT		N				
28	SUN		N				
29	MON		P	Dissemination Plan Preparation	Lecturers		Meeting Room 1, 2nd Floor, JICA Osaka
30	TUE		P	Dissemination Plan Preparation	Lecturers		
31	WED		P	Dissemination Plan Preparation	Lecturers		Meeting Room 2, 2nd Floor, JICA Osaka
Sep. 1	THU	9:30-16:30	P	Dissemination Plan Presentation	Mr. Ishio	CSRR	Seminar Room (1) 2nd Floor, JICA Osaka
				Evaluation Meeting	Mr. Oishi	JICA Osaka	
2	FRI			Closing Ceremony	Mr. Oishi	JICA Osaka	
3	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, training programs, JOCV programs, etc.

Within this wide range of programs, Training 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.

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**CORRESPONDENCE**

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