

No.12040/16/2013-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 8<sup>th</sup> April, 2013

### **TRAINING CIRCULAR**

Subject: **Group Training Course on Disaster Prevention of Buildings (against earthquake, Tsunami, Fire etc.) from June to November, 2013 (Core Phase to be held in Japan from 7<sup>th</sup> July, 2013 to 10<sup>th</sup> August, 2013.**

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 in Japan from 7<sup>th</sup> July, 2012 to 10<sup>th</sup> August, 2013.

2 The programme aims to improve building codes, building regulatory systems, and disaster prevention policies in the field of buildings based on Japanese experiences. This programme is offered to officers responsible for improvement of building codes and regulatory systems and disaster prevention policies in the field of buildings.

3 The candidate should be in the government office or related government organization currently in charge of establishment of building standards/improvement, application of regulatory systems and disaster prevention policies in the field of buildings, and also expected to assume a leading position in the organization; having more than 5 (five) years occupational experience with the general knowledge in the field of building or architectural engineering such as building administration, architectural designing and structural engineering; be university graduates or equivalents; not be serving in the military; be under the age of 50 years; having a high level of English ability which is equal to TOFEL; be in good health, both physically and mentally, to participate in the program in Japan.

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/J&K?
- e) A brief in 50-100 words justifying the nomination.

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.

...2/-

6. It is requested that the nomination of 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 **1<sup>st</sup> May, 2013**. 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**).



(N.K. Wadhwa)

Under Secretary to the Government of India

Tele.No.011-26165682

E-mail-ID naresh.wadhwa@nic.in

Copy to:

1. The Secretary, Ministry of Home Affairs, North Block, New Delhi.
2. The Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi
3. All State Governments/Union Territories.  
(with the request to circulate it amongst the related organizations)
4. NIC with the request to post the circular along with the JICA's circular and the enclosed application Proforma on the Department's website.



No.18/GT-CP/2013

March 04, 2013

Mr. N.K. Wadhwa  
Under Secretary (Training)  
Department of Personnel and Training  
Training Division  
Block No. 4  
Old JNU Campus  
New Mehrauli Road  
New Delhi

①

S.No. 1 (R)

**Subject: Group Training Course in Disaster Prevention of Buildings (against Earthquake, Tsunami, Fire, etc.)**

Dear Mr. N. K. Wadhwa,

We would like to inform you that the captioned Group Training Course will be held in Japan from July 7, 2013 to August 10, 2013 under the Technical Cooperation Programme of the Government of Japan.

We are forwarding herewith two copies of the General Information Booklet on the above offer. It is requested that the following documents of the selected candidate may please be submitted to this office by **May 07, 2013**:-

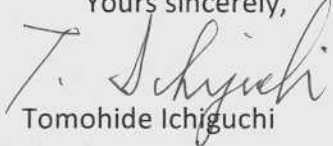
- (1) The Application Form together with the medical history questionnaire

Further details are available in the General Information Booklet. It may be noted that the completed Application Form together with medical history is essential for screening of application.

It is further informed that 12 slots are available globally for the above course and it would be much appreciated if you could take further necessary action and submit the nomination(s) of suitable candidate(s) to this office by the designated date.

With regards,

Yours sincerely,

  
Tomohide Ichiguchi  
Senior Representative

Encl: As stated above.

6/3  
Sd/-  
Smt. Anuradha

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# TRAINING AND DIALOGUE PROGRAMS

## GENERAL INFORMATION ON

### *Disaster Prevention of Buildings*

*(against Earthquake, Tsunami, Fire, etc.)*

**集団研修「建築防災(地震、津波、火災等に対して)」**

**JFY 2013**

<Type: Solution Creation / 類型: 課題解決促進型>

NO. J1300623 / ID 1380278

From June to November, 2013

Phase in Japan: From July 7, 2013 to August 10, 2013

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.

# I. Concept

## Background

Extremely large disasters of earthquake and tsunami happened in the world, causing a lot of casualties (death and missing). Large disasters from the year of 2000 are as follows:

- India: Bhuj Earthquake (Gujarat) in 2001                      20,023    persons;
- Indian Ocean Tsunami in 2004                                      226,408   persons;
- Pakistan: Kashmir Earthquake in 2005                          73,328    persons;
- China: Sichuan (Wenchuan) Earthquake in 2008              73,328    persons;
- Haiti Earthquake in 2010    226,408   persons; and
- Japan: Great East Japan Earthquake in 2011                  19,295    persons.

On the other hand, after large buildings became popular in the world, there were large fire incidents (conflagrations) in these buildings, also causing a lot of casualties.

In case where an earthquake, tsunami or fire happens, safer buildings protect people, while disorderly constructed buildings kill people. Such unsafe buildings may result from a lack of systems, such as:

- Sufficient building codes;
- Efficient regulatory systems, such as permission/inspection systems;
- Adequate building construction system by architects, engineers and contractors; and
- Disaster mitigation policies.

Safer buildings can be constructed through these appropriate systems. And they will contribute a lot to disaster mitigation.

## For what?

This program aims to improve building codes, building regulatory systems, and disaster prevention policies in the field of buildings based on the Japanese experiences.

## For whom?

This program is offered to staff of governments or governmental organizations responsible for improvement of building codes and regulatory systems, and disaster prevention policies in the field of buildings.

## How?

This course introduces experiences on improvement of building codes and regulatory systems, and disaster prevention policies in the field of buildings in Japan through lectures, visits, discussions. Participants will also formulate an action plan describing what the participant will do after they go back to home country putting the knowledge and ideas acquired and discussed in Japan among others. These activities give participants tips of solution of the issues in developing countries.

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## **II. Description**

1. **Title (J-No.):** Disaster Prevention of Buildings (against Earthquake, Tsunami, Fire, etc.) (J1300623)
2. **Period of program**
  - Duration of whole program:** June 2013 to November 2013
  - Preliminary Phase:** June 2013 to July 2013  
(In the participants' home country)
  - Core Phase in Japan:** July 7, 2013 to August 10, 2013
  - Finalization Phase:** August 2013 to November 2013  
(In the participants' home country)
3. **Target Regions or Countries:**  
Philippines, Thailand, Mongolia, Bangladesh, India, Tonga, El Salvador, Haiti, Turkey, Algeria, Azerbaijan, Sri Lanka
4. **Eligible / Target Organization:**  
Government or related governmental organizations responsible for improvement of building codes and regulatory systems, and disaster prevention policies in the field of buildings.
5. **Total Number of Participants:**  
12
6. **Language to be used in this program:**  
English
7. **Overall Goal:**  
Building codes and regulatory systems are formulated from the standpoint of disaster prevention, and disaster-proof buildings are improved in the developing countries.
8. **Program Objective:**  
Building codes and regulatory systems are improved to expand the disaster-proof buildings in the participants' country.
9. **Expected Output:**
  - 1) To understand the outline of Japanese building codes and regulatory systems especially in the field of earthquake resistance and fire prevention, and to understand the Japanese disaster prevention policies of buildings.
  - 2) To identify the problems to be solved in the participants' country and to

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examine the applicability of Japanese system to each country.

- 3) To make proposals to improve the building codes and regulatory systems necessary to expand the disaster-proof buildings in the participants' country.

**10. Contents:**

This program consists of the following components.

**10-1 Preliminary Phase in a participant's home country  
(June 2013 to July 2013)**

Formulation of Inception Report and submission to JICA Tokyo. The contents of Inception Reports is mentioned in Section V.

**10-2 Core Phase in Japan  
(July 7, 2013 to August 10, 2013)**

The course covers the following subjects in the forms of lecture, observation, workshop, presentation and discussion. There may be minor changes in some subjects.

All participants are required to make Action Plan at the end of Core Phase in Japan on Improvement of the building codes and regulatory systems necessary to expand the disaster-proof buildings in the participants' country.

Modules	Subject
(1) Presentation of Inception Report	- Presentation of Inception Report by participants, and discussion
(2) Basic Information	- Building and housing situation in Japan - Building regulation in Japan - Mechanism and characteristics of disasters, such as earthquake and tsunami
(3) Structural Safety	- Building methods from the viewpoint of structural safety - Seismic Codes of buildings - Building Codes on Japanese conventional wooden houses
(4) Fire Safety	- Fire resistance - Fire evacuation - Fire defense

(5) Lessons from the disasters and disaster mitigation policies	<ul style="list-style-type: none"> <li>- The Great Hanshin-Awaji Earthquake and restoration</li> <li>- The Great East Japan Earthquake and restoration</li> <li>- Earthquake disaster countermeasures</li> <li>- Seismic retrofitting of buildings</li> <li>- Countermeasures to reduce earthquake damages of buildings in developing countries</li> <li>- Improvement projects of densely-built-up areas</li> </ul>
(6) Sustainability	<ul style="list-style-type: none"> <li>- Energy conservation policies</li> <li>- Sustainable building technology</li> </ul>
(7) Operation on Building Control	<ul style="list-style-type: none"> <li>- Administration of local governments</li> <li>- Operations of bodies related to building control</li> <li>- Inspection on building construction</li> </ul>
(8) International Cooperation	<ul style="list-style-type: none"> <li>- Activities of UNCRD (United Nations Center for Regional Development) and ADRC (Asian Disaster Reduction Center)</li> </ul>
(9) Formulation of Action Plan	<ul style="list-style-type: none"> <li>- Midterm presentation of Action Plan by participants, and consultation</li> <li>- Final presentation of Action Plan by participants</li> </ul>

**10-3 Finalization Phase in a participant's home country  
(August 2013 to November 2013)**

To discuss Action Plan with the head of the department / division and formulate and submit the Final Report to JICA within three months after the end of the program in Japan by the participating organization.

### ***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



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activities of the Preliminary Phase described in section II, 10-1.

- (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, 10-3.

## 2. Nominee Qualifications:

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

- (1) **Current Duties:** be officials in the government office or related governmental organizations currently in charge of establishment of building standards/improvement, application of regulatory systems and disaster prevention policies in the field of buildings, and also expected to assume a leading position in those organizations.
- (2) **Occupational experience:** more than five (5) years and with the general knowledge in the field of building or architectural engineering such as building administration, architectural designing and structural engineering
- (3) **Educational Background:** be university graduates or equivalents
- (4) **Age:** be or under fifty (50) years of age
- (5) **Language:** have a high level of English ability which is equal to TOEFL CBT 250 or more. Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible)
- (6) **Health:** be both physically and mentally fit for the training.
- (7) not be serving any form of military service.

*Note: The priority level of the selection might be lower to the person who participated in the JICA training course in the past.*

## 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.

### \*Pregnancy

Pregnant participants are strictly requested to attach the following documents in order to minimize the risk for their health.

- 1) letter of the participant's consent to bear economic and physical risks
- 2) letter of consent from the participant's supervisor
- 3) doctor's letter with agreement of her training participation.

Please ask National Staffs in JICA office for the details.

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- (2) **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. Procedure for Application and Selection:**

**(1) Submitting the Application Documents:**

Closing date for application to the JICA Tokyo International Center in JAPAN, which organizes this program: **May 7, 2013**

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 deadline 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 Tokyo International Center. Selection shall be made by the JICA Tokyo International 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 June 7, 2013.**

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

**Inception Report -- to be submitted by July 3, 2013 :**

Before coming to Japan, only accepted participants are required to prepare an Inception Report. The contents of Inception Report are mentioned in Section V. The Report should be sent to JICA Tokyo by July 3 2013, preferably by e-mail to [ticttee@jica.go.jp](mailto:ticttee@jica.go.jp).

**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

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- 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
  - (8) to participate the whole program including a preparatory phase prior to the program in Japan.

## IV. Administrative Arrangements

### 1. Organizer: JICA Tokyo International Center (JICA TOKYO)

### 2. Implementing Partner:

Housing Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan (MLIT)

### 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: From arrival to departure in Japan.

\*the traveling time outside Japan shall not be covered.

### 4. Accommodation in Japan

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

JICA Tokyo International Center (JICA TOKYO)

Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan

TEL: 81-3-3485-7051 FAX: 81-3-3485-7904

(where "81" is the country code for Japan, and "3" is the local area code)

If there is no vacancy at JICA TOKYO, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL:

<http://www.jica.go.jp/english/contact/domestic/pdf/welcome.pdf>

### 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

(5) For more details, please see 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.

### 6. Pre-departure Orientation

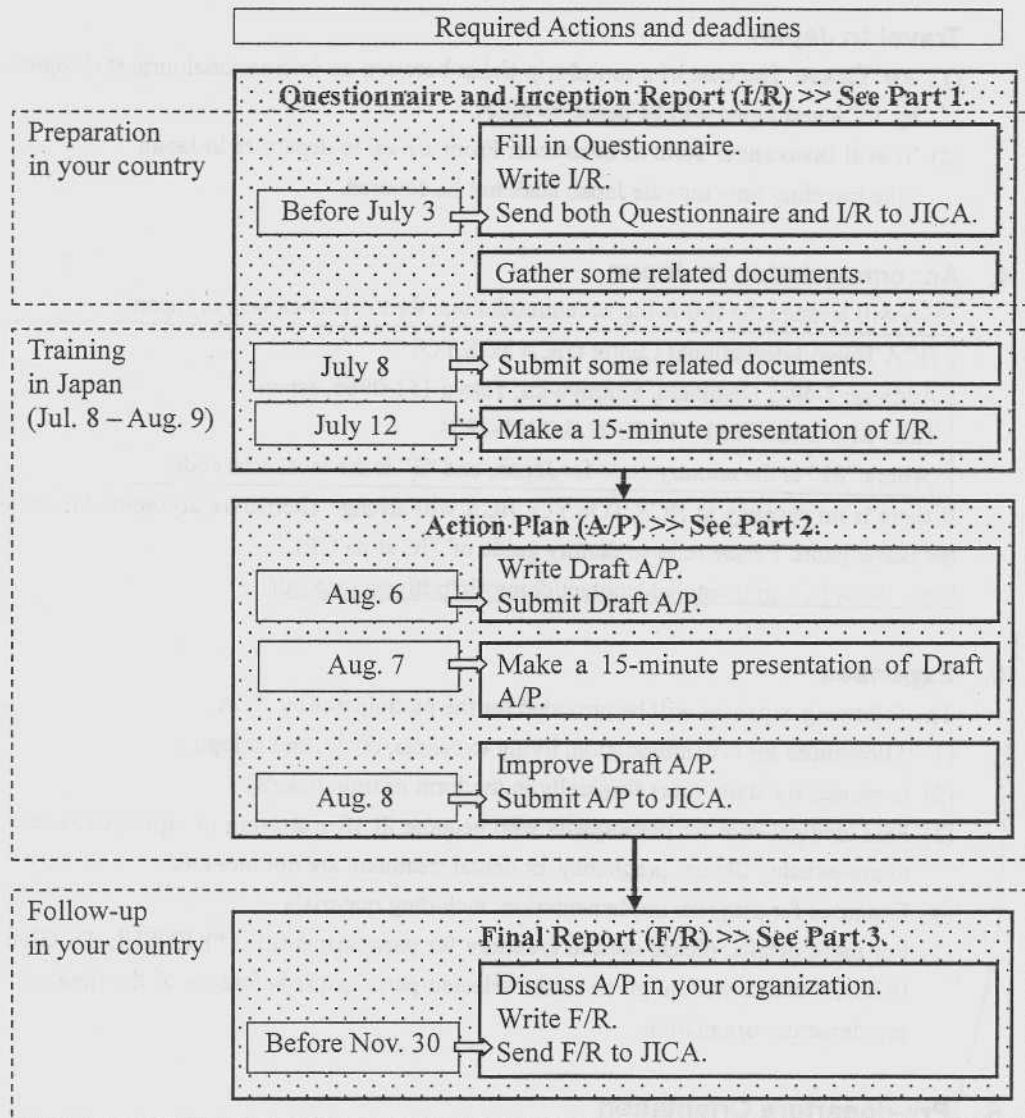
A pre-departure orientation will be held at the respective countries' JICA offices (or Embassies of Japan), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

## V. Guidance for Reports and Presentation

All participants are required to submit short reports, etc.  
 Required actions and deadlines are shown in the figure below.

### <Contact point>

If you have questions, please contact JICA Tokyo e-mail address. <ticttee@jica.go.jp>



The above dates may be subject to changes.

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**Part 1** Guideline for Questionnaire, Some Related Documents, and Inception Report

**<Purpose>**

The purpose of the Questionnaire and Inception Report is to share information about the building control situation in your country with other participating members and lecturers.

**<Process>**

Please;

- (1) Fill in **Questionnaire (Attachment)**.
- (2) Write **Inception Report** according to the format as shown below.
- (3) Gather **related documents** stated in Q2 and Q3 of Questionnaire.  
(The Act and mandatory technical requirements in your country)
- (4) Make a **presentation** of your Inception Report on July 12, 2013. Each participant has 25 minutes (a 15-minute presentation and a 10-minute Q&A session).

Both (1) and (2) above must be submitted by July 3, 2013 to the e-mail address [ticttee@jica.go.jp](mailto:ticttee@jica.go.jp) with the title of **“Disaster Prevention of Buildings (J1300623)”** before participating in the program.

Documents of (3) should be submitted to JICA on July 8, 2013 in Tokyo.

**Format of Inception Report**

Remarks:

- (1) Please write Inception Report with Microsoft Power Point if possible.
- (2) Inception Report should include information provided in this format.
- (3) It is recommended that you include charts, graphs, and/or pictures if they help make the situation of your country clearer to other participants.

Name of the Participant:
Country:
Organization:
Position:
Responsibility:

**1. Outline of the buildings in the country**

- (1) Popular construction methods for **houses of low-income and middle-income people**
- (2) Popular construction methods for **buildings** in the 4-6 story range
- (3) Popular construction methods for **buildings** of 20 stories and over
- (4) Other characteristics

**2. Outline of risks of earthquake, tsunami, etc.**

- (1) Possible risks and prioritization among them
- (2) The most heavy damage and recent damages in your country
- (3) Future risks
- \* Please attach hazard map if available.

**3. Outline of current building control situation and/or disaster mitigation measures**

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**Part 2**      **Guideline for Action Plan**

**<Purpose>**

The purpose of Action Plan is to make a project proposal to your organization that reflects the knowledge and methods you have acquired from this training course.

**<Required actions>**

Please;

- (1) Consider the theme of your Action Plan. Examples of the theme are as follows;
  - (Example 1) Strengthening the existing disaster mitigation measures
  - (Example 2) Establishment of building regulatory system and building codes
  - (Example 3) Strengthening the existing building regulatory system
  - (Example 4) Addition of a fire code to the existing building codes
  - (Example 5) Addition of a seismic code to the existing building code
  - (Example 6) Others (Your original theme is also welcome.)
- (2) Write Draft Action Plan according to the format as shown below.
- (3) Make a presentation of your Draft Action Plan on August 7, 2013. Each participant has 25 minutes (a 15-minute presentation and a 10-minute Q&A session).
- (4) Improve your Draft Action Plan. Then, submit Action Plan to JICA by August 8, 2013.

**Format of Action Plan**

Remarks:

- (1) Please write Action Plan with Microsoft Power Point if possible.
- (2) Action Plan should include information provided in this format.
- (3) The theme of your Action Plan must be clear and realistic.
- (4) The knowledge obtained through the course is to be taken up in Action Plan.

Name of the Participant:
Country:
Organization:
Position:
Responsibility:

**Title of the Action Plan:** \_\_\_\_\_

**1. Issues**

- \* Please describe:
  - (1) Introduction (Background)
  - (2) Situations of issues and problems to be solved

**2. Implementation program**

- \* Please describe:
  - (1) Objectives/Goals
  - (2) Implementation bodies
  - (3) Activities of each implementation body
  - (4) Expected output
  - (5) Work schedule

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### **Part 3**      **Guideline for Final Report**

#### **<Purpose>**

Final Report is to inform JICA Tokyo of the progress of the Action Plan.

#### **<Process>**

Please;

- (1) Share Action Plan in your organization and discuss it towards the realization of Action Plan and its implementation.
- (2) Improve Action Plan if necessary.
- (3) Write Final Report in the following manner:
  - (a) The Final Report should include information as follows;
    - How did you report your Action Plan to your supervisor in your organization?
    - What were his/her reaction?
    - How was your Action Plan handled afterwards?
    - Did you change anything after attending the course in Japan?
  - (b) The Final Report should be no more than 10 pages, on A4 size paper.
  - (c) If Action Plan is improved through the discussion in your organization, the improved Action Plan should be attached to Final Report.
- (4) Submit Final Report by November 30, 2013 to the JICA Tokyo e-mail address.  
<tictee@jica.go.jp>



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Attachment

Questionnaire

Name of the Participant:
Country:

Q1 When someone intends to construct a building in your country, does he/she have to go through official procedures, such as building permission? Please put Yes or No into the boxes in the table below.

	Location	Urban areas	Rural areas
Size			
	Buildings		
	Ordinary small houses		

\*If all answers are No, skip to Q6.

Q2 Please write the name of the Act, which provides official procedures above.  
[ ]

The act is available at [ website, bookshops, government offices, others( ) ]

Please submit a copy of the Act to JICA on July 8, 2013. English documents are welcome if available.

Q3 What fields does the mandatory technical requirements, which are applied to buildings, cover?

\* Two or more checks are acceptable.

Fields		Y (Yes) or N (No)
Building Codes	Structural stability	dead loads and live loads
		earthquakes
		heavy winds
	Fire safety	Fire resistance
		Escape
		Firefighting equipment
	Barrier free / universal design	
Elevators / escalators		
Zoning Codes	Building use	
	Building height	
	Floor area ratio	
	Building coverage ratio	
	Setback from the street boundary	

Please submit a copy of the Building Codes and Zoning Codes to JICA on July 8, 2013. English documents are welcome if available. The list of them is also acceptable if they have a big volume.

Q4 What organization mainly issues the building codes?

- ( ) Central Government
- ( ) Local authorities, such as municipalities
- ( ) Others \* Please explain below about the authorities that issue

[ ]

The codes are available at [ website, bookshops, government offices, others( ) ]

Q5 Please answer the following questions regarding a **building regulatory system (administration system)** in the region in which your office is located.

Q5-1 Which authorities are in charge of permission/approval/inspection of each building?

\* Two or more checks are acceptable.

- ( ) Central Government, including its branch offices
- ( ) Local authorities, such as municipalities
- ( ) Organizations which are authorized by Central Government or by local authorities
- ( ) Others \* Please explain below about the authorities that issue permission/approval.

[ ]

Q5-2 Is it required to receive inspection by the public authority **in the term under construction**?

- ( ) No, inspection by the public authority is not required in the term under construction.
- ( ) Yes, inspection by the public authority is required in the term under construction.

\*Please explain below about the buildings to which it is applied.  
[ ]

Q5-3 Is it required to receive inspection by the public authority **after construction work**?

- ( ) No, inspection by the public authority is not required after construction work. \* If the answer is No, skip to Q6.
- ( ) Yes, inspection by the public authority is required after construction work.

\* Please explain below about the buildings to which it is required.  
[ ]

Q5-4 Is it prohibited to use the building before receiving a certificate of final inspection mentioned in Q5-3?

- ( ) No, it is allowed to use the building before receiving a certificate.
- ( ) Yes, it is prohibited.

\* Please explain below about the buildings, which cannot be used before issue of a certificate of final inspection.  
[ ]

Q6 Please answer the following questions regarding **licensing system for architects and building engineers.**

Q6-1 Does your country have licensing system for architects and building engineers?

- ( ) Both licensing systems for **architects** and **building engineers**

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- ( ) Licensing system for architects only
- ( ) Licensing system for building engineers only
- ( ) No license system for **architects** nor **building engineers**  
\* No need to answer Q6-2.
- ( ) Others \* Please explain below about the licensing system.  
[ ]

Q6-2 Is it required for buildings **to be designed or checked** by a qualified architect and/or a building engineer? And by whom must the design or check be done?

- ( ) No, it is not required for buildings to be designed or checked by a qualified architect and/or building engineer.
- ( ) Yes. it is required for buildings to be designed or checked by both a qualified architect and building engineer.
- ( ) Yes. it is required for buildings to be designed or checked by a qualified architect only.
- ( ) Yes. it is required for buildings to be designed or checked by a qualified building engineer only.
- ( ) Others \* Please explain below about the system.  
[ ]

## *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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