



Ministerio de  
Relaciones Exteriores,  
Comercio Internacional y Culto  
República Argentina

Dirección General de Cooperación Internacional  
Secretaría de Coordinación y Cooperación Internacional

La Oficina de Becas Internacionales de la Dirección General de Cooperación Internacional, pone en su conocimiento que en el marco del Programa de Capacitación y Diálogo, la Agencia de Cooperación Técnica de Japón (JICA) ofrece el curso "**Irrigation and drainage through integrated water management**" a realizarse del 12 de febrero al 25 de agosto de 2012, en la ciudad de Tsukuba, Japón.

Los interesados deberán presentar para su postulación en esta DGCIN antes del 7 de diciembre próximo: CV, analítico, certificado médico, además del formulario.



# TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON  
THE GROUP TRAINING COURSE

Irrigation and Drainage through Integrated Water Management

**集団研修「流域水管理に基づくかんがい排水」**

***JFY 2011***

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

**NO. J1100710/ ID. 1180923**

**From December 2011 to September 2012**

**Core Phase in Japan: From February. 12, 2012 to August. 25, 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.

# **I. Concept**

## **Background**

The Japanese Government extends official development assistance (ODA) to developing countries to support self-help efforts that will lead to economic progress and a better life for the citizens of those countries. Since its foundation in 1974, the Japan International Cooperation Agency (JICA) has implemented Japan's technical cooperation under the ODA program. Currently, JICA conducts such activities as training, dispatch of experts, provision of equipment, project-type technical cooperation, development study, dispatch of cooperation volunteers (JOCV), survey and administration of capital grant aid programs.

The training program for overseas participants is one of JICA's fundamental technical cooperation activities for developing countries. Many participants come from various countries to obtain knowledge and technology in a wide variety of fields, and return back to their respective countries with understanding of people from different countries other than knowledge and technology. It is expected that ex-participants contribute development processes of their respective countries, by their own selves, depend on their own vision, over border of countries.

As commonly known, effects of Global Warming tends to increase climate fluctuation which appear frequent floods and draughts on rivers. This fluctuation can be cause of conflicts among countries connected with International River, and make difficult OMM of Irrigation and Drainage Scheme. To avoid influences of this fluctuation, some Integrated Water Management measures to increase tolerance for heavy rain should be introduced into catchment area. On the other hand, Irrigation and Drainage Scheme is part of catchment area for downstream area. So it can be said that knowledge of Integrated Water Management is entity for Irrigation and Drainage engineers.

## **For what?**

This program aims to contribute to the human resources development of participants' organization through the Extension Seminar designed and held by each participant.

## **For whom?**

Understanding the above, estimated participants for this training course, Irrigation and Drainage through Integrated Water Management, is young engineers engaging Irrigation and Drainage field and expected to continue in future, who agree to acquire knowledge and technology about Integrated Water Management, Irrigation and Drainage for enhance through Extension Seminar after the training course.

## **How?**

Through the extension seminar, held by each participant depend on Inception Report, participant's description of facing difficulty, knowledge and technology acquired through the training course. For implementation of the Extension Seminar, Participants can receive adequate assist for both of planning and contents.

## II. Description

**1. Title (J-No.): Irrigation and Drainage through Integrated Water Management (J-1100710)**

**2. Period of program**

<b>Duration of whole program:</b>	December 2011 to September 2012
<b>Preliminary Phase:</b> (in a participant's home country)	December 2011 to January 2012
<b>Core Phase in Japan:</b>	February 12, 2012 to August 25, 2012
<b>Finalization Phase:</b> (in a participant's home country)	August 26, 2012 to September 30, 2012

**3. Target Regions or Countries**

Cambodia, Argentina, Afghanistan, Egypt, Ethiopia, Malawi, Tanzania, Central African and Armenia

**4. Eligible / Target Organization**

Central/Local government or equivalent affiliated organization responsible for irrigation and drainage projects

**5. Total Number of Participants**

10 participants

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

**7. Program Objective:**

Extension seminars about knowledge and technology of irrigation and drainage are held by participants in their belonging organizations.

**8. Overall Goal**

Irrigation and drainage projects based on proper knowledge and technology are conducted in responsible areas of participants' belonging organizations.

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

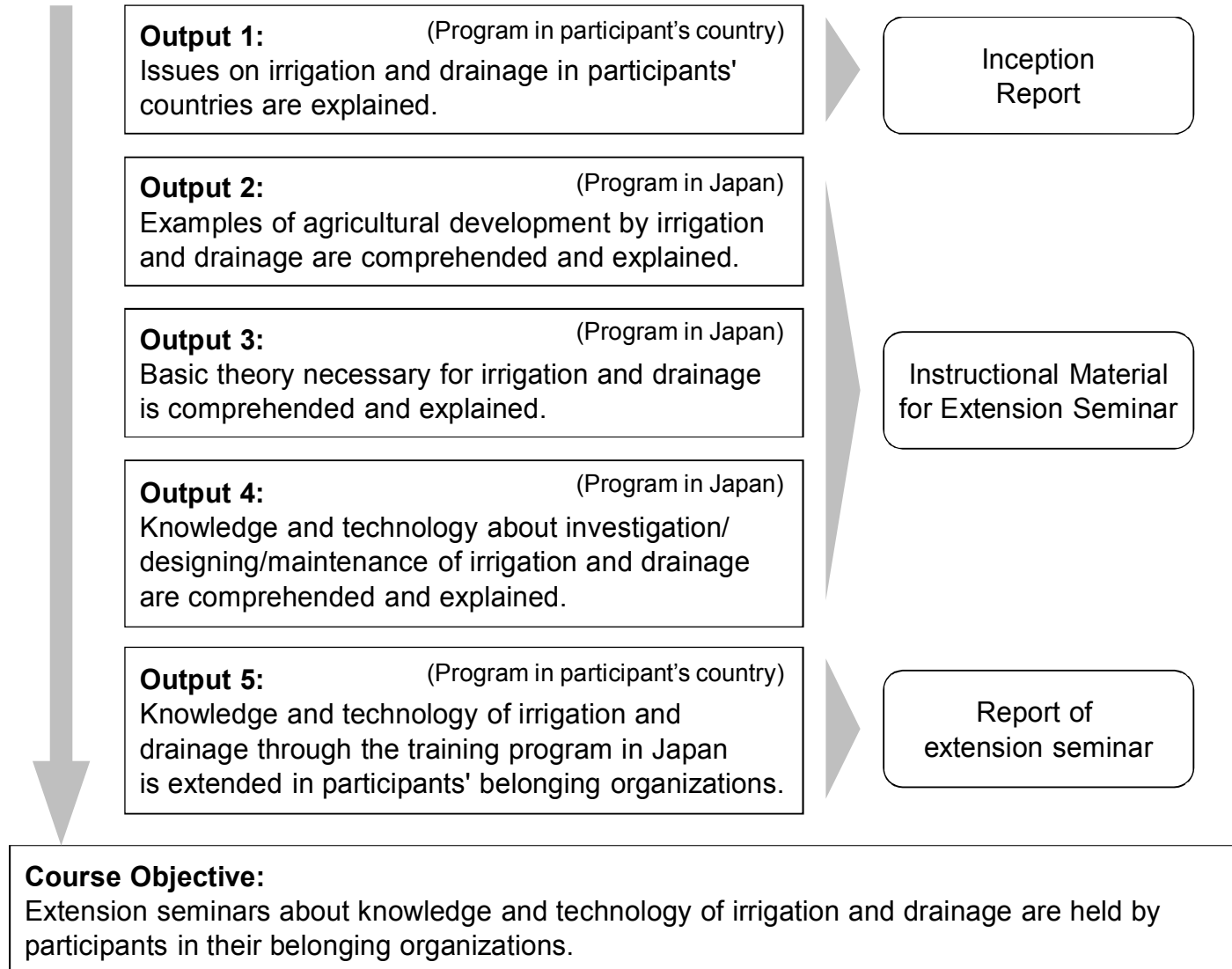
This program consists of the following components. Details on each component are given below:

<b>(1) Preliminary Phase in a participant's home country</b> (December 2011 to January, 2012) <i>Participating organizations make required preparation for the Program in the respective country.</i>	
Expected Module Output	Activities
Issues on irrigation and drainage in participants' countries are explained.	Inception reports on issues in responsible areas of participants' belonging organizations are compiled through the advanced program.

<b>(2) Core Phase in Japan</b> (February 12, 2012 to August 25, 2012) <i>Participants dispatched by the organizations attend the Program implemented in Japan.</i>		
Expected Module Output	Subjects/Agendas	Methodology
Examples of agricultural development by irrigation and drainage are comprehended and explained.	Lecture/Exercise/Observation about agricultural development in Japan are conducted. The poster session of agricultural development by irrigation and drainage in each country of participants is conducted.	Lecture Observation and Exercise
Basic theory necessary for irrigation and drainage is comprehended and explained.	Lecture/Exercise on basic theory of irrigation and drainage are conducted. Examination for the basic theory is conducted, and certain scores are gained by participants.	Lecture and Exercise
Knowledge and technology about investigation/designing/maintenance of irrigation and drainage are comprehended and explained	Lecture/Exercise/Observation about investigation/designing/maintenance of irrigation and drainage are conducted. Examination for these knowledge and technology is conducted, and certain scores are gained by participants.	Lecture, Observation and Exercise
Material for the extension seminar is developed and presented as the outcome of Core Phase in Japan.	Lecture/Exercise/Workshop for making the material for the extension seminars are conducted, and presentation session for their extension plans are also conducted.	Lecture, Exercise and Workshop

<b>(3) Finalization Phase in a participant's home country</b> (September, 2012) <i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i>	
Expected Module Output	Activities
Knowledge and technology of irrigation and drainage through the training program in Japan is extended in participants' belonging organizations.	Extension seminars about knowledge and technology of irrigation and drainage are held in participants' belonging organizations. Reports of extension seminars are submitted by September 30, 2012 through respective JICA overseas offices

## Irrigation and Drainage through Integrated Water Management



### **III. Conditions and Procedures for Application**

#### **1. Expectations for the Participating Organizations:**

- (1) This program is designed primarily for organizations intend to address specific issues or problems identified in their routine operations. The organizations are expected to use 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 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 -9 .
- (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 action plan made in the Finalization Phase described in section II -9.

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

Applying Organizations are expected to select nominees with the following qualifications.

##### **(1) Essential Qualifications**

- 1) Current duties: be engaged in part of Integrated Water Management as the irrigation and drainage engineers in central/local government or equivalent affiliated organization
- 2) Experience in the relevant field: should have more than 3 years' experience
- 3) Educational background: be a graduate of university or have an equivalent academic background; not for PhD holders
- 4) Language: be proficient in reading, speaking and writing English. Past experience shows that many participants are unable to make progress in their training because of inadequate knowledge of English
- 5) Obligation: should have an Extension seminars about knowledge and technology of irrigation and drainage within one month after return to their home country and submit the report on the seminar to JICA
- 6) Health: must 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 ①letter of the participant's consent to bear economic and physical risks ②letter of consent from the participant's supervisor ③letter of consent from your Embassy in Japan, ④medical certificate. Please ask National Staffs in JICA office for the details.
- 7) Must not be serving any form of military service.

## **(2) Recommendable Qualifications**

Age: be between the ages of twenty-five (25) and forty (40) years

## **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) Inception Report:** To be prepared in accordance with the format (see ANNEX I). It should be typewritten in English and submitted together with the Application Form. The Inception Report is used only for screening applicants and as training material.
- (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. Procedure for Application and Selection:**

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

Closing date for application to the JICA Center in JAPAN: **December 16th, 2011**

**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 governments, 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 the submitted documents according to qualifications. *The organizations with determination to utilize the opportunity of this program will be given prominence 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 January 10th, 2012.**

## **5. Conditions for Attendance:**

- (1)** to follow strictly 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
- (8) to participate the whole program including a preparatory phase prior to the program in Japan. The applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section II -9.

## ***IV. Administrative Arrangements***

### **1. Organizer:**

(1) **Name:** JICA Tsukuba

(2) **Contact:** Mr. Toru SAITO (tbictp@jica.go.jp)

### **2. Implementing Partner:**

Agricultural Development Consultants Association (<http://www.adca.or.jp/page/e/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: 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 Tsukuba International Center (JICA TSUKUBA)

Address: 3-6, Koyadai, Tsukuba, 305-0074, Japan

TEL: 81-29-838-1111 FAX: 81-29-838-1119

(where "81" is the country code for Japan, and "29" is the local area code)

If there is no vacancy at JICA TSUKUBA, JICA will arrange alternative accommodations for the participants.

### **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 "KENSHU-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 country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the training program, and other matters.

## ***V. Other Information***

### **1. Visa:**

Since the core phase in Japan is almost for 6 and half months, **6-month visa is not sufficient and participants should have 1-year visa.**

### **2. Computer:**

During the stay in Japan, laptop/notebook computer will be necessary for preparing Action Plan, presentation slides and to communicate by e-mail. It is highly recommendable for participants to bring your own private computers and conversion adapters. The electrical current in Japan is 100volts, 50cycles, and the plug shape is A type. Computer rooms in JICA Tsukuba are also available for using internet and making necessary documents.

### **3. Certificate**

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

## ***VI. ANNEX***

ANNEX I: Form of Inception Report (should be submitted with the Application Form)

**Inception Report**  
**for**  
**the Group Training Course on**  
**Irrigation and Drainage through Integrated Water Management**

**1. Basic Information**

Name	
Organization	
Position	

**2. Explain your job experiences in Irrigation and Drainage.**

Period	Organization	Position
From to		
Outline of duties:		
Period	Organization	Position
From to		
Outline of duties:		
Period	Organization	Position
From to		
Outline of duties:		

**3. Analyze difficulties and give the reasons (technical and organizational) in the field of Integrated Water Management in your responsible region.**

**3.1 Technical aspects**

No	Difficulties	Reasons
1		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>
2		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>
3		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>

**3.2 Organizational aspects**

No	Difficulties	Reasons
1		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>
2		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>
3		<ul style="list-style-type: none"> <li>▪</li> <li>▪</li> <li>▪</li> <li>▪</li> </ul>

**4. Analyze matters that should be improved in your organization and give the reasons in order to improve Integrated Water Management in a better way.**

No	Matters should be improved	Reasons
1		<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>
2		<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>
3		<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>

**5. Explain briefly your expectation from this training course, mentioning which techniques and knowledge you would like to improve or gain with their reasons.**

**6. Explain briefly your idea for the extension seminar to apply expected results of the training program in order to improve Integrated Water Management after returning to your country.**

## ***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.



***CORRESPONDENCE***

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

**JICA Tsukuba International Center (JICA TSUKUBA)**

**Address: 3-6, Koyadai, Tsukuba, 305-0074, Japan**

**TEL: 81-29-838-1111 FAX: 81-29-838-1119**