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வெளிநாட்டு வளங்கள் திணைக்களம்  
Department of External Resources

මුදල් හා ආර්ථික කටයුතු අමාත්‍යාංශය  
මහලේකම් කාර්යාලය (3 වැනි මහල), තැ.පෙ. 277, කොළඹ 00100, ශ්‍රී ලංකාව  
நிதி மற்றும் பொருளாதார அலுவலர்கள் அமைச்சு  
செயலகம் (3 ஆம் மாடி), த. பெ. இல. 277, கொழும்பு 00100, இலங்கை  
Ministry of Finance and Economic Affairs  
The Secretariat (3<sup>rd</sup> Floor), P.O. Box 277, Colombo 00100, Sri Lanka

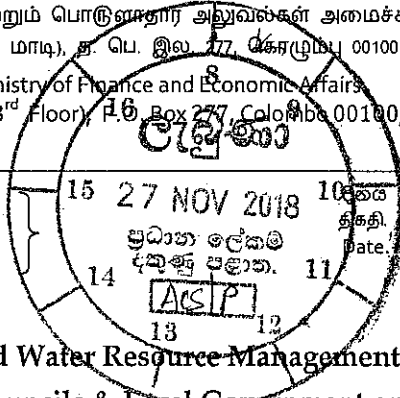
Web Site: www.erd.gov.lk

e-mail: info@erd.gov.lk

මගේ අංකය  
எனது இல.  
My No

TA & UN/JICA/S/1207

මගේ අංකය  
உமது இல  
Your No..



10  
11  
12  
13  
14

20 November 2018

Secretary/Ministry of Irrigation and Water Resource Management  
Secretary/Ministry of Provincial Councils & Local Government and Sports

Attn: Officer In-charge of Foreign Training

Dear Sir,

Irrigation and Drainage Technology Based on Integrated Water Management

- From: 24 February- 07 September 2019 - Japan

The Japan International Cooperation Agency (JICA) has requested us to submit nominations from eligible Government officials of Sri Lanka for the above programme. The GI Booklet and the Application Form submitted by JICA in this regard are enclosed for your information please.

You are kindly requested to submit nominations in line with the required qualifications mentioned in the "Nominee Qualifications" of the GI Booklet submitted by JICA. It is appreciated if you could submit two sets of applications along with the following documents *on or before 28 December 2018*.

1. The duly filled Application Form for "JICA Knowledge Co-Creation Programme" (hand written applications will not be accepted) - Application Form can be downloaded from ERD public website.
2. Copy of the Nominee's English Score Sheet (e.g. TOEFL, TOEIC, IELTS)
3. Copy of the relevant pages of the Passport
4. Questionnaire (See Annex for details)
5. ERD Form 2 (Original only)

Please note that re-nomination of an official, already trained under a JICA programme will not be qualified for another JICA training programme within five (5) years of such training.

අධ්‍යක්ෂ ජනරාල්  
பணிப்பாளர் நாயகம்  
Director General

94-11-2484693

කාර්යාලය  
அலுவலகம்  
Office

94-11-2484500  
94-11-2484600

ෆැක්ස් අංකය  
தொலை நகல்  
Fax

94-11-2447633  
94-11-2387153  
94-11-2434876


Your early response in this regard is highly appreciated.

Yours faithfully

**Noor Rizna Anees**

Addl. Director General

*for* Director General of External Resources

✓ *Copies: All Provincial Councils -* Pl. submit your applications with  
the recommendation of the relevant  
line Ministry. 



Japan International Cooperation Agency  
10th & 13th Floors, DHPL Building,  
No. 42, Navam Mawatha, Colombo - 2, SRI LANKA.  
TEL : (+94)011-2300470 / 2303700  
FAX : (+94)011-2300473 / 2303692  
E-mail : sl\_oso\_rep@jica.go.jp  
Homepage: <http://www.jica.go.jp/srilanka/english/index.html>  
Facebook : <https://www.facebook.com/jicasrilanka>

November 14, 2018.

Ms. Noor Rizna Anees  
Additional Director General (TA & UN)  
Department of External Resources  
Colombo 1.

Dear Ms. Anees,

**JICA Knowledge Co-creation Program :**  
**IRRIGATION AND DRAINAGE TECHNOLOGY BASED ON INTEGRATED WATER MANAGEMENT**  
**COURSE NO: J-18-04070**

This is to inform you that Japan International Cooperation Agency (JICA) will consider completed applications of qualified participants nominated by the Government of the Democratic Socialist Republic of Sri Lanka for the above Technical Training Course.

The duration of the training course is **from 24 February ~ 7 September, 2019.**

The participants for the above course should be nominated in accordance with the General Information (GI) regulations. Eight copies of the General Information (GI) booklets are attached for distribution to the relevant authorities.

To further expedite the selection procedures, let us suggest the following institution(s) as below mentioned that are considered as eligible in accordance with the stipulations of the GI.

- Ministry of Irrigation and Water Resource Management
- Provincial Department Irrigation, North Central Province
- Provincial Department of Irrigation, Northern Province

Please make necessary arrangements to submit duly completed documents to reach JICA Sri Lanka office on or before **3 January, 2019.**

- Application Form
- Photocopy of Passport (together with the Application Form)
- Nominee's English Score Sheet (E.G. TOEFL/TOEIC/IELTS)
- Questionnaire (See Annex for details)

In completing the application forms, kindly advise the nominees to use the same name order as given in the passport, where JICA shall issue official documents relevant to visa in the similar order on his/her acceptance by JICA. In case passports are not available at the time of nomination, on receipt of JICA acceptance notification letter, nominees are expected to issue passports in the same name order as mentioned in the training application.

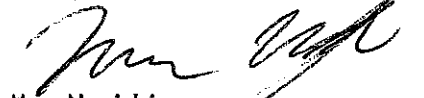
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We also note that, handwritten training applications shall not be accepted by JICA at any reason.

In addition, kindly advise the nominating organizations to share the GI Booklets with their nominees for a better understanding of the training requirements, whereas JICA conducts its selection interviews principally based on the contents of the respective GIs.

Thank you.

Yours sincerely,



**Moe Negishi**  
**Representative**  
JICA Sri Lanka office

Copy :

Mr. S. Waratani, First Secretary, Embassy of Japan



# Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

IRRIGATION AND DRAINAGE TECHNOLOGY BASED ON  
INTEGRATED WATER MANAGEMENT

課題別研修「統合的水管理に基づくかんがい排水技術」

JFY 2018

NO. J18-04070 / ID. 1884718

Course Period in Japan: From February 24<sup>th</sup>, 2019 to September 7<sup>th</sup>, 2019

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

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

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *"In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together."* We believe that this 'Knowledge Co-Creation Program' will serve as a center of mutual learning process.

# **I. Concept**

## **Background**

Securing food supplies has become a major challenge to many of the developing countries. For achieving food security water plays a major key role as an essential input to agriculture. Since water shortage is a major factor constraining agricultural production, effective irrigation and drainage are expected to play a greater role in sustainable agriculture by increasing land productivity and stabilizing production. In addition, for improving agricultural productivity and rural living environment, proper management of water and related facilities is necessary, as well as construction of such facilities.

Developing countries are suffering from poor institutional capacity and low competencies of their engineers in the field of water management. Curricula of irrigation, drainage, agricultural, or civil engineering at many universities tend to focus only on theories and principles, and the students have limited opportunities for experiments and practices to understand how these concepts are applied in practice. Only when they enter the workforce do they start gaining practical skills and knowledge, through on the job training and from experiences of senior engineers. Without proper understanding, young engineers may make serious mistakes in investigating, designing, operating or maintaining facilities, leading to waterlogging, wastage and pollution of water resources, negative impact on the environment, or rising cost in operation.

## **For what?**

This program aims at contributing to development of human resources of target countries for investigating, designing, operating and maintaining irrigation and drainage facilities based on the concept of Integrated Water Management.

## **For whom?**

This program is designed for young engineers engaging in the field of irrigation and drainage who are expected to continue to work in the field in the future and to contribute to proper improvement of agriculture in their countries through acquiring, enhancing and applying knowledge and skills for irrigation and drainage technology.

## **How?**

Participants will acquire knowledge on irrigation and drainage technology and enhance abilities to utilize such knowledge in the field. Through combination of lectures, study tours, experiments, workshops, discussion and reporting, participants will acquire knowledge on basic theories of irrigation and drainage and methods of survey, designing, operation, maintenance and management (OMM) of irrigation and drainage facilities, and understand how to achieve agricultural and rural development through irrigation and drainage.

## ***II. Description***

- 1. Title (J-No.): Irrigation and Drainage Technology based on Integrated Water Management (J18-04070)**
- 2. Course Period in JAPAN**  
February 24, 2019 to September 7, 2019
- 3. Target Regions or Countries**  
Afghanistan, Bangladesh, Cambodia, Egypt, Malawi, Pakistan, the Philippines, Rwanda, Sri Lanka, Senegal, Uganda, and Viet Nam
- 4. Eligible / Target Organization**  
Central/Local Government or equivalent affiliated organization responsible for irrigation and drainage projects
- 5. Course Capacity (Upper limit of Participants)**  
12 participants
- 6. Language to be used in this program:**  
English
- 7. Course Objective:**  
The capacity of participants to implement irrigation and drainage projects is enhanced through acquiring relevant knowledge and technologies based on Integrated Water Management.
- 8. Overall Goal**  
Appropriate knowledge and technology are applied in implementing irrigation and drainage projects in responsible areas of participants' belonging organizations.

### 9. Expected Module Output and Contents:

This program consists of the following components. Please note these are subject to change. Details on each component are given below:

| <b>(1) Preliminary Phase in a participant's home country</b><br>(From January 2019 to February 23, 2019)<br>Participants and their organizations make required preparation for the Core Phase. |   |  |
|--|---|--|
| Expected Module Output   | Subjects/Agendas  | Methodology                                    |
| 1) Participants explain issues on irrigation and drainage in their countries.  | Preparation of <b>Inception Reports</b> on issues in responsible areas of participants' organizations | Report Making and Preparation for Presentation |

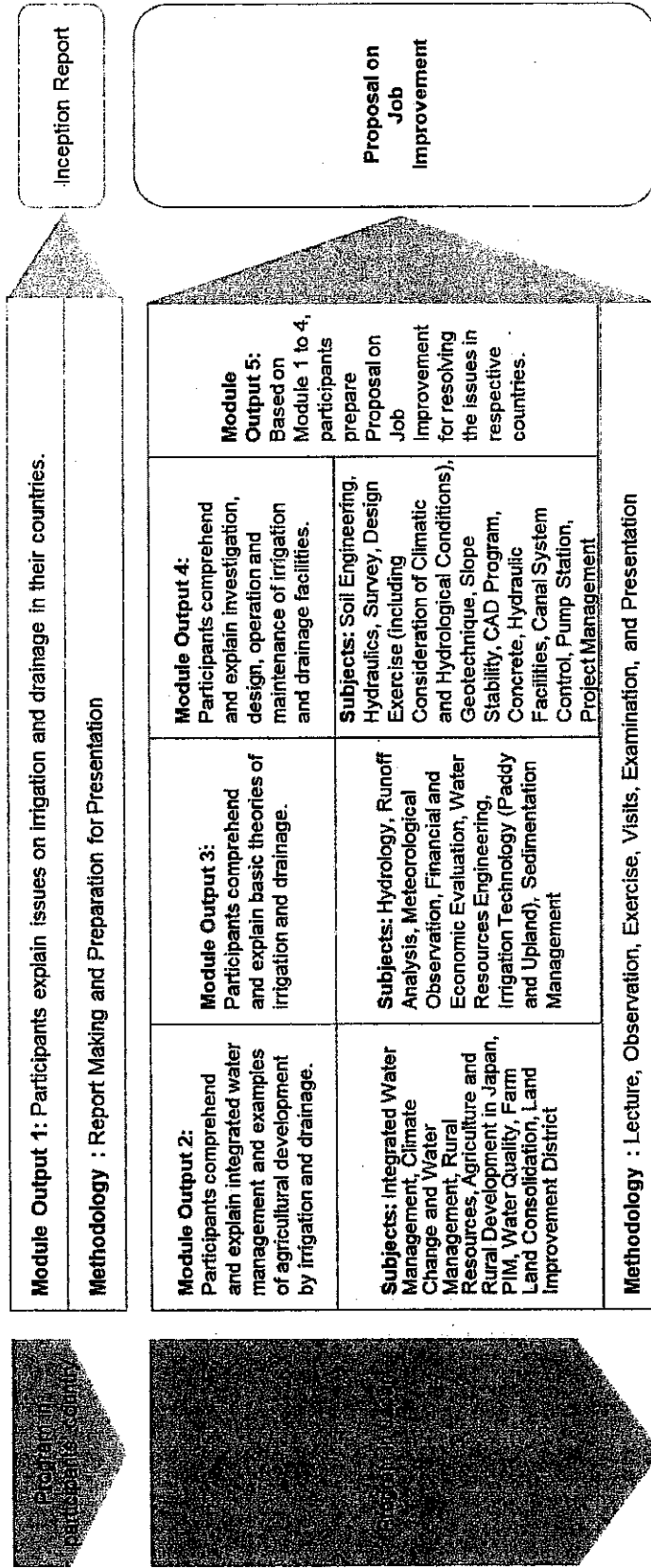
| <b>(2) Core Phase in Japan</b><br>(From February 24, 2019 to September 7, 2019)<br>Participants attend the Program implemented in Japan. |  |   |
|--|--|---|
| Expected Module Output   | Subjects/Agendas   | Methodology   |
| 2) Participants comprehend and explain integrated water management and examples of agricultural development by irrigation and drainage.  | <input type="checkbox"/> Integrated Water Management, Climate Change and Water Management, Rural Resources, Agriculture and Rural Development in Japan, PIM, Water Quality, Farm Land Consolidation, and Land Improvement District   | Lecture, Observation, Exercise, Visits, Presentation, and Examination |
| 3) Participants comprehend and explain basic theories of irrigation and drainage.  | <input type="checkbox"/> Hydrology, Runoff Analysis, Meteorological Observation, Financial and Economic Evaluation, Water Resources Engineering, Irrigation Technology (Paddy and Upland), Sedimentation Management  | Lecture, Observation, Exercise, Visits, Presentation, and Examination |
| 4) Participants comprehend and explain investigation, design, operation and maintenance of irrigation and drainage facilities.           | <input type="checkbox"/> Soil Engineering, Hydraulics, Survey, Design Exercise (including Consideration of Climatic and Hydrological Conditions), Geotechnique, Slope Stability, CAD Program, Concrete, Hydraulic Facilities, Canal System Control, Pump Station, Project Management | Lecture, Observation, Exercise, Visits, Presentation, and Examination |
| 5) Based on (1)-(4), participants prepare Proposal on Job Improvement for resolving the issues in respective countries.                  | <input type="checkbox"/> Preparation of <b>Proposal on Job Improvement</b> for resolving issues analyzed in Inception Reports<br><input type="checkbox"/> Presentation of Proposal on Job Improvement  | Lecture, Exercise and Presentation                                    |



## <Structure of the program>

\*Contents are subject to change

### Irrigation and Drainage Technology based on Integrated Water Management: Course Curriculum



**Course Objective:**  
The capacity of participants to implement irrigation and drainage projects is enhanced through acquiring relevant knowledge and technologies based on Integrated Water Management.

**Overall Goal:** Appropriate knowledge and technology are applied in implementing irrigation and drainage projects in responsible areas of participants' belonging organizations.

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

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

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operations. Applying organizations are expected to use the Program for those specific purposes.
- (2) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.
- (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 above.
- (4) Applying organizations are also expected to be prepared to make use of knowledge acquired by the nominees for the said purpose.

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

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

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

- 1) Current Duties: be engaged in part of Integrated Water Management as irrigation and drainage engineers in central/local government or equivalent affiliated organization.<sup>1</sup>
- 2) Experience in the relevant field: have more than two (2) years' experience in the field of irrigation and drainage
- 3) Educational Background: be a graduate of university or have an equivalent academic background: not for PhD holders.
- 4) Language: have a competent command of spoken and written English which is equal to TOEFL iBT 80 in principal. Past experience shows that many participants are unable to make progress in their program because of inadequate knowledge of English. Please note that this course involves writing and oral presentations during the course period in Japan, as well as preparing Inception Report in the participants' countries.
- 5) Health: must be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

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<sup>1</sup> This course has accepted participants who are not irrigation and drainage engineers in the past. Those from agriculture and other engineering background have found the contents informative and relevant to their duties. However, as the course offers technical subjects in various aspects of irrigation, drainage, and agricultural and rural development in limited timeframe, all participants are expected to update and gain knowledge through report writing, group works, and self-studies.

## **(2) Recommendable Qualifications**

- 1) Age: between the ages of twenty-five (25) and forty (40) years
- 2) Computer skill: have proficient skills to operate personal computers and software, including, but not limited to, Microsoft Word, Excel, and PowerPoint.

## **3. Required Documents for Application**

- (1) Application Form:** The Application Form is available at the JICA office (or the Embassy of Japan).
- (2) Photocopy of passport:** to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.  
\*Photocopy should include the followings:  
Name, Date of birth, Nationality, Sex, Passport number and Expire date.
- (3) Nominee's English Score Sheet:** to be submitted with the application form. If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)
- (4) Questionnaire:** to be submitted with the application form. See ANNEX for detail.

## **4. Procedures for Application and Selection:**

### **(1) Submission of the Application Documents:**

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

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to the JICA Center in JAPAN by January 10 2019

**Deadline of A2A3 application i  
JICA Sri Lanka office is 03.01.19**

### **(2) Selection:**

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

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

### **(3) Notice of Acceptance**

Notification of results will be made by the JICA office (or the Embassy of Japan) not later than January 24, 2019.

**5. Documents to be submitted by accepted candidates:**

**(1) Inception Report:** The accepted candidates are going to prepare Inception Report and presentation materials as assignments for the Preliminary Phase of this program, in their respective countries. The accepted candidates are going to receive instructions by e-mail after he noticed acceptance.

**6. Conditions for Attendance:**

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

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

### **1. Organizer:**

(1) **Name:** JICA TSUKUBA

(2) **Contact:** Ms. Miwa KURABAYASHI ( [tbicctp@jica.go.jp](mailto:tbicctp@jica.go.jp) )

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

Agricultural Development Consultants Association (ADCA)

#### **Travel to Japan:**

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

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

### **3. Accommodation in Japan:**

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

JICA Tsukuba Center (JICA TSUKUBA/TBIC)

Address: 3-6 Koyadai, Tsukuba, Ibaraki, 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. Please refer to facility guide of TBIC at its URL, [http://www.jica.go.jp/english/about/organization/domestic/pdf/tsukuba\\_facility.pdf](http://www.jica.go.jp/english/about/organization/domestic/pdf/tsukuba_facility.pdf)

### **4. Expenses:**

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

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

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

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

(4) Expenses for program implementation, including materials

For more details, please see "III. ALLOWANCES" of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given before departure for Japan.

### **5. 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. Visa

Since the core phase in Japan is over six (6) months, **6-month visa is not sufficient and participants should have 1-year visa.** Please note that those participants with 6-month visas will be required to renew their visas at an immigration office during the course on weekdays.

### 2. Computer

Participants need to come with laptop PCs (Windows personal computers with Microsoft Office software including Word, Excel, and PowerPoint) during the Core Phase in Japan for preparing reports, presentation slides, calculate with numerical model using dynamic link library, gpoc2004.dll, on excel and to communicate course leaders and JICA by e-mail. It is highly recommendable for participants to bring their own private computers and conversion adapters. The electrical current in Japan is 100 volts, 50 cycles, and the plug shape is A type. A computer room in JICA Tsukuba is also available for using the Internet and making necessary documents (the number of computers and the opening hours are limited).

### 3. Certificate

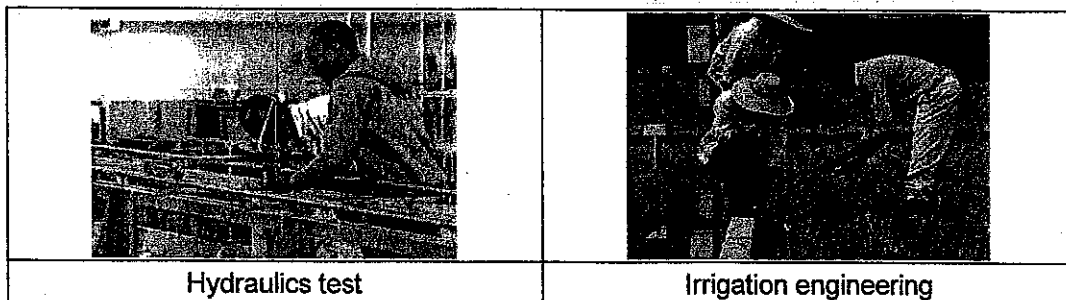
Participants who have successfully completed the course will be awarded certificates by JICA. Please note **this program does not issue a diploma or degree.**

### 4. International Exchange Program

For the promotion of mutual friendship, JICA Tsukuba encourages international exchange between JICA participants and local farmers, research institutes or the general public. Participants are expected to contribute to this effort by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home countries.

### 5. Allowance and Currency Exchange

- (1) Allowances, such as for accommodation, living, clothing, and shipping, are deposited to participants' temporary bank account in Japan after 2 to 5 days after their arrival in Japan. It is highly advisable to bring some cash in order to cover necessary expenses for the first few days.
- (2) It is very important that currency is exchanged to Japanese Yen at any transit airport or International Airport in Japan at the time of participants' arrival. It is quite difficult to exchange money after this, as there is no facility near JICA Tsukuba for exchange and participants are not able to use these services during regular office hours.



# ANNEX: Questionnaire

Submit questionnaire along with the application documents.

Your questionnaire must be type-written

|               |   |
|---------------|---|
| Name          |   |
| Country       |   |
| Organization  |   |
| Position      |   |
| Email Address | *Please provide an e-mail address you regularly check. JICA Tsukuba contact the accepted candidates by email/ |

## 1. Explain your job experiences in Irrigation and Drainage.

| Period  | Organization              | Position              |
|---|---------------------------|-----------------------|
| From to Now   | Your current organization | Your current position |
| Outline of duties:  |                           |                       |
| <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> </ul> |                           |                       |
| Period  | Organization              | Position              |
| From to   |                           |                       |
| Outline of duties:  |                           |                       |
| <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> </ul> |                           |                       |
| Period  | Organization              | Position              |
| From to   |                           |                       |
| Outline of duties:  |                           |                       |
| <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> </ul> |                           |                       |

**2. Write 3 major problems which your organization is facing in the area of irrigation and drainage management, and propose possible solutions to these problems.**

| No | Major problems | Possible solutions (How you intend to solve problems)   |
|----|----------------|---|
| 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> |

**3. Check box(es) of the subjects of your particular interests and explain how they are related to implementing the possible solutions in 2.**

| Subjects  | How is it related to the solutions in 2? |
|---|--|
| <input type="checkbox"/> Integrated Water Management                                  |  |
| <input type="checkbox"/> Climate Change and Water Management                          |  |
| <input type="checkbox"/> Rural Resources  |  |
| <input type="checkbox"/> Agriculture and Rural Development in Japan                   |  |
| <input type="checkbox"/> PIM (Participatory Irrigation Management)                    |  |
| <input type="checkbox"/> Water Quality  |  |
| <input type="checkbox"/> Farm Land Consolidation                                      |  |
| <input type="checkbox"/> Land Improvement District (Japanese water users association) |  |
| <input type="checkbox"/> Hydrology  |  |
| <input type="checkbox"/> Runoff Analysis  |  |
| <input type="checkbox"/> Meteorological Observation                                   |  |
| <input type="checkbox"/> Financial and Economic Evaluation                            |  |



|  |  |
|--|--|
| <input type="checkbox"/> Water Resources Engineering   |  |
| <input type="checkbox"/> Irrigation Technology (Paddy and Upland)  |  |
| <input type="checkbox"/> Sedimentation Management  |  |
| <input type="checkbox"/> Soil Engineering  |  |
| <input type="checkbox"/> Hydraulics  |  |
| <input type="checkbox"/> Survey  |  |
| <input type="checkbox"/> Design Exercise (including Consideration of Climatic and Hydrological Conditions) |  |
| <input type="checkbox"/> Geotechnique  |  |
| <input type="checkbox"/> Slope Stability   |  |
| <input type="checkbox"/> CAD Program   |  |
| <input type="checkbox"/> Concrete  |  |
| <input type="checkbox"/> Hydraulic Facilities  |  |
| <input type="checkbox"/> Canal System Control  |  |
| <input type="checkbox"/> Pump Station  |  |
| <input type="checkbox"/> Project Management  |  |

**4. Briefly explain your expectation(s) from this program.**

## *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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