12040/03/2012-FTC(Trg.) Government of India Ministry of Personnel, P.G. and Pensions Department of Personnel & Training Training Division

Block – IV, Old JNU Campus New Mehrauli Road, New Delhi110067 Dated the 7th February 2012

TRAINING CIRCULAR

Subject:

A Group Training Course in Construction Technology Introduced and/or Applied to Developing Countries to be held in Japan from 13th May to 30th June 2012.

The undersigned is directed to state that the Japan International Cooperation Agency (JICA), under the Technical Cooperation Programme of the Government of Japan has invited application for the above programme, to be held in Japan from 13th May to 30th June 2012.

- The Program aims to contribute to improve the civil engineering in their respective countries and motivate the participants to work on the establishment of their own technical standard and system.
- 3. The Candidate should be (i) mid-career officials or researchers who are in charge of civil engineering(except Building or housing works) (ii) have between 8 and 18 years of occupational experience in construction work (iii) be a graduate of university or equivalent in the field of civil engineering (iv) be proficient in written and spoken English (v) be in good health (vi) not be serving in any form of military service.
- 4. The course covers the cost of a round-trip air ticket between an international airport designated by the JICA and Japan will be bore 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 related to pr-existing illness, pregnancy, or dental treatment is not included).
- 5. It is requested that the nomination of the suitable candidates may please be forwarded to this Department in accordance with the eligibility criteria by 15th March 2012. The application should be in the prescribed A2A3 form together with medical history and also accompanied by the Job Report as indicated in the course brochure. The course brochure and the application form (A2A3) is available on our website (www.persmin.nic.in).

(N.K. Wadhwa) Under Secretary to the Govt. of India

- 1. The Secretary, Ministry of Urban Development, Nirman Bhavan, New Delhi.
- The Secretary, Ministry of Road Transport & Highways, Transport Bhavan, New Delhi.
- 3. The Secretary, Ministry of Railway, Rail Bhavan, New Delhi
- All State Governments//Union Territories.
 (With the request to circulate it amongst the related organizations)
- 5. NIC with the request to post the circular along with the JICA's circular and the enclosed application Proformas on the Department's website.

N.K. Wadhwa) Under Secretary to the Govt. of India

Form A2A3

Technical Cooperation by The Government of Japan

Training Award of Japan International Cooperation Agency (JICA)

Application by the				Pleas	e provide	e one original
for a training cour	se in the field of		and f	and four copies. Please print or type		
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(FOR JAPANSES						
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11 TRAINING OR STUDY IN FORENGN COUNTRIES (in relation to professional interests.)

Institution	City/Country	Per	iod	Certificate/	T. 11
	oig, country	From	То	Degree Awarded	Field of Study
xx	xx	xx	XX	XX	

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12 EMPLOYMENT RECORD

1) Present Place of Employment	
Name	Title of present Job
Address	Date of Taking Up Post
	Type of Organization
Telephone: 86- Telex/Fax: 86-	Governmental/public Private International Others
2) Previous Job	
Name and address of Organization	Description of Your Previous Job 1. 2. 3.
Previous Title/Post and Dates(from/to)	4.
4) Describe your own job.	
5) Explain how the proposed training will be	of benefit to you in the work you will be doing on your return.
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English Listening Speaking Writing/Reading	excellent excellent	□good □good □good	∐fair ∏fair ∏fair	□poor □poor □poor
Mother Tongue				
Other Language				
	excellent	□good	∏fair	poor
14 NOMINEE'S DECLARAT	TION To be signed by the nor	ninee.		
I certify that the statements made	de by me in this form are t	rue and correc	t to the best o	my knowledge.
If accepted for a training award	, I agree:			
a) not to bring any member of b) to carry out such instructic Government and the Japar c) to follow the course of stu which I undertake to study d) to refrain from engaging is e) to submit any progress ref f) to return to my home cour I also fully understand that if adequate progress, or for other of Japan.	ons and abide by such concese Government in respect dy or training, and abide by or train. In political activities, or amount or evaluation question thry at the end of my cours granted a training award it	et of this cours by the rules of y form of emp naires which r e of study or t t may be subs	e of training. the institution loyment for pr nay be prescri raining. equently with	or establishments wit ofit or gain. bed.
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3 (For Non-Group Train	ning only)
Describe: 1) Subject area of the tr	aining required
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2) Special subjects wh	nich are particularly important and should be included in the training program tional sheet if necessary).
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MEDICAL HISTORY AND EXAMINATION FOR JICA TRAINING AWARD

I NAME OF NOMINEE (last name, first name, middle name)				
2 DATE OF BIRTH (mo/day/yr)	3 NATIONALITY	4 SEXmalefemale	5 ADDRESS FOR CONTACT	
NAME OF TRAINI	NG COURSE/SEMINA	AR		
LENGTH OF TRAI	NING COURSE/SEMI	NAR(weeks, months)		
Before you complete th		ORTANT NOTICE tionnaire, you are hereby n	otified that:	

9 NOMINEE WILL CHECK "YES" OR "NO" AND EXPLAIN

	YES	NO		EXPLANATION
a.			Have you had any significant or serious illness or injury? (If hospitalized, give place & dates.)	
b.			Have you had any operations or advice by a physician to have an operation? (Give place & dates.)	
c.			Do you currently use any drugs for treatment of a medial condition? (Give name & dose.)	
d.			Have you ever been a patient in a mental hospital or sanitarium or treated by a psychiatrist? (Give place & dates.)	

10 NOMINEE WILL INDICATE "YES" OR "NO" TO EACH ITEM DO YOU NOW HAVE OR HAVE YOU EVER HAD THE CONDITIONS LISTED BELOW?

(Check each item, if yes, enclose the relevant condition with a circle.)

	YES	NO	CONDITION
a.			Asthma, emphysema, or other lung conditions
b.			Tuberculosis or live with anyone who has tuberculosis
c.			High blood pressure, heart disease
d.		200	Stomach, liver (hepatitis), gall bladder disease
e.			Kidney or bladder disease. Stone or blood in urine
f.			Diabetes (sugar in the urine)
g.			Depression, excess worry, attempted suicide, or other psychological symptoms
h.			Acquired Immune Deficiency Syndrome (AIDS)
i.			Tumor, abnormal growth, cyst, or cancer
j.			Bleeding disorder, blood disease (sickle cell anemia)

I CERTIFY THAT I HAVE READ THE ABOVE INSTRUCTIONS AND ANSWERED ALL QUESTIONS TRULY AND COMPLETELY TO THE BEST OF MY KNOWLEDGE.

11 PRINTED NAME OF NOMINEE	12 DATE	13 SIGNATURE OF NOMINEE
	1	



TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

CONSTRUCTION TECHNOLOGY INTRODUCED AND/OR APPLIED TO DEVELOPING COUNTRIES 集団研修「開発途上国において導入、あるいは応用・開発可能な建設技術」

JFY 2012

<Type: Leaders Training Program / 類型:中核人材育成型> NO. J12-00651/ ID. 1280979 From May. 13, 2012 to June. 30, 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

This group training program was established in 2010 and is offered to the developing countries' officials who are in charge of civil engineering, with the dual aims of contributing to the improvement of each country's civil engineering and motivating them to work on the establishment of their own technical standard and system.

So far, the participants to this program are centering on from Asia but also encompassing other regions such as Africa, Middle-East and Latin America. This time is the 3nd year of the program and will be the important stage to verify the contents. Active participation of many candidates is welcomed.

For what?

This program is aiming to contribute to improving the civil engineering in their respective countries and motivating the participants to work on the establishment of their own technical standard and system.

For whom?

This program is offered to mid career officials who are in charge of civil engineering (except building and housing works) engaged in infrastructure development and belonging such as central and local government in developing countries.

How?

The following subjects will be covered in this course through lectures, observations, and discussions;

- (1) Standard and system for construction technology
- (2) Newly developed survey/ design/construction engineering
- (3) Environmental preservation in infrastructure development
- (4) Maintenance technology
- (5) Action plan

II. Description

- 1. Title (J-No.): Construction Technology Introduced and/or Applied to Developing Countries (J12-00651)
- 2. Period of program

Duration of program: May. 13, 2012 to June. 30, 2012

3. Target Regions or Countries:

Cambodia(1), India(1), Laos(1), Myanmar(2), Nepal(2), Philippines(2), Tanzania(1), Uganda(1), Zimbabwe(1)

*() means expected number of candidates.

4. Eligible / Target Organization:

This program is designed for central / local government in charge of civil engineering in developing countries.

- 5. Total Number of Participants :
- 11 participants
- 6. Language to be used in this project: English
- 7. Program Objective:

The participants are expected to contribute to improving the civil engineering in their respective countries, deepening the knowledge and information on the following contents;

- (1) Standard and system for construction technology
- (2) Newly developed survey/ design/construction engineering
- (3) Environmental preservation in infrastructure development
- (4) Maintenance technology
- (5) Action plan

8. Expected Module Output and Contents:

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

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	v

Expected Module Output	s attend the Program implement Subjects/Agendas	Methodology
To acquire the characteristic and condition of infrastructure development in Japan and the international standard of construction materials and environmental issue	The details are as bellow.	Lecture and Observation
2) To acquire the fundamental theory and implementation of newly developed survey/design/construction technology such as tunneling, slope protection, countermeasure for soft ground, earth retaining and etc.	The details are as bellow.	Lecture and Observation
3) To acquire the environmental issues which are restoration of native forest, construction waste recycling and etc.	The details are as bellow.	Lecture and Observation
4) To acquire the investigation and maintenance method for the deterioration of concrete, steel and other members of existing structure such as bridge and etc.	The details are as bellow.	Lecture and Observation
5) To draw up your action plan comparing your condition/problem and the technology acquiring thorough this course, and hold the presentation and discussion for deeply understanding	The details are as bellow.	Lecture, Discussion an Practice

<Structure of the program>

Program (activities in Japan): Topic outline (subject to minor changes)

1. General orientation (2.5 days)

- 1. Briefing (0.5)
- 2. Program orientation (0.5)
- 3. Interim Meeting (0.5)
- 4. Japanese people, society, culture, education and history (1.0)

2. Standard and System for Construction Technology: (Course Outcome 1)

Lecture (4 days) and Observation (0.5 days)

L	0.5	Outline of MLIT's Policy
L	0.5	Trend of High Technology in Construction
L	0.5	Construction Industry in Japan
L	0.5	International Technical Standard in the field of Construction
L	0.5	ISO 9000 / ISO 14000
L	1.0	Project Planning and Evaluation
L	0.5	Introduction of JSCE's Activities
0	0.5	Outline of Public Work Research Institute

3. Newly Developed Survey / Design / Construction Engineering: (Course Outcome 2)

Lecture (6 days) and Observation (4 days)

LE	Lecture (6 days) and Observation (4 days)				
L	0.5	Recent Developments in Geotechnical Investigation			
L	0.5	New Construction System using GPS			
L	0.5	Geotechnical Monitoring at Site			
L	0.5	Advanced Material and Recycled Material			
L	0.5	Application of New Material -Embankment and Slope Stabilization-			
L	0.5	New Technology for Excavation and Earth Retaining Work			
L	0.5	New Tunnel Technology			
L	1.0	Technological Development and Its effects (Bridges as example)			
L	0.5	Technological Development of Bridge Foundation			
L	0.5	Soil Improvement for Soft Ground			
L	0.5	Outline of Seismic Design			
0	0.5	Siţe (Bridge & Tunnel)			
0	0.5	Site (Excavation & Earth Retaining Wall)			

0	0.5	Site (Countermeasure for Soft Ground)
0	0.5	Site (Aqua-line)
0	0.5	Facilities (Geographical Survey Institute)
0	0.5	Facilities (Risk Evaluation and Stability for slope protection & Soft
		Ground)
0	0.5	Facility (Kanto Engineering Laboratory)
0	0.5	Facility (Seto-ohashi Bridge Memorial Museum)

4. Environmental Preservation in Infrastructure Development : (Course Outcome 3)

Lecture (2 days) and Observation (4.5 day)

L	0.5	Restoration of Native Forest
L	0.5	Restoration of Native Forest at Construction Site
L	0.5	Outline of Construction Waste Recycling Law
L	0.5	Traditional Construction Method in River Works
0	1.0	Site (Restoration of Native Forest)
0	1.0	Site (Intimate River Works for Nature Conservation)
0	0.5	Site (Traditional Construction Method in River Works)
0	0.5	Site (River Works for Nature Conservation)
0	0.5	Facilities (Kawasaki Recycle Center)
0	0.5	Facilities (Earth Recycling Center)
0	0.5	Facilities (Asphalt Recycle Plant)

5. Maintenance Technology: (Course Outcome 4) Lecture (1.5 days) and Observation (1.5 days)

L	0.5	Advanced Technology and Maintenance of Concrete
L	0.5	Advanced Technology and Maintenance of Bridge
L	0.5	Maintenance & Management of Urban Road
0	0.5	Facilities (Maintenance & Management of Concrete Structure)
0	0.5	Site (Maintenance & Management of Bridge)
0	0.5	Site (Maintenance & Management of Urban Road)

6. Action Plan: (Course Outcome 5)

Lecture (0.5 days), Discussion (2.5 days) and Practice (1.0 days)

	4	
D	1.0	Job Report Presentation and Discussion
D	0.5	Interim Meeting
L	0.5	Action Report Orientation
P	1.0	Action Report Drawing

(1) Job Report (Presentation: 1 day)

 Each participant makes a presentation of his/her Job Report. Please see 1,and3, of +V V, and V/.ANNEX 1 at the end of this booklet for details of the necessary contents of the Job Report.

(2) Action Plan (Lecture: 0.5 day, Practice: 1.0 day, Discussion: 2.5 day)

- Each participant is expected to summarize in a report how will tackle with the subject of the present condition in the organization towards its introduction and application after the homecoming by making the comparative analysis of the difference with the knowledge and technology learned through this course in order to establish their own standard and system.
- The theme for the action plan is chosen the 4 course outcomes above by participants respectively and is described the plan which will be introduced to your country as realizable with/without problem.
- To draw up their action plan comparing their condition/problem and the technology acquiring thorough this course, and hold the presentation and discussion for deeply understanding.
- Each participant is to make a presentation on his/her proposal (action plan) to lecturers and fellow participants for the purpose of discussion and mutual exchange of opinions.

7. Study tour (5 days)

 The participants will visit the western part of Japan for a week around the end of training. The tour contains visits to nature restoration sites and construction sites where various advanced techniques are practiced.

III. Condition and Procedures for Application

1. Expectations for the Participating Organizations:

- (1) This project 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) 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.

Essential Qualifications

- 1) Current Duties: mid carrier officials or researchers who are in charge of civil engineering (except building and housing works)
- 2) Experience in the relevant field: have between 8 and 18 years of occupational experience in construction work
- 3) Educational Background: be a graduate of university or equivalent in the field of civil engineering
- 4) Language: be proficient in spoken and written English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)
- 5) Health: must be in good health, both physically and mentally, to participate in the program in Japan. As the schedule of this course includes much observation that would be too demanding for pregnant women, pregnancy is regarded as a disqualifying condition for participation in the course.
- 6) Must not be serving any form of military service

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) 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.
- (3) Job Report: to be submitted with the application form. Please follow VI-1.ANNEX, Necessary Contents of The Job Report.

4. Procedure for Application and Selection:

(1) Submitting the Application Documents:

Closing date for application to the JICA Yokohama International Center in JAPAN: March 30, 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 April 13, 2012.

5. 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.

IV. Administrative Arrangements

1. Organizer:

(1) Name: JICA Yokohama

(2) Contact: Mr.Satoshi MACHIDA(jicayic-training1-as2@jica.go.jp)

2. Implementing Partner:

Japan Construction Training Center http://www.jctc.jp/

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 Yokohama International Center (JICA YOKOHAMA)

Address: 2-3-1 Shinkou, Naka-ku, Yokohama-shi, Kanagawa-ken

231-0001, Japan

TEL: 81-45-663-3251 FAX: 81-45-663-3265

(where "81" is the country code for Japan, and "45" is the local area code)

If there is no vacancy at <u>JICA YOKOHAMA</u>, 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 <u>not</u> 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 workshop, and other matters.

V. Other Information

- As an introduction of the program in Japan, participants shall present their Job Report at the beginning of the course. It is encouraged to prepare the Job Report presentation in Power-point presentation format.
- Participants will prepare an action plan and make presentation on it at the end of their training program. The action plan made by the participant is considered as an output of the course.
- Relating to the above 1 and 2, participants are requested to bring to Japan reference materials that will help Job Report presentation and Action Plan preparation. The followings are valuable:
 - The most recent reports and photos of the activities which you are currently engaged in, and other project reports related to the participants' field of study or work.
- Participants and their organizations should make every effort to formulate an appropriate Construction Technology Improvement plan based on the Action Plan and implement it.
- Participants who have successfully completed the program will be awarded a certificate by .IICA
- 6. The purposes of the International Cooperation Program of JICA are not only to share Japanese knowledge, experience and ideas with participating countries, but also to promote mutual understanding between participating countries and Japan. The Japanese government recognizes the importance of citizen participation in its International Cooperation Program and places emphasis on this aspect of the Program. With this objective, JICA collaborates with schools and local governments as well as various kinds of community-based organizations to expose community members to the rich heritages of foreign countries and cultures represented by participants, as a precious first step to promote international exchange and cooperation.

During the stay in Japan, participants might be requested to join such exchange programs. Their active participation and cooperation is highly appreciated.

VI. ANNEX:

NECESSARY CONTENTS OF THE JOB REPORT

All applicants are required to prepare a report providing the information on the following subjects which you are currently engaged in. The Report should be typewritten in double-spaced English on A4 size paper and submitted together with the Nomination Form (Form A2A3). Recommended length of the Report is less than 10 pages (including tables, drawings and pictures).

- Your full name and the name you go by in short. The name of your country, the present organization and your position.
- 2. Your simple business career after the graduation of the university until present.
- 3. Your present organization
 - 1) E-mail address/ address / phone number / facsimile number / of your office.
 - 2) The objectives of the organization, your daily works, etc.
- Please describe the following subjects in your work on the civil engineering problems, if you have such experience.
 - 1) The outline of the project or work you picked up.
 - 2) The outline of the civil engineering problem on the project.
 - 3) The counter measure or the method you took in order to solved the problem.
- Please introduce traditional engineering or technologies which can be applied to your or other countries being implemented in around you.
- Please describe your opinion on the necessary standard and/or system in order to ensure the technology to be introduced in the future.

<NOTE> Each applicant should prepare his/her Job Report on the present situation.

Generally speaking, the content of the Job Report should <u>not be general information on each country but be particular to the experiences and opinions of each applicant.</u>

Participants are to give presentations and to have discussions with each other and lecturers based on their Job Report at the beginning of the course. At that time, it would be appreciated if participants could prepare visual presentation materials by PowerPoint. For the PowerPoint presentations, please bring your presentation materials in the form of CD-ROM or USB flash memory. The time allotted for each presentation is 20 minutes or so.

For Your Reference

.IICA 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, IOCV 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 and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the "adopt and adapt" concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this "adoption and adaptation" process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

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

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



CORRESPONDENCE

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