

No.12040/32/2014-TRG(FTC/IR)  
Government of India  
Ministry of Personnel, Public Grievances and Pensions  
Department of Personnel and Training  
[Training Division]

Block-4, Old JNU Campus  
New Mehrauli Road, New Delhi-67  
Dated -June 27, 2014

**TRAINING CIRCULAR**

**Subject: Group Training Course in "Disaster Management for Landslide and Sediment Related Disasters (triggered by Heavy Rainfall, Earthquake and Volcanic Activity)" to be held in Japan from October 05 to December 20, 2014 under the Technical Cooperation Programme of the Government of Japan.**

The undersigned is directed to state that the Japan International Cooperation Agency (JICA) has invited applications for the above mentioned training programme to be held in Japan from October 05 to December 20, 2014 under the Technical Cooperation Programme of the Government of Japan.

2. The programme aims at prevention/mitigation of sediment-related disasters triggered by heavy rainfall, earthquake and volcanic activity through strengthening of participant's capability on planning of effective countermeasures.
3. The programme is designed for engineer and engineering researcher of such administrative organization as central and local government, governmental agency and/or institute etc. involved in sediment-related disaster prevention/mitigation activities.
4. The applying organizations are expected to select those officers who are engineers and engineering researchers of such administrative organization as Central or Local Government, Governmental Agency or Institute etc with more than 3 years experience in the field of sediment-related disaster prevention/mitigation programme. The nominee should be a university graduate; be fluent in spoken and written English; be in good health (both physically and mentally), not be a part of military service. The candidates should be under forty five (45) years of age (in principle).
5. In addition to above, the following information in respect of the nominated officers may please be mentioned while furnishing the nomination:-
  - a) Whether attended any foreign training programme in the past? If so, the duration/detail thereof;
  - b) Whether cleared from vigilance angle;
  - c) Age;
  - d) Whether working in North East State/J&K;
  - e) A brief in 50-100 words justifying the nomination.
6. The course covers the cost of a round-trip air ticket between international airport designated by JICA and Japan; 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 are not included).

...2/-

7. It is therefore requested that the nomination of suitable candidates may please be forwarded **(in duplicate)** in JICA's prescribed form (available in **persmin.nic.in**→**DOPT**→**Training Wing**→**Circular**→**JICA**) to this Department duly authenticated by the HOD of the concerned department in accordance with the eligibility criteria.

8. The applications should reach this Department through the Administrative Ministry/State Government not later than **July 28, 2014**. Nominations received after the prescribed date will not be considered. The details of the programme 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](mailto:naresh.wadhwa@nic.in)

**Copy to:**

- a) The Secretary, Ministry of Home Affairs, North Block, New Delhi-01,
- b) The Chairman, NDMA Bhawan, A-1, Sufdarjang Enclave, New Delhi-29,
- c) The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, New Delhi-01
- d) The Chief Secretaries to all the State Governments/Union Territories(with request to circulate the same amongst their related Departments/Organizations),
- e) NIC with request to post the circular along with the JICA's circular on this Department's website.



# GROUP AND REGION-FOCUSED TRAINING

GENERAL INFORMATION ON

DISASTER MANAGEMENT FOR LANDSLIDE  
AND SEDIMENT-RELATED DISASTERS  
(TRIGGERED BY HEAVY RAINFALL, EARTHQUAKE  
AND VOLCANIC ACTIVITY)

課題別研修「土砂災害防止マネジメント  
(豪雨、地震、火山噴火起因)」

*JFY 2014*

NO. J1404410 / ID. 1480029

Course Period in Japan: From October 5, 2014 to December 20, 2014

This information pertains to one of the Group and Region-Focused Training 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**

Extreme events of weather and climate are increasing in the frequency and intensity around the world. The modern society exposes to a number of such disasters as landslide and flood due to intensive precipitation at short times and huge tropical cyclone.

Adding to this, earthquakes and volcanic eruptions bring devastating damage to various area of the world every year.

On the other hand, the population of urban and its surrounding area have increased, and many of them live in the high potential area of landslide and slope failure.

The human and economic losses by sediment-related disasters have increased year by year because of the abovementioned social factor together with extreme natural phenomena.

This program aims to ensure capacity development of administrative organizations related to sediment-related disasters prevention/mitigation in its management and programming of structural and non-structural countermeasures.

## **For what?**

This program aims at prevention/mitigation of sediment-related disasters triggered by heavy rainfall, earthquake and volcanic activity through strengthening of participant's capability on planning of effective countermeasures.

## **For whom?**

This program is designed for engineer and engineering researcher of such administrative organization as central and local government, governmental agency and/or institute etc. involved in sediment-related disaster prevention/mitigation activities.

## **How?**

This program consists of 4 components, i.e. (i)general knowledge on administration and activity of disaster prevention/mitigation, (ii)basic and applied technology on countermeasures of sediment-related disasters, (iii)field study of disasters and their countermeasures induced by heavy rain, earthquake and volcanic activity and (iv)exercise on issues related to sediment-related disaster prevention/mitigation.

Participants will be required to make a mid-term report to summarize what they learned in the first half of the training program and a final report in order to turn fully the outcome of the program to routine works of themselves.

## ***II. Description***

**1. Title (J-No.)**

Disaster Management for Landslide and Sediment-related Disasters  
(Triggered by Heavy Rainfall, Earthquake and Volcanic Activity) (J1404410)

**2. Course Period in JAPAN**

October 5 to December 20, 2014

**3. Target Regions or Countries**

Brazil, Comoros, Dominican Republic, India, Malaysia, Mauritius, Papua New Guinea, Peru, Philippines, Sri Lanka and Viet Nam

**4. Eligible / Target Organization**

Organizations involved in sediment-related disaster prevention/mitigation activities

**5. Course Capacity (Upper limit of Participants)**

20 participants

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

English

**7. Course Objective**

Participants of this program are expected to improve their technology on comprehensive sediment management and be able to enhance their capacity on making countermeasures to prevent and/or mitigate the sediment-related disaster caused by heavy rainfall, earthquake and volcanic activity.

**8. Overall Goal**

The quality of countermeasures to sediment-related disaster prevention/mitigation improves in participating countries.

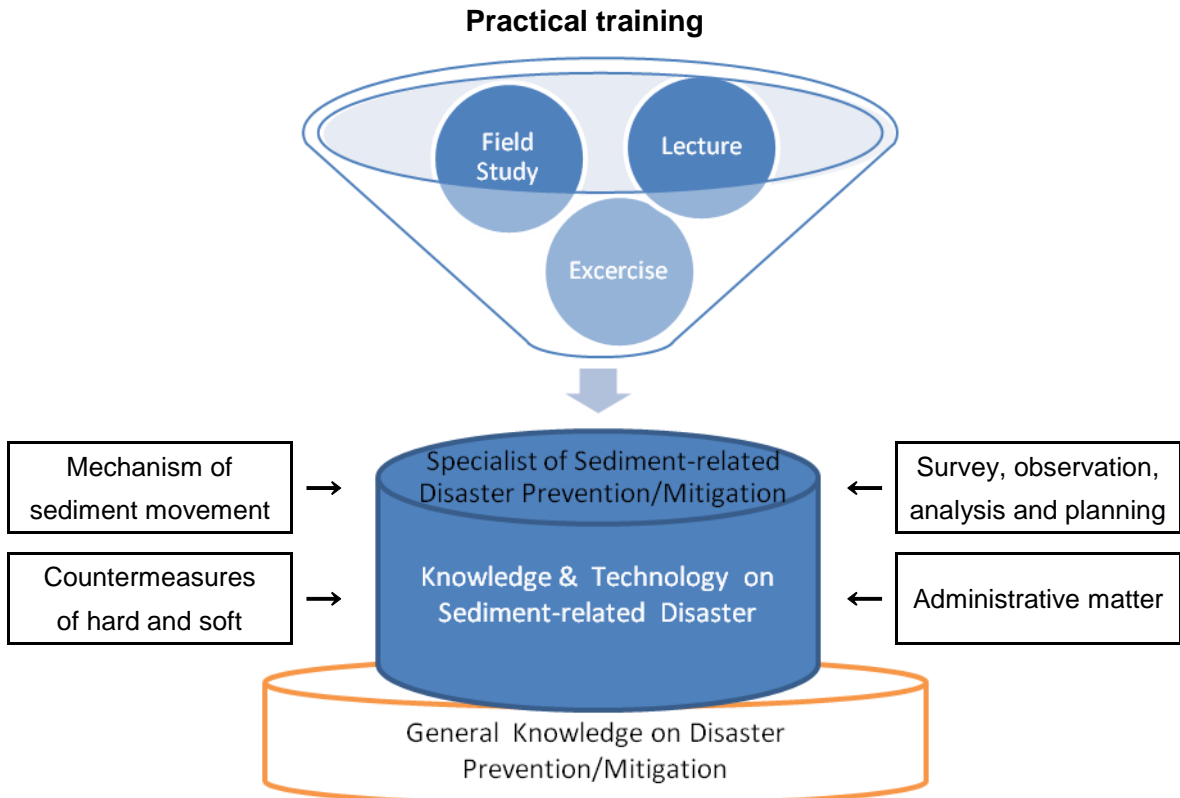
## 9. Expected Module Output and Contents

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

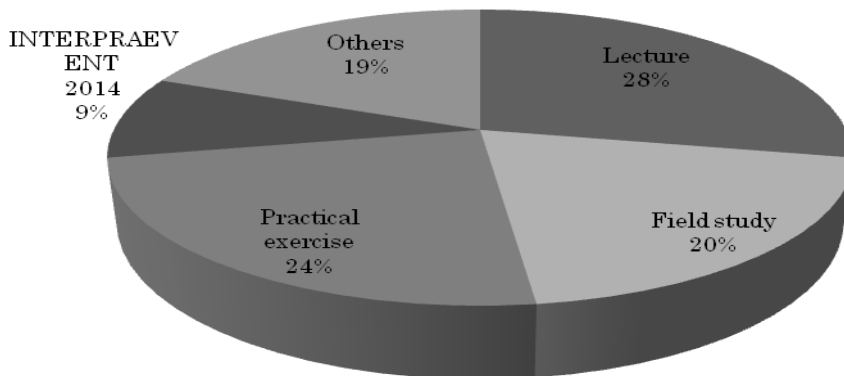
Expected Module Output	Subjects/Agendas	Methodology
<p>1. General knowledge on disaster prevention/mitigation: To understand and be able to explain:</p> <p>(1) general knowledge of disaster prevention/mitigation activities</p> <p>(2) administration of disaster management in consideration of 'Self Help', 'Mutual Help' and 'Public Help'.</p>	<p>(1) General knowledge of disaster prevention/mitigation which are necessary for officers engaged in disaster prevention/mitigation program</p> <ul style="list-style-type: none"> <li>• Disaster administration in Japan</li> <li>• Role of local government in disaster prevention</li> <li>• Education for disaster prevention</li> <li>• Civil society and disaster prevention activities etc.</li> </ul> <p>(2) Field study for better understanding of the contents of lecture</p>	<p>Lecture and field study</p>
<p>2. Basic and applied technology on sediment-related disaster prevention/mitigation: To understand and be able to explain:</p> <p>(1) basic and applied knowledge of erosion and sediment control engineering</p> <p>(2) basic mechanism of sediment-related disaster such as debris flow, landslide etc.</p> <p>(3) structural and non-structural measures for prevention/mitigation of sediment-related disaster</p>	<p>(1) Basic and applied knowledge of Sabo engineering</p> <ul style="list-style-type: none"> <li>• Introduction to Sabo works</li> <li>• Volcanic activities and sediment-related disasters</li> <li>• Prediction of sediment-related disasters and information transmission</li> <li>• Applied hydrology</li> <li>• Mechanism of debris-mud flow</li> <li>• Mechanism of landslide</li> <li>• Designation of restricted area and land use</li> <li>• Utilization of field materials</li> <li>• Countermeasures of natural dam etc.</li> </ul> <p>(2) Structural measures</p> <ul style="list-style-type: none"> <li>• Sabo basic plan for debris flow and woody debris</li> <li>• Sabo planning</li> <li>• Design of Sabo dam etc.</li> </ul> <p>(3) Non-structural measures</p> <ul style="list-style-type: none"> <li>• Slope stabilization and revegetation works</li> <li>• Crisis management on sediment-related disaster etc.</li> </ul> <p>(4) Field study for better understanding of the contents of lecture</p>	<p>Lecture and Field study</p>

<p>3. Exercise: To understand and be able to explain practical countermeasures on sediment-related disaster Prevention/mitigation</p>	<p>(1) Planning and design of Sabo facilities (2) Practical method of field survey on sediment-related disaster (3) Hazard mapping and setting a soil water index</p>	<p>Lecture and practice</p>
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**<Structure of the program>**



**<Component of the program>**



INTERPRAEVENT is the international research society to set up preventive protection against disasters, and to further interdisciplinary research to protect human living space against flooding, debris flow, land-slide, avalanches and rockfall, as well as anthropogenic (man-made) influences and destruction. In November 2014, INTERPRAEVENT hold an international symposium 'Natural Disaster Mitigation to Establish Society with the Resilience' in Nara, Japan. The participants of this program will attend the INTERPRAEVENT 2014 because the contents of it are useful for the participants in line with the purpose of this program.



### **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 operation. Participating 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 program to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) 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.

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

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

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

- 1) Current Duties: be an engineer and engineering researcher of such administrative organization as central and local government, governmental agency and/or institute etc. directly related to sediment-related disaster prevention/mitigation program
- 2) Experience in the relevant field: have more than 3 years' experience in the field of sediment-related disaster prevention/mitigation program
- 3) Educational Background: be a graduate of university
- 4) Language: have a competent command of spoken and written English. This workshop includes active participation in discussions, which requires high competence of English ability.
- 5) Health: must be in good health, both physically and mentally, to participate in the Program in Japan
- 6) Must not be serving any form of military service.

##### **(2) Recommendable Qualifications**

- 1) Age: be under forty five (45) years of age (in principle)

**\* Others:** As this training program includes hard field work, it will be extremely difficult for pregnant women to participate. Therefore, from the aspect of maternal protection, there is a difficulty in acceptance of pregnant applicants

### 3. Required Documents for Application

**(1) Application Form:** The Application Form is available at **the 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 permission of her training participation.

Please ask JICA Staff for the details.

**(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. Procedures for Application and Selection :

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

Closing date for applications to the JICA Center in Japan : **August 8, 2014**

**Note :** After receiving applications, the JICA office (or the Embassy of Japan) will send them to the JICA Center in JAPAN. Therefore **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 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.*

**(3) Notice of Acceptance**

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than September 5, 2014.**

## **5. 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.

**Note:** This training course includes field study in mountainous areas. Therefore, accepted candidates are recommended to bring clothes and shoes suitable for walking and exercise.

## IV. Administrative Arrangements

### 1. Organizer:

- (1) **Name:** JICA Tokyo International Center (JICA Tokyo)  
Economic Infrastructure Development and Environment Division
- (2) **Contact:** tictree@jica.go.jp

### 2. Implementing Partner:

- (1) **Name:** Sabo & Landslide Technical Center (STC)
- (2) **URL:** www.stc.or.jp
- (3) **Remark:** Sabo & Landslide Technical Center is a public service foundation authorized by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT). The main function is consulting service on sabo related works for the government, and R&D in the field of sabo engineering.

### 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:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will 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)
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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/pdf/tic.pdf>

### 5. 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.

**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. ANNEX

### Country Report

Please make the report in **A4 size paper** covering the following items as much as possible. Please send the country report **by August 8, 2014 with application form**. Country report will be assessed for applicants' screening.

### Outline of country report:

Disaster management for landslide and sediment-related disasters  
(triggered by heavy rainfall, earthquake and volcanic activity) (JFY 2014)

## Country Report

### 1. Purpose of the Country Report

The Country Report is basic and essential information for the Japanese lecturers as well as the other participants of this program in order to understand followings as the background information.

- i) the present situation and problem to be solved of participating countries on sediment-related disaster prevention/mitigation
  - ii) the duties of the participants themselves and their offices where they belong.
- Without better understanding of each other, the effective and fruitful training is hardly expected.

### 2. Specification and contents of the Country Report

Applicants are requested to submit the Country Report as follows :

#### (1) Specification

The Country Report should be typewritten in double space on A4 size paper and 10~15 pages in length including charts, figures, maps and photographs.

#### (2) Submission

The Country Report should be submitted together with the Application Form.

#### (3) Contents

The contents of the Country Report should cover the following topics:

- Introduction of themselves (Name, Country, Organization, Position/Title)
- Description of duty of themselves and organization/department/division/section that they belong together with the organization chart
- Administrative structure, relationship and their roles/duties between organizations related to the sediment-related disaster management which includes prevention/mitigation, observation, warning, evacuation, disaster relief etc. of the government as a whole
- Description of debris flow and landslide hazards, and structural/non-structural countermeasures which have been taken in respective countries (3-5 pages)
- Present situation and problems to be solved of the sediment-related disaster management in respective countries

**NOTE:**

1. Those who are accepted to participate in this program will make presentation of their Country Reports at the beginning of the program. For this purpose, participants are highly recommended to bring visual materials for their presentation, i.e. Power Point etc.
2. It is also highly recommended to bring precipitation records (hourly, daily) and topographic maps of the disaster affected area. The participant who brings these data along with him/her is able to plan and design countermeasures of his/her own country making use of these data in the exercise of 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 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***

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

**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**