

Medical Equipment Management Maintenance – from 9th January to 19th March 2017

The Japan International Cooperation Agency (JICA) through the Department of External Resources has invited nominations from eligible government officers on the above programme. A copy of the communication with GI booklet is attached.

Those who are willing to apply follow the instructions and submit their duly filled applications with other relevant documents to reach this office on or before 24th October 2016.

*Director
International Health Unit
Management Development and Planning Unit
Ministry of Health, Nutrition and Indigenous Medicine
“Suwasiripaya”
385, Rev. Baddegama Wimalawansa Thero Mawatha,
Colombo 10*



2 - Annals /
Call
For applications from
B.M.E.S.
13 OCT 2016
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දේශ සම්පත් දෙපාර්තමේන්තුව
புள்ளிநாட்டு வளங்கள் திணைக்களம்
Department of External Resources

ප්‍රතිපත්ති හා ආර්ථික කටයුතු අමාත්‍යාංශය
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செயலகம் (3-ஆம் மாடி), த. பெ. இல. 277, கொழும்பு 00100, இலங்கை
The Ministry of National Policies and Economic Affairs
The Secretariat (3rd 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/1102

මගේ අංකය
உமது இல
Your No.

දිනය
திகதி
Date.

11-10-2016

Secretary, Ministry of Health, Nutrition & Indigenous Medicine
Secretary, Ministry of Provincial Councils and Local Government



Dear Sir/Madam

Medical Equipment Management and Maintenance (D)
From 09th January to 19th March 2017, 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 a nomination 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 25th October 2016.

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. www.erd.gov.lk
2. Copy of the Nominee's English Score Sheet (e.g. TOEFL, TOEIC, IELTS)
3. Inception Report
4. Copy of the relevant pages of the Passport
5. Copies of the certificates of Academic and Professional Qualifications
6. 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.

Your early response in this regard is highly appreciated.

Yours faithfully

Noor Rizna Anees
Noor Rizna Anees
Director / TA & UN Division
for Director General

Copies to: 1. Chief Secretaries, All Provincial Councils
2. Director, Bio-Medical Engineering Services

Pl. submit your applications with the recommendation of the relevant line Ministry

අධ්‍යක්ෂ ජනරාල්
பணிப்பாளர் நாயகம்
Director General

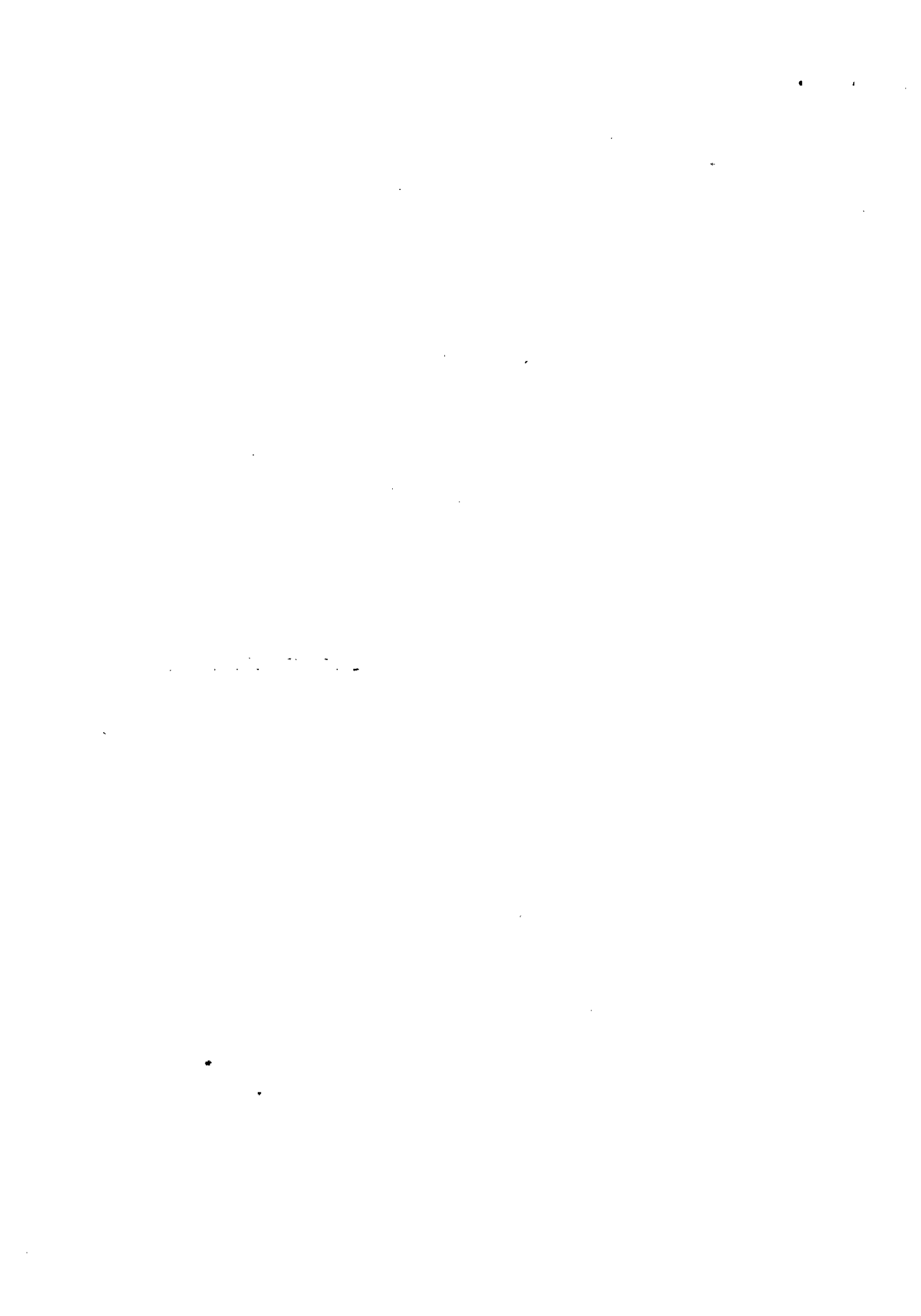
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அலுவலகம்
Office

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தொலை நகல்
Fax

94-11-2447633





Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON
MEDICAL EQUIPMENT MANAGEMENT AND MAINTENANCE (D)
(English/Russian)
課題別研修「医療機材管理・保守(D)(英語・ロシア語)」
JFY 2016
NO. J16-04382 / ID. 1684863
Course Period in Japan: From January 9th, 2017 to March 19th, 2017

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 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.

Deadline of A2A3 application in
JICA Sri Lanka office is 02/11/2016

I. Concept

Background

Developing countries are facing big challenges to establish a sustainable and reliable health service delivery system. The Government of Japan and JICA have supported national hospitals, medical facilities, medical research and educational centers, regional hospitals and rural health centers in developing countries. JICA provided medical equipment to these facilities as part of capacity development in the health sector. In addition, human resource development for management and maintenance of medical equipment is essential in maximizing and sustaining the impact of such assistance the Government of Japan and JICA have provided. From the lessons of the past training programs in medical equipment maintenance, it is critical to upgrade the knowledge and the skills of the engineers who are currently working in the medical equipment management and maintenance field.

This training course is designed for participants from English-speaking and Russian-speaking countries to improve serious shortages of well-trained engineers. The training will provide basic knowledge and technics to maintain medical equipment to raise the quality of medical care in the target countries.

For what?

Proper management and maintenance of medical equipment are critical in delivering effective healthcare services. This training course enables engineers in charge of medical equipment maintenance to acquire electric, electronic and medical engineering skills, as well as the knowledge and the skills on proper handling of medical equipment. The goal is to enable the participants to contribute to raising the medical equipment management and maintenance standards in their home countries.

For whom?

Engineers who are in charge of the management and maintenance of medical equipment at ministry of health, national hospitals, medical research laboratories, medical educational facilities and major regional hospitals in target countries.

How?

The course materials are specially developed for engineers in charge of management and maintenance of medical equipment in target countries, in collaboration with Japanese experts in the field.

II. Description

- 1. Title (J-No.): Medical Equipment Management and Maintenance (D)
(J1604382)**
- 2. Course Period in JAPAN**
January 9 to March 19, 2017
- 3. Target Regions or Countries**
Philippines, Thailand, Cambodia, Myanmar, Mongolia, Bhutan, Sri Lanka, Azerbaijan, Bangladesh, Pakistan, Kazakhstan, Uzbekistan
- 4. Eligible / Target Organization**
This program is designed for personnel from the ministry of health, national hospitals, medical research laboratories, medical educational facilities and major regional hospitals.
- 5. Course Capacity (Upper limit of Participants)**
13 participants
- 6. Language to be used in this program:** English and Russian
- 7. Course Objective:**
The purpose of the course is to improve the knowledge and the skills of government officers and staff members, who are responsible for purchasing, managing and maintaining medical equipment, so that an appropriate level of medical equipment management and maintenance services can be achieved and maintained in the target countries.
- 8. Overall Goal**
Through the course, an appropriate level of medical equipment management and maintenance are continuously provided in the target countries, and the quality of medical services is improved.

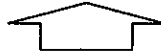
9. Expected Module Output and Contents:

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

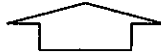
Expected Module Output	Subjects/Agendas	Methodology
1. To understand the current situation and the challenges in the field of medical equipment management and maintenance in participant's home country	(1) Orientation	Lecture
	(2) Inception Report	Lecture and Exercise
	(3) PCM Training	Lecture and Exercise
2. To recognize and compare the differences in the systems between participant's home country and Japan in the field of medical equipment management and maintenance	(1) 5S KAIZEN TQM	Lecture and Exercise
	(2) Inventory practice	Lecture and Exercise
	(3) Standard equipment and materials	Lecture
	(4) Comparison between Japan and participant's home countries	Lecture and Exercise
	(5) Hospital Observation	Lecture Field visit and Exercise
3. To gain basic knowledge of selection, procurement and disposal of medical equipment	(1) Selection, procurement and disposal of medical equipment	Lecture
	(2) Practical procurement of medical equipment	Lecture
	(3) Visit medical equipment manufacturers	Lecture Field visit and Exercise
4. To gain basic knowledge of purchasing, management and maintenance of medical equipment	(1) Principles, structures, and maintenance of medical equipment	Lecture and Exercise
	(2) Medical engineering guidance	Lecture
	(3) Electricity and electronics	Lecture and Exercise
	(4) Preventive maintenance methods	Lecture and Exercise
	(5) Safety inspection methods using MD	Lecture and Exercise
	(6) Developing human resources for medical equipment maintenance	Lecture and Exercise
	(7) Principles, structure, operation and troubleshooting of major equipment	Lecture and Exercise
	(8) Wrap-up and review	Lecture and Exercise
5. To formulate short to mid-term Action Plans to be administered in participant's home country	(1) Methods of present state analysis, planning, implementation and monitoring	Lecture and Exercise
	(2) Formulation and presentation of Action Plan	Lecture and Exercise

<Structure of the program>

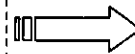
Project Goal
Appropriate maintenance of medical equipment can be conducted continuously throughout the territories of the target countries



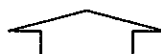
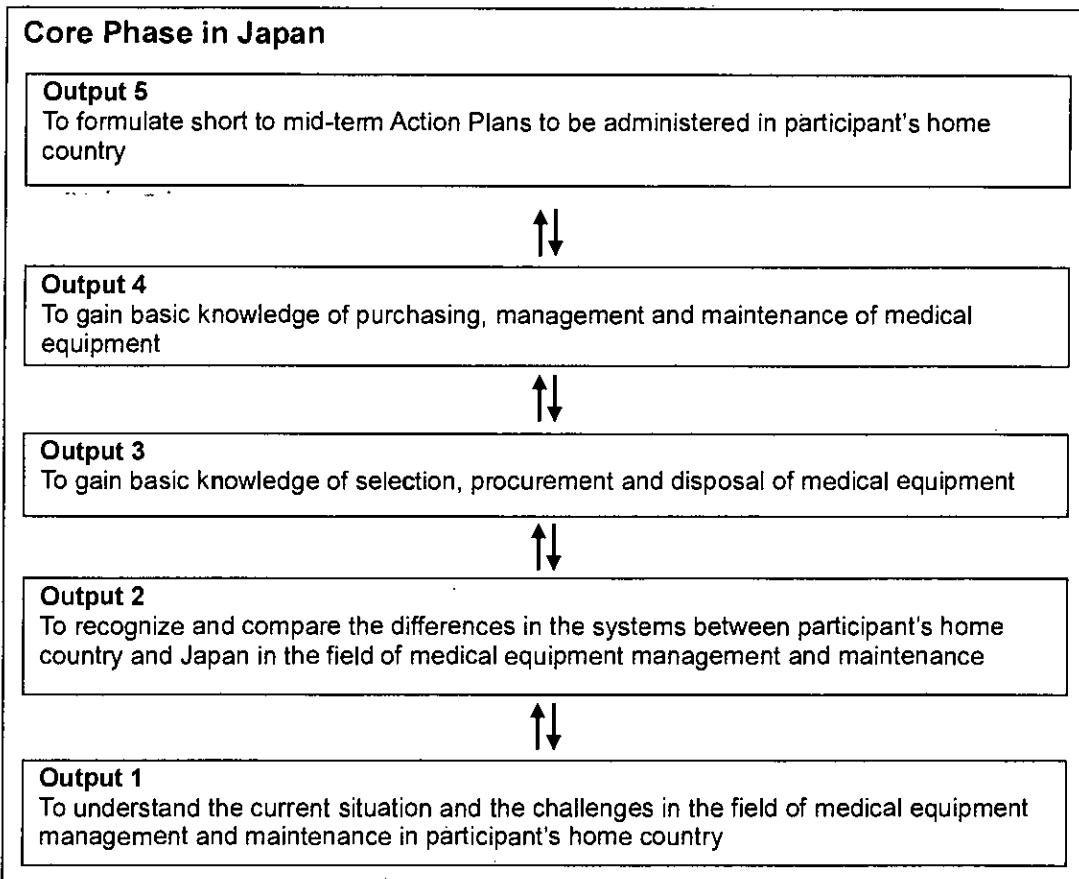
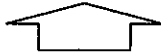
Program Objective
Acquisition of knowledge and skills of medical equipment management and maintenance



Final Phase in participant's home country
Study and improve Action Plans within the participant's organization



Submission of a final report to JICA



Preliminary activities
Summarize current situations and issues related to maintenance of medical equipment in participant's home country (Inception Report)

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 related to medical equipment management and maintenance. The participating organizations are expected to utilize this opportunity to train appropriate personnel in the field.
- (2) The course materials are specially developed, in collaboration with relevant prominent organizations in Japan, to meet the specific needs of participating organizations, so that the organizations can work toward effectively managing the issues and problems related to medical equipment management and maintenance.

2. Nominee Qualifications:

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

(1) Essential Qualifications

- 1) Current Duties: be an engineer in charge of the management and maintenance of medical equipment in the ministry of health, national hospitals, medical research laboratories, medical educational facilities and/or major regional hospitals in target countries
- 2) Experience in the relevant field: have more than 5 years of experience in the field of medical equipment management and maintenance
- 3) Language: have a competent command of spoken and written English or Russian
- 4) Age: must be under 45 years of age
- 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 health risks to the mother and the fetus.

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:** Submit a photocopy of your passport with your application. If you do not own a passport and plan to apply for one, submit its photocopy as soon as you obtain it.

*Photocopy should include the following:

Name, Date of birth, Nationality, Sex, Passport number and Expiration date.

(3) **Inception Report:** to be submitted with the application form. Follow the instruction on ANNEX-I.

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

**Deadline of A2A3 application in
JICA Sri Lanka office is 02/11/2016**

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

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

*The closing date in your country is before the date noted below.

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to JICA Tohoku in JAPAN by November 9, 2016)

(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 JICA Tohoku in Japan. Selection will be made by JICA Tohoku 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**

The JICA office (or the Embassy of Japan) will announce the result of selection on or before December 9, 2016.

5. **Conditions of Attendance:**

- (1) Participants must strictly adhere to the program schedules.
- (2) Participants may not change the program topics.
- (3) Participants may not to extend the period of stay in Japan.
- (4) Participants may not be accompanied by family members during the program.
- (5) Participants must return to thier home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6) Participants must refrain from engaging in any political activities, or any forms of employment for profit or for gain.
- (7) Participants must 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) Participants must observe the rules and regulations of the accommodation and not change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA TOHOKU

(2) **Contact:** Ms. MORI Eriko (thictad@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Medisun, Co., Ltd

(2) **URL:** none

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 covered by JICA.

(2) **Travel Insurance:** Coverage is from the time of arrival in Japan up to departure from 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:

During orientation session (from January 9 to January 12, 2017)

JICA Tokyo International Center (JICA TOKYO)

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

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

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

If there is no vacancy at JICA TOKYO, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL, <http://www.jica.go.jp/english/contact/pdf/tic.pdf>

During technical training (from January 13 to March 17, 2017), the participants are going to stay either at the dormitory located at Medisun Co., Ltd., or at a hotel.

Tel.: 81 (*)-50-6863-5571 (internet telephone)

*See page 12 for details of living arrangement.

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 course materials

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

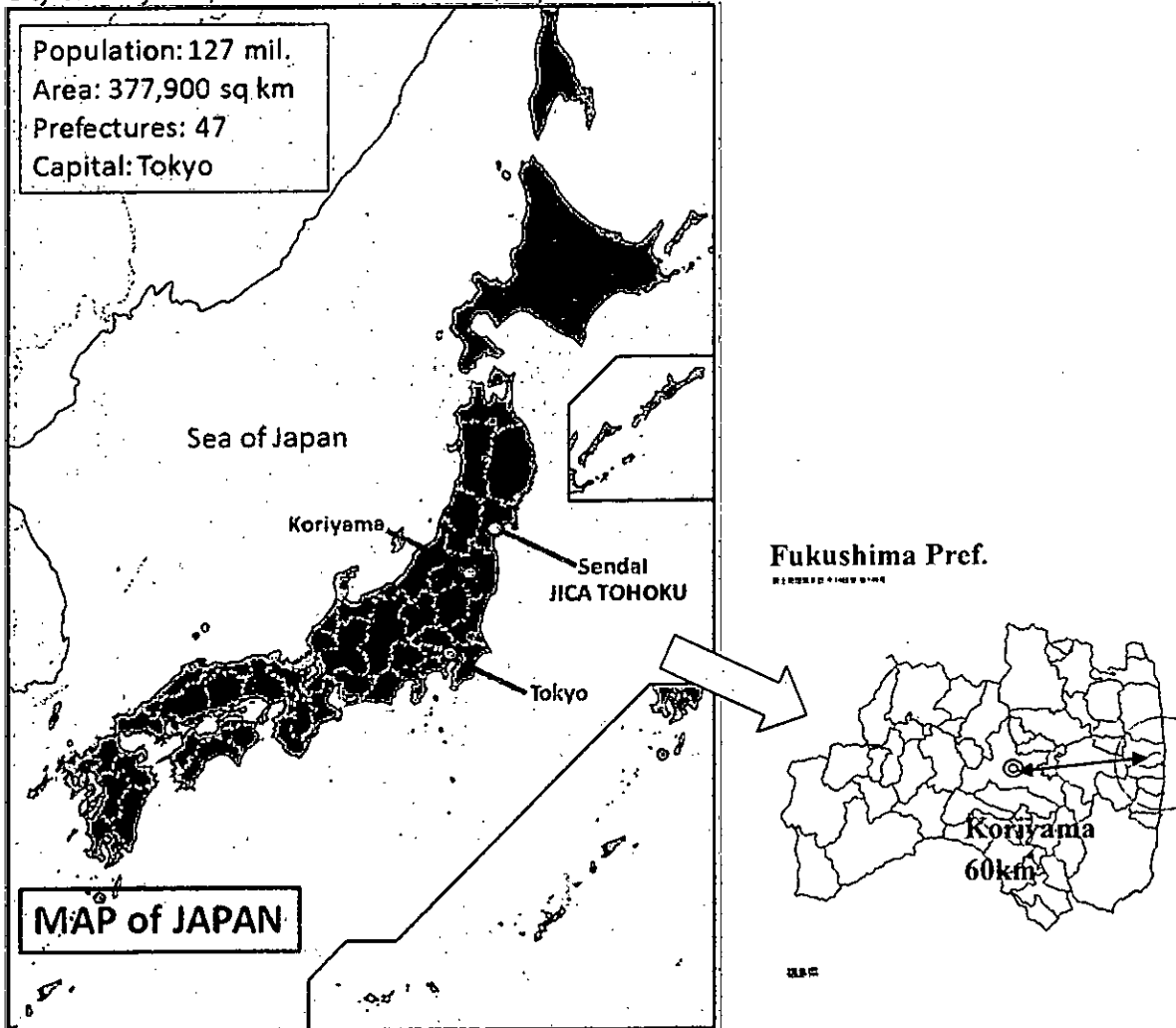
6. Pre-departure Orientation:

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. Other Information

1. Location of the training site

City of Koriyama, Fukushima Prefecture, Japan



Koriyama is around 60km from Fukushima Nuclear Power Plant.

*Website for environmental radioactivity level (in English):

<http://www.mext.go.jp/english/incident/1303959.htm>

2. Climate

Average temperatures and precipitation in Koriyama

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Daily High (°C)	4.4	5.1	8.8	16	21.1	24.3	27.5	29.4	24.7	19	13.1	7.6
Average (°C)	0.8	1.2	4.2	10.3	15.6	19.4	22.9	24.4	20.1	14.1	8.3	3.5
Daily Low (°C)	-2.7	-2.4	-0.1	4.9	10.5	15.3	19.3	20.6	16.3	9.7	3.7	-0.4
Precipitation (mm)	37.4	37.5	70.3	82.8	99.8	127.2	185	152.1	165.1	111.1	62.5	32.6

3. Living Condition

During the training (From January 13 to March 17, 2017) at Medisun Training Center, participants will be accommodated in the dormitory of Medisun Co., LTD.

Each participant will be assigned in a single room with an own bathroom. The dormitory is equipped with a shared kitchen with basic cooking supplies, a refragerator, stove/grill, microwave, oven toaster, rice cooker; a shared laundry room with clothes washers; shared computers with internet access; and a shared phone they can use to make international calls.

The participants are welcome to bring dry foods and ethnic spices, as they will have opportunities to cook on a daily basis. A grocery store is located within a walking distance from the dormitory. Bicycles are available for use, and international calling cards are available for purchase at Medisun.

*There are 10 rooms available in the dormitory at Medisun. In this particular course, there are more than 10 participants. Therefore, some of the participants will be assigned to stay at a nearby hotel instead.



Kitchen



Kitchen Appliances



Laundry Room



Dormitory Room

4. Computers

The participants are recommended to bring thier own laptop/notebook computers (*1) to prepare for Action Plans and presentation slides, and to check personal e-mail.

(*1) Laptop/notebook computers should have antivirus software installed, and must not have file sharing softwares, such as Winny, WinMX, BitTorrent and Gnutella.

5. International Exchange Programs with Local Communities.

JICA encourages international exchanges between JICA participants and local communities. Participants are kindly requested to bring their national costumes and visual aids, such as powerpoint slides, videos and photographs, to introduce their countries.



In Traditional Japanese
Costumes

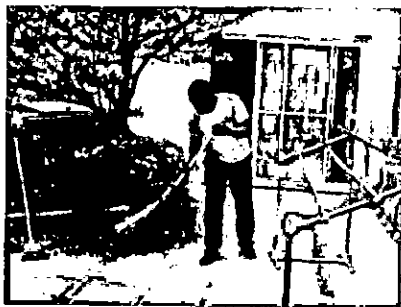


Bicycling under
Cherry Blossoms

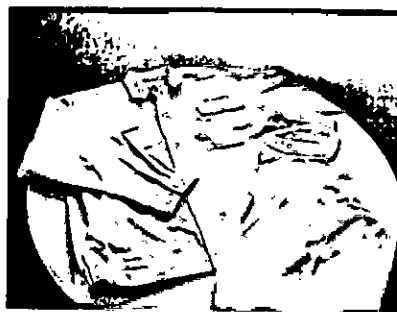
6. The "5S"

The "5S" refer to *Seiri*(sort), *Seiton*(set), *Seiso*(shine), *Seiketsu*(standardize), and *Shitsuke*(sustain). Adherence to the "5S" has effects including those of securing workplace safety, beautifying the workplace, improving business efficiency, and improving workplace morale.

This training course also aims to teach the concept of enacting the "5S". The hosting agency will ask participants to conduct cleaning every morning in order to learn this principle by execution.



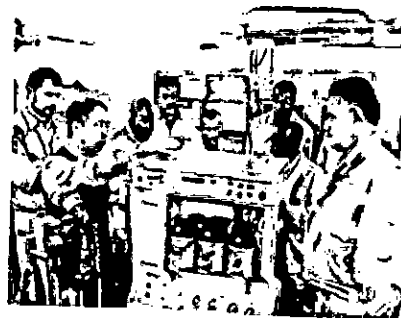
Cleaning the Dormitory



Training Outfit



Classroom at Medisun



Hospital Visit

7. About JICA Tohoku International Center

Website: <http://www.jica.go.jp/tohoku/index.html>

Find us on facebook at <https://www.facebook.com/Jicatohoku>



政府機関・仙台市

4.3 ★★★★★ 閉店・準備中



JICA 東北さんが写真4件を追加しました。
7時間前

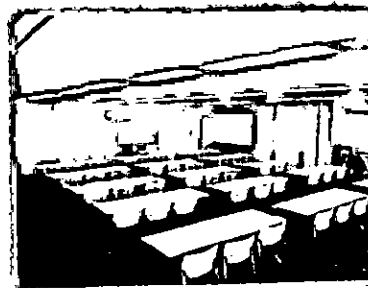
【JICA東北はタワービル20階に移転しました】



JICA Tohoku



JICA Plaza Tohoku



Conference Room

VI. ANNEX-I

Inception Report

(to be submitted with the Application Form)

1. Outline of your organization

- Background, vision, mission statement and organization policy or strategy
- Major projects conducted by your organization (related to health care system)
- Your position and duty within the organization
- Organization chart: Schematic presentation of your organization (Please indicate your present position in the chart).

2. Identify problems and issues in the medical equipment maintenance field.

3. Annual budget

Ministry of Health

Your hospital or organization

Maintenance department

4. Information on educational facilities that teach how to manage and maintain medical equipment.

- Types of institution (Technical college, university etc):
- Name of institution:
- Number of students enrolled:
- Number of teachers:
- Major equipment used:

5. Number of medical equipment maintenance workers in your country

6. Major causes of failures or breakdowns of medical equipment

7. Procurement procedures for spare/replacement parts

8. Names of manufacturers of medical equipment that have local agents in your area

9. **List of medical equipment used at your facility (attach photos).**

10. **Major Japanese medical equipment used in your country**
(equipment name, manufacturer, model)

Note:

The deadline to submit your Inception Report to JICA is **November 9, 2016**.
Inception Report is part of the application, and it will be used to screen applicants.

Application forms without Inception Report will be rejected.

The Inception Report is going to be the base for your Action Plan, which is to be presented at the end of the course. Therefore, we encourage you to discuss the content with your supervisors and colleagues.

In addition, there will be a time to present your Inception Report at the beginning of the course.

VI. ANNEX-II:

Sample Course Schedules and Curriculum

Medical Equipment Maintenance Course

Date	Day	Morning (8:30~11:30)		Afternoon (13:00~17:00)	
		Contents	Lecturer	Contents	Lecturer
6/7	Sun	Arrive in Tokyo			
6/8	Mon	Briefing (Seminar Room 304, 3rd floor of JICA TIC) 12:30pm			
6/9	Tue	General Orientation (Seminar Room 411 4th floor)		General Orientation (Seminar Room 411 4th floor)	
6/10	Wed	9:00am Move by bus JICA Tokyo— Medisun, Koriyama City		13:30pm Life Guidance	Ms. Nishizake
6/11	Thu	Opening Ceremony (8:30-9:00), Orientation (Program Contents, Schedule)	Mr. Hamada	Medical Engineering Guidance	Mr. Ouchi
6/12	Fri	Microbiology, Sterilization and Disinfection	Mr. Ouchi	Courtesy Call to Mayor (12:50-)/ Japanese Class (Ms. Nagashima)	Mr. Ouchi, Ms. Nishizake/ Ms. Nagashima
6/13	Sat	Japanese Class (Ms. Nagashima)	Ms. Nagashima	Holiday	
6/14	Sun	Holiday		Holiday	
6/15	Mon	Web Document Retrieval (Including operation of basic software)	Ms. Kennai	Submission of Inception Report	Ms. Kennai
6/16	Tue	Practice on Electric and Electronic Circuit	Mr. Ouchi	Practice on Electric and Electronic Circuit	Mr. Ouchi
6/17	Wed	Medical Engineering (Material Engineering)	Mr. Ouchi	Formulation of Action Plan/ Japanese Class (Ms. Nagashima)	Ms. Kennai/ Ms. Nagashima
6/18	Thu	Medical Engineering (Bio-physics)	Mr. Ouchi, Ms. Kennai	Medical Engineering (Bio-physics)/ Japanese Class (Ms. Nagashima)	Mr. Ouchi, Ms. Kennai/ Ms. Nagashima
6/19	Fri	Medical Engineering (Bio Instrumentation)	Mr. Ouchi, Ms. Kennai	Medical Engineering (Bio Instrumentation)/ Japanese Class (Ms. Nagashima)	Mr. Ouchi, Ms. Kennai/ Ms. Nagashima
6/20	Sat	Holiday		Holiday	
6/21	Sun	Holiday		Holiday	
6/22	Mon	Medical Engineering Practice (Safety Management)	Mr. Ouchi, Ms. Hennai	Hospital medical gas and safety of electrical equipment	Mr. Ouchi, Ms. Kennai
6/23	Tue	Cardiac Electrophysiology	Mr. Ouchi	Introduction to Clinical Examination	Mr. Ouchi
6/24	Wed	Management of Medical Equipment in a Hospital, Visit to Faculty of Engineering, Nihon University	Prof. Inlani (Mr. Hamada, Ms. Nishizake)	Water Sterilizer, Surgical Table, Refrigerator, Shadowless lamp	Mr. Ouchi, Ms. Kennai
6/25	Thu	CSSD (high pressure steam sterilizer).	Mr. Ouchi	CSSD (small, medium steam sterilizer)/ Japanese Class (Ms. Nagashima)	Mr. Ouchi/ Ms. Nagashima
6/26	Fri	Infusion pump and Syringe pump	Ms. Hennai	Formulation of Action Plan/ Japanese Class (Ms. Nagashima)	Ms. Hennai/ Ms. Nagashima
6/27	Sat	Holiday		Holiday	
6/28	Sun	Holiday		Move: Koriyama City to Chikuma City (by train)	Mr. Hamada
6/29	Mon	Sakura Seiki Education Center (steam sterilizer)	Mr. Shironouchi	Sakura Seiki Education Center (steam sterilizer)	Mr. Shironouchi
6/30	Tue	Sakura Seiki Education Center (steam sterilizer)	Mr. Shironouchi	Sakura Seiki Education Center (steam sterilizer)	Mr. Shironouchi
7/1	Wed	Sakura Seiki Education Center (steam sterilizer)	Mr. Shironouchi	Sakura Seiki Education Center (Ultrasonic washer)	Mr. Shironouchi
7/2	Thu	Sakura Seiki Education Center (pathological equipment)	Mr. Shironouchi	Sakura Seiki Education Center (pathological equipment)	Mr. Shironouchi
7/3	Fri	Visit to Kubota Company (Centrifugal Separator) (10:30-12:00)	Mr. Hamada	Move: Fujikawa City to Koriyama City (by bus)	
7/4	Sat	Holiday		Holiday	
7/5	Sun	Holiday		Holiday	
7/6	Mon	Nihon Kohden: ECG	Mr. Iwazumi, Mr. Ogawa	Nihon Kohden: ECG	Mr. Iwazumi, Mr. Ogawa
7/7	Tue	Nihon Kohden: patient monitor	Mr. Iwazumi, Mr. Ogawa	Nihon Kohden: patient monitor	Mr. Iwazumi, Mr. Ogawa
7/8	Wed	Nihon Kohden: Defibrillator	Mr. Iwazumi, Mr. Ogawa	Nihon Kohden: Defibrillator	Mr. Iwazumi, Mr. Ogawa
7/9	Thu	Total Quality Control in Medical Sector Improvement on Work Environment	Prof. Henda	Total Quality Control in Medical Sector Improvement on Work Environment	Prof. Henda
7/10	Fri	PCM method	Prof. Henda	PCM method	Prof. Henda
7/11	Sat	PCM method	Prof. Henda	PCM method	Prof. Henda
7/12	Sun	Holiday		Holiday	

7/13	Mon	Holiday		Holiday	
7/14	Tue	Laboratory Equipment (spectrophotometer)	Mr. Ouchi, Ms. Konnai	Spectrophotometer / Midterm Evaluation Meeting (15:30-16:30)	Mr. Ouchi, JICA
7/15	Wed	Human Resource Development of Bio-medical engineer	Mr. Ouchi	Hospital Visit I: Hoshi General Hospital	Mr. Homoda, Ms. Nishizaka
7/16	Thu	Visit II: Fukushima Prefectural Medical University Hospital	Mr. Hamada, Ms. Konnai	Visit II: Fukushima Prefectural Medical University Hospital	Mr. Hamada, Ms. Konnai
7/17	Fri	Preventive Maintenance	Mr. Ouchi, Ms. Konnai	Preventive Maintenance	Mr. Ouchi, Ms. Konnai
7/18	Sat	Fukushima Tsur (Nunabiki Wind Power Plant, Urabandai (Lunch))	Ms. Nishizaka	Tour (Dr. Hideyo Noguchi Memorial Museum, Tsurugajo Castle)	Ms. Nishizaka
7/19	Sun	Holiday		Holiday	
7/20	Mon	Radiological Equipment	Mr. Nakabayashi, Mr. Ouchi	Radiological Equipment	Mr. Nakabayashi, Mr. Ouchi
7/21	Tue	Radiological Equipment	Mr. Nakabayashi, Mr. Ouchi	Radiological Equipment	Mr. Nakabayashi, Mr. Ouchi
7/22	Wed	Acoma : Anesthetic machine, Ventilator, Electrosurgical Unit	Mr. Amano, Mr. Ohuchi	Acoma : Anesthetic machine, Ventilator, Electrosurgical Unit	Mr. Amano, Mr. Ohuchi
7/23	Thu	Acoma : Anesthetic machine, Ventilator, Electrosurgical Unit	Mr. Amano, Mr. Ohuchi	Acoma : Anesthetic machine, Ventilator, Electrosurgical Unit	Mr. Amano, Mr. Ohuchi
7/24	Fri	Move to ACOMA by bus	Mr. Ohuchi	Visit to ACOMA Omiya Factory, Training Center Visit (13:00-) Move: ACOMA → JICA Tokyo (TIC)	Mr. Hamada, Mr. Ohuchi
7/25	Sat	Move to Kyoto	Mr. Hamada, Mr. Ohuchi	Move to Kyoto	Mr. Hamada, Mr. Ohuchi
7/26	Sun	Visit to Shimadzu Memorial Museum	Mr. Hamada, Mr. Ohuchi	Sightseeing in Kyoto	Mr. Hamada, Mr. Ohuchi
7/27	Mon	Visit to Merita Corporation (dental equipment and materials)	Mr. Hamada, Mr. Ohuchi	Visit to Shimadzu Medical Center move: Kyoto to Kebe city by bus	Mr. Hamada, Mr. Ohuchi
7/28	Tue	Visit to Sysmax Corporation i-Square, Solution Center	Mr. Hamada, Mr. Ohuchi	Visit to Sysmax Corporation i-Square, Solution Center	Mr. Hamada, Mr. Ohuchi
7/29	Wed	Move: ShinKobe → Tokyo → Akihabara → Kashiwanoha	Mr. Hamada, Mr. Ohuchi	Move: ShinKobe → Tokyo → Akihabara → Kashiwanoha	Mr. Hamada, Mr. Ohuchi
7/30	Thu	Hitachi Medical Corporation: Ultrasound Scanner	Sakamoto, (Mr. Hamada, Mr. Ohuchi)	Hitachi Medical Corporation: Ultrasound Scanner	Sakamoto, (Mr. Hamada, Mr. Ohuchi)
7/31	Fri	Plant Observation & Kashiwa Medical Forum X-ray, CT, MRI	Sakamoto, (Mr. Hamada, Mr. Ohuchi)	Hitachi Medical Corporation Ultrasound Scanner	Sakamoto, (Mr. Hamada, Mr. Ohuchi)
8/1	Sat	Move: Kashiwa to Medisun (Kariyama City) by bus	Mr. Ohuchi	Move: Kashiwa to Medisun (Kariyama City) by bus.	Mr. Ohuchi
8/2	Sun	Holiday		Holiday	
8/3	Mon	INAMI Co.: Silt Lamp, Applanation Tonometer, Lensmeter	Mr. Kuroki, Mr. Watanabe	INAMI Co.: Silt Lamp, Applanation Tonometer, Lensmeter	Mr. Kuroki, Mr. Watanabe
8/4	Tue	INAMI Co.: Silt Lamp, Applanation Tonometer, Lensmeter	Mr. Kuroki, Mr. Watanabe	INAMI Co.: Silt Lamp, Applanation Tonometer, Lensmeter	Mr. Kuroki, Mr. Watanabe
8/5	Wed	Troubleshooting	Mr. Ouchi, Ms. Konnai	Formulation of Action Plan	Mr. Ouchi, Ms. Konnai
8/6	Thu	Sysmax: XP-300 (hematology analyzer)	Mr. Hirata, Mr. Murakami	Sysmax: XP-300 (hematology analyzer)	Mr. Hirata, Mr. Murakami
8/7	Fri	Sysmax: XP-300 (hematology analyzer)	Mr. Hirata, Mr. Murakami	Sysmax: XP-300 (hematology analyzer)	Mr. Hirata, Mr. Murakami
8/8	Sat	Holiday		Holiday	
8/9	Sun	Holiday		Holiday	
8/10	Mon	Laboratory Equipment (Water Distiller, Centrifugal Separator)	Mr. Ouchi	Laboratory Equipment (Electrolyte analyzer)	Mr. Ouchi
8/11	Tue	Pulse Oximeter and Nebulizer	Ms. Konnai	Infant incubator	Ms. Konnai
8/12	Wed	Assembling of Electronic Device (Digital Multimeter)	Mr. Ouchi	Safety Check (Measuring of Leakage Current by MD)	Mr. Ouchi
8/13	Thu	Formulation of Action Plan	Ms. Konnai	Formulation of Action Plan	Ms. Konnai
8/14	Fri	Medical equipment selection, purchase and disposal	Mr. Ouchi, Ms. Konnai	Formulation of Inventory List	Mr. Ouchi, Ms. Konnai
8/15	Sat	Holiday		Holiday	
8/16	Sun	Holiday		Holiday	
8/17	Mon	Formulation of Action Plan and Technology Transfer	Mr. Ouchi, Ms. Konnai	Formulation of Action Plan and Technology Transfer	Mr. Ouchi, Ms. Konnai
8/18	Tue	PRESENTATION OF ACTION PLAN	JICA Participants	PRESENTATION OF ACTION PLAN Evaluation Meeting, Closing Ceremony, Farewell Party	JICA & Medisun staff
8/19	Wed	Move: Kariyama → JICA Tokyo International Center by bus	CDN		
8/20	Thu	Departure			

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 is 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 the Japanese systems, so that integration of their findings might help them reach their developmental objectives.



CORRESPONDENCE

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