



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

## GENERAL INFORMATION ON

### RESCUE TECHNIQUES 課題別研修「救急救助技術」 JFY2020

NO. 201902298J001 / ID. 201902298

Course Period in Japan: From May 7<sup>th</sup> 2020 to July 11<sup>th</sup> 2020

This information pertains to one of the JICA Knowledge Co-Creation Programs (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 (KCC) Program' as a New Start

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

# **I. Concept**

## **Background**

The whole world suffers from various natural disasters such as earthquake, flood, landslides and so on. Industrial and traffic accidents, and fire are also the frequent threats for the citizens. Such disasters tend to occur severely and diversely especially in developing countries due to rapid increase of population, rapid urbanization and economic development while countermeasure to protect citizens are underdeveloped. Therefore, in response, it is strongly required to improve the rescue techniques in developing countries.

In 2005, “Hyogo Framework for Action 2005-2015(HFA)” was adopted at the Second UN World Conference on Disaster Reduction held in Kobe, the stricken area of the Great Hanshin-Awaji Earthquake. In the HFA, as a priority action, the importance of preparing the method and system in advance for emergency response was emphasized.

In 2015, “The Sendai Framework for Disaster Risk Reduction 2015-2030” was adopted at the Third UN World Conference on Disaster Risk Reduction in Sendai, Japan. To attain the expected outcome of the Sendai Framework, “the substantial reduction of disaster risk and losses in lives, livelihoods and health,” in relation to the “Priority 4: Enhancing disaster preparedness for effective response and to Build Back Better in recovery, rehabilitation and reconstruction,” the importance such as “to train the existing workforce and voluntary workers in disaster response and strengthen technical and logistical capacities to ensure better response in emergencies” and “technology transfer and capacity building from developed countries and partners” are emphasized.

This program aims to contribute to improvement of basic emergency rescue techniques and spread them in participants’ countries based on the experiences how Japan has dealt with emergency situations.

This program also aims to transfer knowledge and skills through actual physical training to help and give the first aid to victims who can not escape or evacuate on their own by using various rescue techniques.

## **Sustainable Development Goals (SDGs)**

The United Nations Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development were adopted by world leaders in September 2015 and the Agenda call for action by all countries. As a development cooperation agency, JICA has been committed to achieving the SDGs. This program especially contributes to realize the goal 11 “Make cities and human settlements inclusive, safe, resilient and sustainable” by improving rescue technique skills in participating countries.



### **For what?**

Participants will formulate a human resource development plan relating to emergency rescue technique improvement and spread the techniques as a leader in their organizations.

### **For whom?**

This program is designed for officials who are in a position to take leadership and/or instruct on emergency rescue techniques (in future) at fire academy or at fire service department.

### **How?**

This program consists of both lectures and practical training which is quite physically tough. Participants will have opportunities to learn a lot of information about the organizations and systems of emergency rescue services as well as the current status of disasters response in Japan through lectures, site visits, etc.

Participants will also formulate an action plan describing what the participant will do after they go back to home country by putting the knowledge and ideas acquired and discussed in Japan into their on-going activities.

## ***II. Description***

**1. Title (J-No.): RESCUE TECHNIQUES (201902298-J001)**

**2. Course Period in JAPAN**

From May 7th 2020 to July 11th 2020

**3. Target Regions or Countries**

Myanmar, Bangladesh, Fiji, Papua New Guinea, Brazil, Iran, Egypt, Gambia, South Africa, Georgia

**4. Eligible / Target Organization**

This program is intended for governmental organizations in charge of rescue operations.

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

10 participants

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

**7. Objective:**

Participants will formulate a human resource development plan relating to emergency rescue technique improvement in their organizations.

**8. Overall Goal**

Emergency rescue techniques in the participants' organizations are improved through implementation of action plan.

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

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

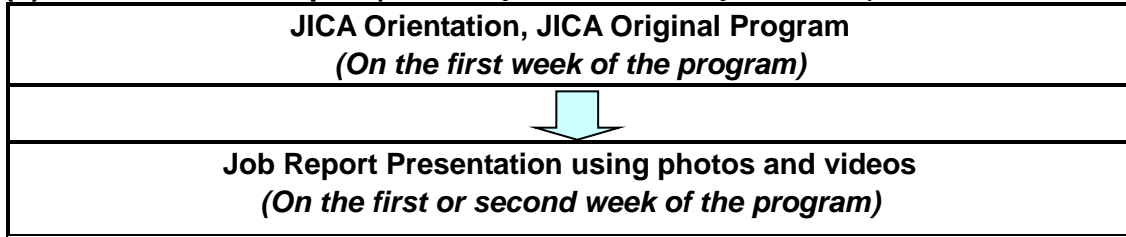
**9-1) Flowchart of the program**

**\*Note; The program is subject to change.**

**(1) Preliminary Phase in participant's home countries. (by May 7th 2020)**

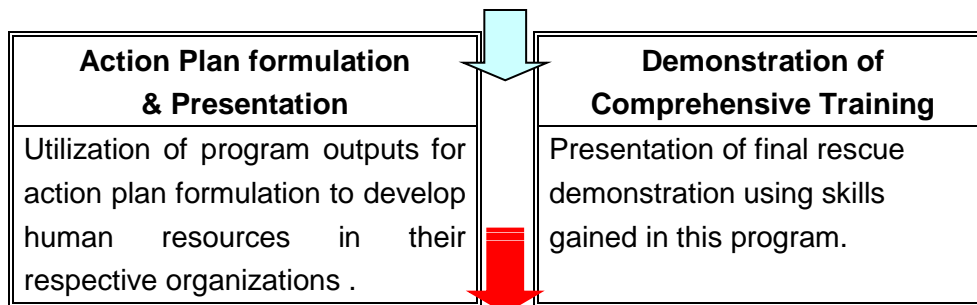
- 1) The accepted participants are requested to prepare a Job Report and submit it to JICA **by April 17th 2020.** (Please see ANNEX II for more information.)
- 2) Textbooks and a DVD will be distributed to the accepted participants in advance. The required training should be conducted before arriving in Japan.

**(2) Core Phase in Japan (From May 7th 2020 to July 11th 2020)**



**Acquisition of knowledge of Japanese Fire Defense Services and Skills of  
Basic Rescue Techniques through lectures, practical trainings, observation and discussion**

- 1) Acquiring basic knowledge and skills to **rescue** people from life-threatening physical danger caused by disasters or accidents such as earthquakes, fires, and industrial or traffic accidents by means of various rescue technique.
- 2) Acquiring basic knowledge and skills of **first aid**, such as artificial respiration, cardiopulmonary resuscitation, hemostat, and immobilization of victims in the disaster or accident. Also acquiring knowledge and skills to observe high energy trauma and total spinal immobilization.
- 3) Gaining necessary knowledge to be **a leader** of the rescue service.  
(Including the concepts of community based disaster risk reduction and the needs of self-help and mutual-help)
- 4) Gaining necessary knowledge and leadership to be **a commander** at disaster site.



**(3) Finalization Phase in participant's home countries**

*(July 2020 to July 2021)*

- 1) Participants will finalize draft action plans after the consultation with their organizations and pertinent organizations, and will implement them as leaders or instructors.
- 2) **A progress report on the result of implementation of the Action Plans for human resource development is to be produced and submitted to JICA within 12 months after this program.**

Notice: Submission of report allows Japanese interested parties (mainly Osaka Municipal Fire Department and JICA) to confirm the result of the training and to implement complementary assistance where necessary. Therefore, submission of report is strongly recommended. Please be noted that submission or non-submission of report would be duly considered for allocating the program and/or selecting participants from the countries and organizations in the future.

**9-2) Curriculum \*Curriculum may be subject to change**

Subject		Details	Number of Days	
Supplementary Subjects	Briefing, Orientation, General Information of Japan and Japanese language	Briefing, Orientation, etc.	2	
	Exchange of opinions	Job Report presentation, Workshop, Final Report (Action Plan) making (including formulating a human resource development plan or training plan, etc.), Final Report presentation	3	
	Others	Opening Ceremony, Evaluation Meeting, Closing Ceremony, etc.	1	
Lectures	Rescue outline	Rescue Service and Command System, Safety management, Handling of Rescue Equipment, Situation of emergency incidents in Osaka City Command and Information System in OMF	2	
		Disaster Management in Japan Japanese Fire Service System, Disaster Management Administration	1	
	Emergency outline	Ambulance Service System, Primary Observation and Emergency Medical Treatment, Pre-Hospital Trauma Assessment	2.5	
		Medical Knowledge Necessary for Rescue Team	1	
	Disaster Countermeasures	Response of the large scale disasters Great Hanshin Awaji Earthquake in Kobe city	1	
		Overview of Community-Based Fire Drill	0.5	
	JDR	Japan Disaster Relief	0.5	
Main Coursework	Rescue techniques	Discipline Training	Regulation/Code of Conduct Training	0.5
		Basic Rescue techniques	Rope work, Signaling, Extrication of victims, Entry (Descending, Climbing, Crossing), Belay (Shoulder belay, Waist belay), 3-extension ladder, BA check and handling, Handling tools and equipments, Anchor system (sling rope, sling, back-up for anchor point)	7
		Rescue Techniques-Application	Emergency ladder method, Extrication in car accident, High and Low angle rescue including preparation for basket stretcher, Ladder crane method	7
		Mountain rescue training		2
		Rescue training in large-scaled disaster		2

		Water Rescue	1
	Emergency techniques	Inspection methods, Clearing of air passage, Artificial respiration, Cardiopulmonary resuscitation, Bandaging technique, Transportation/carrying methods, Methods to stop bleeding, Immobilization techniques, Management of victims	2
	Scenario Planning and Training	Scenario Planning and Training	2
	Trainers' training	Trainers' training-procedure	3.0
	Practical training at fire department	Practical training at fire department	0.5
	Comprehensive Training	Rehearsal, Comprehensive Training	2.5
Observation, etc.	Disaster Affected Area	Disaster Affected Area by major earthquakes	0.5
	Observation	Marine Fire Station	0.5
		Aviation Rescue Corp	0.5
		Fire and Disaster Management College	0.5
	Facility observation	Kyoto City Fire Service Center	0.5
		Disaster Risk Reduction Center	0.5
	Evacuation Drill	How to Instruct Evacuation Drill to Primary School Students, Evacuation Drill in Primary School	1
Total			48
Notice; The number of days does not include holidays, etc.			

#### 10. Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the program further. Please note that the support shall be extended selectively based on the proposals from the participating organizations.

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

#### **1. Expectations for 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 utilize 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.

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

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

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

- 1) **Current Duties:** Be in a position to instruct on emergency rescue techniques and/or expected to be the leader in the near future at a dept./academy of fire, rescue, civil protection, etc., and will be able to widely spread knowledge and skills obtained in this program in their own countries.
- 2) **Experience in the relevant field:** Have at least three (3)-year experiences in rescue operations, and are currently engaged in the operations.
- 3) **Language:** Have sufficient command of spoken and written English as well as have sufficient familiarity with the technical terminology of fire fighting and rescue techniques(Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible).
- 4) **Health:** Must be in good health, both physically and mentally, to participate in the program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.
- 5) **Others:** Have the following skills;
  - (a) Knots and hitches ropes skill. Especially following 6 knots and hitches ropes skills are required; 1.Square knot, 2.Loop knot, 3.Bowline on a Bight, 4.Clove Hitch, 5.Bowline knot and 6.Round Turn and Two Half Hitches. A textbook regarding hitches ropes skills is going to be sent by e-mail to accepted participants.
  - (b) Able to swim more than 25 meters and tread water for 1 minutes.
  - (c) Have mastered the three-point procedure for building entry via ladder showed in ANNEX III.

Notice: (a) Knots and hitches ropes skill; A test will be conducted after arrival in Japan. If the result of the test is at a very low level, the participant would be required to quit



the participation for this program for safety reason. A self-training using DVD and textbook is highly recommended before participating training.

(c) Accepted participants who are not confident enough to swim are strongly recommended to practice swimming before coming to Japan,

**(2) Recommended Qualifications:**

- 1) **Age:** Be in principle under age 40 and physically capable of going through rescue training practices.
- 2) **Gender Consideration:** JICA is promoting gender equality. Women are encouraged to apply for the program.

**3. Required Documents for Application**

- (1) Application Form:** The Application Form is available at **the JICA office (or the Embassy of Japan)**.
- (2) Photocopy of passport:** to be submitted with the Application Form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.  
\*Photocopy should include the followings:  
Name, Date of birth, Nationality, Sex, Passport number and Expiry date
- (3) Nominee's English Score Sheet (photocopy):** to be submitted with the Application Form, if you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS).
- (4) Questionnaire:** Fill in Attachment (**ANNEX I**) of this General Information.  
Each participant is required to submit a Questionnaire together with Application Form. Questionnaire will be used for screening of applicants, and applications without completed Questionnaire will not be considered as duly qualified.

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

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

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

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN by March 19<sup>th</sup> 2020.**)

**(2) Selection:**

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

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

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

Notification of results will be made by the JICA office (or the Embassy of Japan) not later than **April 3<sup>rd</sup> 2020.**

## **5. Documents to be submitted by accepted participants**

### **(1) Job Report and Basic Information:**

Accepted participants are requested to prepare a job report in accordance with the format in English indicated in the ANNEX II and send it to the following address **by April 17<sup>th</sup> 2020.**

(E-mail: [Uda.Ayaka.2@jica.go.jp](mailto:Uda.Ayaka.2@jica.go.jp))

1. Please mention about this program title “Rescue Techniques 2020”, Your name and Country when you send an e-mail.
2. All the documents should be filled in BLOCK LETTER, NOT in RUNNING HAND
3. The size of email should be less than 3MB.

### **(2) Pre-departure Training:**

Furthermore, a self - training textbook and DVD “RESCUE TECHNIQUES” will be sent to the accepted participants. The required training should be conducted before coming to Japan.

## **6. Conditions for Attendance:**

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

## IV. Administrative Arrangements

### 1. Organizer:

(1) **Name:** JICA Kansai

(2) **Contact:** Ms. Ayaka UDA

(Uda.Ayaka.2@jica.go.jp and jicaksic-unit@jica.go.jp)

### 2. Implementing Partner:

(1)**Name:** Osaka Municipal Fire Department

(2)**Address:** 1-12-54 Kujo-Minami, Nishi-ku, Osaka 550-8566, Japan

(3)**URL:** <http://www.city.osaka.lg.jp/contents/wdu020/shobo/english/index.html>

### 3. Travel to Japan:

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

(2) **Travel Insurance:** 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 Kansai Center (JICA Kansai)

Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan

TEL: 81-78-261-0386/0341 FAX: 81-78-261-0465

(where “81” is the country code for Japan, and “78” is the local area code)

If there is no vacancy at JICA Kansai, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of JICA Kansai at its URL, <https://www.jica.go.jp/kansai/english/office/index.html>

### 5. Expenses:

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

(1) Allowances for 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, and 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 Embassy of Japan), to provide participants with details on travel to Japan, conditions

of the participation in the program, and other matters.

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

1. Participants who have successfully completed the program will be awarded a certificate by JICA.
2. For the promotion of mutual friendship, JICA Kansai encourages international exchange between JICA participants and local communities, including school and university students as a part of development education program. JICA participants are expected to contribute by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home country.
3. Participants are recommended to bring laptop computers for your convenience, if possible. During the program, participants are required to work on the computers, including preparation of Action Plan(AP), etc. Most of the accommodations have internet access. Also, there is a computer room in JICA Kansai where 6 desk-top computers are available with internet access.
4. Allowances, such as for living, outfit and shipping, will be deposited to your temporary bank account (opened by JICA) 2 to 5 days after your arrival in Japan. It is highly advised to bring some cash in order to cover necessary expense for this period.
5. It is very important that some of your currency must be exchanged to Japanese Yen at any transit airport or Kansai International Airport (KIX) in Osaka, Japan soon after your arrival. It is quite difficult to exchange money after that, due to limited availability of facility or time during the program.

## **VI. ANNEX I:**

### **Questionnaire** **to be submitted along with the application form (for screening)**

		Name: _____	
		Country: _____	
1. The national emergency rescue system (the organization chart depicting the relationship among governmental, prefectural, municipal authorities, and the organization the applicant belongs to)			
2. Organization category (check one)	<input type="checkbox"/> a) Governmental	<input type="checkbox"/> b) Municipal	
	<input type="checkbox"/> c) Private	<input type="checkbox"/> d) Non-profit organization	
	<input type="checkbox"/> e) Other (		)
3. Your job category (check one) and descriptions	<input type="checkbox"/> a) Fire service	<input type="checkbox"/> b) Ambulance service	
	<input type="checkbox"/> c) Rescue service	<input type="checkbox"/> d) Administration	
	<input type="checkbox"/> e) Policy making	<input type="checkbox"/> f) Other (	)
Please describe your current job.			
(i) Job Title:			
(ii) Department/Division:			
(iii) Duties and Responsibilities:			

4. Your job history related to the rescue services (organizations and experience years, and job descriptions)

5. Accidents or disasters that you recently dealt with and your role at those situations (\*It is recommended to attach photos, if any.)

6. If you are a team leader, how many number of team members you have under your direction?

7. Please briefly explain about existing training or human resources development program in your organization/country.

8. Current problems/challenges that you and your organization are facing and the causes of the problems/challenges.

9. What you expect for this program (what you would like to learn).

10. Others (please specify)

END

## **VII. ANNEX II:**

### **JOB REPORT and BASIC INFORMATION**

Two materials\* should be submitted by **April 17th 2020** to the following address.

E-mail: Uda.Ayaka.2@jica.go.jp

\* two materials;

1. Job Report (Microsoft Power Point presentation material)
2. Basic information (Page17-23)

#### **1. Job Report**

**(1) Job Report presentation focused on the following (Especially 6),7) and 8)) :**

- 1) National emergency rescue system
- 2) Present condition of rescue operation (including ambulance activities) in your country
- 3) Number of Disaster cases including flood, earthquake, storm, fire and others in your country
- 4) Chart of your organization and your position
- 5) Rescue service strength (Number of fire station, rescue personnel and fire engines by type) in your organization
- 5) Your current duties in your organization
- 6) Current Problem and challenges in
- 7) Your expectation for this program

**(2) The photos of rescue devices (as listed at the following material, if any) should be attached on the material and introduced at the Job Report.**

**(3) Job report presentation will be on the 1<sup>st</sup> or 2<sup>nd</sup> week of the program.**

**(4) Presentation time will be 15 min. including Q&A session.**



## BASIC INFORMATION

### I. Basic Information

1. Name of Training Program: Rescue Techniques JFY 2020
2. Name of Participant:
3. Name of Country:

### II. Statistical data of the fire service system in the participant's organization

自組織の消防システムの統計データについて

1. Name of Organization : 組織名
2. History of Rescue Service and Fire Service : 救助及び消火対応の歴史
3. Main Duties of Rescue Service and Fire Service : 救急救助及び火災対応の主な役割
4. Organization Chart : 組織図
5. Number of Fire Service Officers and Their Duties in your organization :  
消防隊員数、自組織での消防隊の役割
6. Rescue Service Strength 救助体制  
(whole country and your district)(自国及び担当地域)  
(a) Number of Fire Stations and Branches 消防署数と支所数

(Year: )

	Whole Country(国)		District(地域)	
	Regular Fire Service	Volunteer	Regular Fire Service	Volunteer
Fire Defense Headquarters 消防本部				
Fire Stations 消防署				
Branch Offices 支所				
Others その他				

(b) Number of Rescue Personnel 救助隊員数

(Year: )

	Whole Country(国)		District(地域)	
	Regular Fire Service	Volunteer	Regular Fire Service	Volunteer
Fire Fighting Activities 消火活動				
Fire Prevention Activities 防火活動				
Rescue Activities 救助活動				
Ambulance Activities 救急救命活動				
Others その他				

(c) Number of Fire Engines by Type 消防車等の数

(Year: )

	Whole Country(国)		District(地域)	
	Regular Fire Service	Volunteer	Regular Fire Service	Volunteer
Fire Engine (Pump Engine)ポンプ積載車				
Aerial Ladder Truck はしご付消防車				
Chemical Fire Truck 化学消防ポンプ自動車				
Fireboat 消火ボート				
Fire Helicopter 消火ヘリコプター				
Rescue Apparatus 救助工作車				
Ambulance 消防車				
Others				

7. Latest Statistical Record 最新の対応記録

(a) Number of Fire Cases 火災件数

(Year: )

	Whole Country(国)				District(地域)			
	Number of Fires 火災件数	Amount of Damage(\$) 被害額	Fatalities 死者	Injured 負傷者	Number of Fires 火災件数	Amount of Damage(\$) 被害額	Fatalities 死者	Injured 負傷者
Buildingsビル								
Forests 森林								
Vehicles 車両								
Others								

(b) Cause of Fires 火事の原因

(Year: )

1st Place:	% / Total
2nd Place:	% / Total
3rd Place:	% / Total

(c) Damage by Storm, Flood and Earthquake 台風、洪水、地震による被害

(Year: )

	Whole Country(国)	District(地域)
Completely Destroyed (houses)全壊		
Half-Destroyed (houses)半壊		
Partially Destroyed (houses)一部損		
Flooded above Floor Level (houses) 床上浸水		
Total 総数		
Amount of Damage (\$)被害額		
Dead 死者		
Missing 行方不明者		
Injured 負傷者		

(d) Total Number of Ambulance Runs and total Number of People Carried

救急車出動数と搬送者数

(Year: )

	Whole Country(国)		District(地域)	
	Number of Ambulance Runs 救急車出動数	Number of People Carried 搬送者数	Number of Ambulance Runs 救急車出動数	Number of People Carried 搬送者数
Emergency Cases (Illness) 緊急(病気)				
Traffic Accidents 交通事故				
Natural Disasters 自然災害				
Others				

(e) Total Number of Rescue Operations and Total Number of People needing rescue operation

救急救助件数及び要救助者数

(Year: )

	Whole Country(国)		District(地域)	
	Number of Rescue Operations 救急救助件数	Number of People needing rescue operation 要救助者数	Number of Rescue Operations 救急救助件数	Number of People needing rescue operation 要救助者数
Fire Cases 火事				
Traffic Accidents 交通事故				
Drowning Accidents 水難事故				
Natural Disaster 自然災害				
Others				

8. Materials for Rescue Service 資機材

Check the box if the materials for Fire Service (especially Rescue) are employed in your organization, as listed below: (Please use photos and/or illustrations, if possible.)

(a) Rope: used to lift up and down things, or used to save a person in need of rescue by tying up. (ロープ)

	hemp rope 麻	nylon rope ナイロン	kern mantle rope ナイロン	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Picture				

(b) Carabineer: used to join two ropes. Used to change the direction of the rope. (カラビナ)

	aluminum carabineer アルミニウム	stainless carabineer ステンレス	steel carabineer スチール	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Picture				

(c) Retainer used to fix the spinal column of the rescued. Used when conveying the rescued.

(脊柱固定器具、ストレッチャー等)

	backboard 背面板	short board 短板	skid stretcher スキッドストレッチャー	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Picture				

(d) Cutting instrument: used to cut doors and woods. Used to cut vehicles involved in an accident.

(切断器具)

	engine cutter エンジンカッター	chain saw チェーンソー	electric saw 電動のこぎり	air saw エアソー	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Picture					

(e) Lifting devices: used to lift heavy materials. (ジャッキ)

	air jack エア	hydraulic jack 油圧	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	
Picture			

(f) Destroying tools: used to destroy things. (破壊器具)

	rescue ax 救助斧	ax 斧	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	
Picture			

(g) Ladder: used to approach high place. (はしご)

	single ladder 一連	double ladder 二連	triple ladder 三連	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Picture				

(h) Respiratory Protective equipment: used in case of fire, rescue, etc. (呼吸保護具)

	self-contained-compressed air breathing apparatus 空気呼吸器	oxygen breathing apparatus 酸素呼吸器	dust mask 防塵マスク
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Picture			

(i) Pulley: used to change a direction of rope by connecting a carabineer (滑車)

	aluminum pulley アルミニウム滑車	stainless pulley ステンレス滑車	others
Check the box if employed	<input type="checkbox"/>	<input type="checkbox"/>	
Picture			

END

## **VIII. ANNEX III:**

**This is the information for accepted participants.  
These technical terms shall be used throughout the program.**

- **Knots and hitches ropes skill**

**A textbook is going to be sent by e-mail to accepted participants.**

- **Three-Point Procedure for Building Entry via Ladder**



- When climbing a ladder, always maintain a three-point grip so that two hands and one foot or two feet and one hand are always in contact with the rungs of the ladder.
- When entering a building, to prevent slipping, falling through the floor, or stepping on any victims who may be lying there, maintain a firm grip on the ladder, with one or both hands, moving slowly but surely, without kicking or otherwise destabilizing the ladder, until a firm footing inside the building is attained.
- When the possibility of a floor collapsing exists due to fire or otherwise comprised structural integrity, perform rescue operations in the fastest possible manner by entering the building backwards.



## ***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, Knowledge Co-Creation programs (until 2015, so called “training”), JOCV programs, etc.

Within this wide range of programs, Knowledge Co-Creation Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

### **Japanese Development Experience**

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

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

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

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



***CORRESPONDENCE***

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