



Knowledge Co-Creation Program (Group and Region Focus)

Strategic Utilization of Hydro-meteorological Data Observation Technology




Course Number:202108000J001

Course Period: February 7 - February 15, 2023

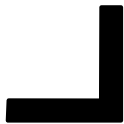


NOTE: Adobe Acrobat Reader DC and Google Chrome are recommended as PDF viewer. JAWS and NVDA are recommended as screen reader.
NOTE: If there are any difficulties in reading this document, please contact JICA Office in your country or JICA Center in Japan.
NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.



How do we improve
river water control
by
hydro-meteorological
data observation
technology?

Gain insight to an essence of hydro
meteorological observation technology in
river basin management
more practical, more interactive,
more inspirational
from the experiences of Japan.



Outline

This program is designed for managerial officials to obtain and understand meanings, basic knowledge of technology and know-how of the hydrological and meteorological data observation as well as analytical technique and applied technology.

The sessions will be held online and will include self-study and discussion with web conference.

All sessions are carried out in English.

The period of the program is from February 7 to February 15, 2023.

Course Capacity: 12 participants



JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated 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.” JICA believes that this ‘Knowledge Co- Creation Program’ will serve as a foundation of mutual learning process.

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For What?

Background

Due to the effects of global warming in recent years, there has been a clear trend of increased rainfall worldwide, which has resulted in more frequent flood damage in many areas. This program is designed for managerial officials to obtain and understand meanings, basic knowledge of technology and know-how of the hydrological and meteorological data observation as well as analytical technique and applied technology.

Objectives

This program aims to enhance knowledge about the importance of hydro meteorological observation in river basin management and the methods of hydro meteorological data observation and management with a view to using the data for flood control in the long term perspective.

To Whom?

Job Areas and Organization

This program is designed for the River Basin Organizations (RBOs), administrative organizations or central/local governmental authorities related to river/water resources management (including irrigation and river basin organizations)

The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Targeted Countries

Brazil, Kenya, Senegal, Vanuatu, Viet Nam, Zambia

Participants who have successfully completed the program will be awarded a certificate by JICA.

When?

Online Program Period



From February 7, 2023
to February 15, 2023

Online real-time session

7-15 Feb, 2022
(Except for the self-study days)

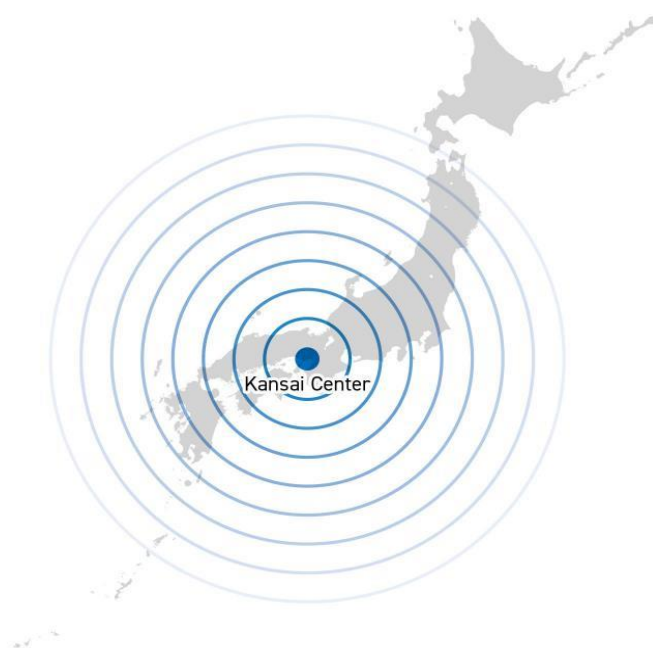
All participants will be connected via Zoom in following time zones.

- Japan: 2:00PM and 3:00PM
- Brazil: 2:00AM and 3:00AM
- Kenya: 8:00AM and 9:00AM
- Senegal: 5:00AM and 6:00AM
- Vanuatu: 4:00PM and 5:00PM
- Viet Nam: 12:00Noon and 1:00PM
- Zambia: 7:00AM and 8:00AM

Fixed schedule will be shared to the accepted participants with the Notice of Acceptance.

Where?

This course is carried out totally online, organized by JICA Kansai Center. You will watch/read essential on-demand materials for your self-study at your own pace. As the online real-time lectures/workshops and Q&A sessions are held to assist your learning process, you are required to have a certain IT environment. For detail, see page 10.



How?

How to Learn

- Online Self-Study
- Online Interactive Q&A Session
- Lectures
- Workshops
- Discussions
- Presentations



Language

English

Commitment to the SDGs



Overall Goal

Flood control plans and river water utilization plans are encouraged to draft in each participating country.

Program Structure

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

(1) Preparation in participants' home countries (December 2022 to January 2023) <i>Nominees make required preparation for the program in the respective countries.</i>		
Modules	Activities	
To identify and define work-related problems on hydro-meteorological data observation beforehand	For all nominees Deadline: January 5th (Thu), 2023	To formulate and submit " Job Report " *This report will be used as one of the nominees' screening materials. (*See p.20 and Attachment1)
	For accepted participants Deadline: January 31st (Tue), 2023	To formulate and submit " Job Report Presentation " (*See p.25 and Attachment 2)

(2) Online course (February 7 th to 15 th , 2023) <i>Participants attend online course from respective countries</i>		
Modules	Subjects/Agendas	Methodology
(1) Understanding the importance of Hydro-meteorological Data Observation	To understand the necessity and objectives of hydro-meteorological data observation regarding river basin management and the process and know-how of observing and publishing hydro-meteorological data	(1) Utilizing observation data: Planning for flood management, water use and environment, Measures against disaster (flood and drought), Daily water use (2) Applying observation data to the improvement in accuracy of radar rain gauges and meteorological satellites (3) Sharing system of observation data
(2) Discussions on the way forward	To review the current situations and exchange the knowledge and experiences between the respective participants' countries.	(1) Presentation of "Job Report" (2) Discussions on how to utilize the knowledge we learned in you the program

Tentative program schedule is as follows.

Date	Time (JST)	Title of lecture	Module	Venue
Under planning		Zoom Connectivity test		Zoom
Feb. 7	14:00-17:00	Program Orientation and Job Report Presentation	(2)	Zoom
Feb. 8	14:00-15:00	1. Introduction to hydrological observation 2. ground rainfall observation 3. radar rainfall observation	(1)	Zoom
Feb. 9	14:00-15:00	1. Water Level Observation 2. Flow Observation and Rating Curve Image Processing Flow Observation	(1)	Zoom
Feb. 10		Self-study	(1)	self-study
Feb. 11				
Feb. 12				
Feb. 13		Self-study	(1)	self-study
Feb. 14	14:00-16:00	Database Exercise (Verification) Discussions on how to utilize the knowledge we learned in you the program	(2)	Zoom
Feb. 15	14:00-16:00	1. Question & Answer 2. Presentation of individual achievement report		Zoom

Eligibility and Procedures

1. Expectations to the Applying Organizations

- (1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.
- (2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course 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: Officials working in a department/organization in charge of observation and management of hydro meteorological data.
- 2) Educational background: To be university graduates or equivalent.
- 3) Work experiences: Those who have practical experience of more than five (5) years as an administrator in the field of disaster risk reduction.
- 4) Language Proficiency: have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This workshop includes active participation in discussions, which requires high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc., if possible)

5) Technical Requirements :

a. Online course is delivered using the following services: Zoom, Online Cloud Storage (GIGAPOD), LMS(Learning Management System) "JICA Virtual Academy Network (JICA-VAN) "based on IBM Cornerstone, and YouTube. Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.

b. Internet Connection

High Speed Broadband Connection (at least 2Mbps).

* Internet access charge incurred for this course shall be borne by your organization.

c. Hardware (Minimum Requirement)

- ✓ Regular access to a computer, either from home or office.
- ✓ Processor: Intel Core 2 Duo or higher; 2GHz or higher
- ✓ Memory: 4GB of RAM or higher
- ✓ Hard Drive Space: 5GB free disk space
- ✓ Others: Webcam Microphone, and Audio output Device (Speaker or Headset)

d. Software (which may be required)

- ✓ [OS] Latest version of Windows 10 / iOS / Android
- ✓ [Web browser] Latest version of Google Chrome/ Firefox/ Microsoft Edge Chromium/ Apple /Safari. (IE11 is NOT recommended.)
- ✓ Zoom Client for Meeting (<https://zoom.us/download>)
- ✓ YouTube

* In case you are using your office computer and use of Zoom is not authorized by your IT administrator, please notify JICA at the time of application.

6) Health: must be in good health to participate in the program. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.



7) Attendance Requirement:

Participation in all online programs is an essential requirement for the completion of the course. If you have any difficulties participating in the online program, please let us know. Therefore, we will offer alternative measures, such as sharing lecture materials instead. For more detailed “completion requirements,” see 6. Other Information.

(2) Recommended Qualifications

- 1) Age : between the ages of twenty-five (25) and fifty (50) years
- 2) Gender Equality and Women’s Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women’s empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

3. Required Documents for Application

- (1) **Application Form:** The Application Form is available at the JICA overseas office (or the Embassy of Japan)
 - * If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.
- (2) **Photocopy of Passport or ID:** You should submit it with the application form if you possess.
 - *The following information should be included in the photocopy:
Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date
- (3) **English Score Sheet (photocopy):** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)
- (4) **Job Report:** to be submitted with Application Form. This report will be used as one of the nominees’ screening materials. (*See ANNEX-“Attachment1”)

4. Procedures for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).**

(All required material must arrive at JICA Center in Japan by January 6, 2023)

(2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

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

(3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than January 18, 2023.**

5. Additional Document(s) to Be Submitted by Accepted Participants

The accepted participants are expected to make visual materials for their “Job Report Presentation” (ANNEX-Attachment2) and submit them to JICA office and Namba.Midori@jica.go.jp by January 31st, 2023. The accepted participants will have to do presentations regarding “Job Report” at the beginning of the course. Each participant has about 10 minutes for the presentation and 5 minutes for Q&A session. (*See “Attachment 2”)



6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to change the program topics,
- (3) not to record or share the online contents without JICA's permission,
- (4) not to bring or invite any family members,
- (5) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (6) to observe the rules and regulations of the program implementing partners or establishments with which the participants undertake study or training,
- (7) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (8) to discontinue the course, in case of serious illness or injury, and when JICA will determine that you are unable to further participate the course,
- (9) to discontinue the course, should you commit illegal or immoral conduct,
- (10) to observe the rules and regulations at the place of your accommodation and not to change the accommodation designated by JICA,
- (11) to comply with the use conditions of copyrighted works by each copyright holder, when using texts and other materials distributed for KCCP,
- (12) to refund the allowances or other benefits paid by JICA in the case of a schedule change.

Administrative Arrangements

1. Organizer

Training Program Division, Kansai Center, JICA(JICA Kansai)

Contact Person: Ms. NAMBA Midori (Namba.Midori@jica.go.jp)

2. Implementing Partner

(1) **Name:** Foundation of River & basin Integrated Communications (FRICS)

(2) **URL:** <http://www.river.or.jp/outlineoffrics.html>

(3) **Description:**

FRICS is a private nonprofit organization, but Endowment was made by all 47 prefectures and 10 large cities of Japan, and FRICS has been, is, and shall be a highly public body in charge of prevention and/or mitigation of water-related disasters.

3. Expenses

The following expenses will be provided by JICA

- (1) Allowances for commute, living expenses at designated local accommodations where JICA overseas office provides, only if JICA deems indispensable for a participant to complete the course.
 - (2) Expenses for program implementation, including materials.
 - (3) For more details, please consult the JICA overseas Offices
-

4. Internet connection test

will be held online, to confirm Participants' connectivity and provide them with details on the program and other matters. Further information may be informed for the accepted participants in January 2023.

5. Reference

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA Kansai	https://www.jica.go.jp/kansai/english/office/index.html

If the link of these URLs has expired, please access the URL below and search the necessary information from the key word.

<https://www.youtube.com/user/JICAChannel02>

PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide_en.pdf



6. Other Information

Completion requirements: Participants who have completed the program will be awarded a certificate by JICA. Specifically, it means:

- (1) Submitting feedback sheets on all self-study materials
- (2) Participating in all online session
- (3) Participating in job-report presentations and final discussions

If it is difficult for you to 1) participate in the online lectures or various presentations and discussions or 2) submit any feedback sheet, please consult with us individually.

Annex

« For ALL Nominees–With Application Form »

1. Job Report: by January 5th, 2023

(1) What is “Job Report”?

All nominees are required to submit “Job Report” with Application Form to the respective countries’ JICA offices (or Embassies of Japan). **This report will be used as one of the applicants’ screening materials.**

(2) Why do we need “Job Report”?

The role of “Job Report” is to share the information about your organization with other participants and lecturers. Moreover, “Job Report” is supposed to assist Course Organizer, Implementing Partner and other lecturers to know about the details of your professional careers, present challenges and expectations toward the program.

(3) Contents of “Job Report”

“Job Report” should be typewritten in English on A4 size paper (2 pages, maximum 4 pages). It is highly recommended to include graphs, figures and maps in your report, which should be useful for other participants and lecturers.

(4) Form of “Job Report”

Please use”Attachment1: **Job Report**”

« For Accepted Participants–After receiving Acceptance Notification »

2. Presentation Material

(1) What is “Job Report Presentation”?

The accepted applicants are expected to **submit visual materials for their “Job Report Presentation”** (Attachment2) since participants will have to do presentations regarding “Job Report” at the beginning of the course. Each participant has about 10 minutes for the presentation and 5 minutes for session.

(2) Requirements of “Job Report Presentation”

Regarding the visual materials for “Job Report Presentation”, it is recommended to include photos, graphs, maps and statistic information to promote understandings and discussions among lecturers and participants. Contents include the following 4 topics about you and your organization. Please make sure to describe the contents based on the 4 topics:

1. Conditions about Hydro-meteorological Observation of Your Organization
2. Details about Your Organization
3. Challenges regarding Hydro-meteorological Data Observation and using data for River Basin Management
4. Initial Expectations for this Program

In the presentation, please briefly explain the background information on your country, your organization and your job. Please put your emphasis on the challenges your organization and yourself are facing.

(3) Form of “Job Report Presentation”

Please check “Attachment 2: Job Report Presentation”.

Attachment 1: Job Report Format

Part1. General Condition of Hydro meteorological Situation in your Country

Could you please describe hydro-meteorological situation in your country?

1. Country: _____
2. Hydro meteorological Conditions
 - 2-1. Yearly Average Precipitation: _____
 - 2-2. Isohyetal Line Map of Yearly Average Precipitation or Yearly Average Precipitation Distribution Map: _____
 - 2-3. Monthly Variation of Average Precipitation in Capital City: _____
 - 2-4. Main Water Induced Disaster (Multiple Answers Allowed)
 - Flood, Cyclone, Typhoon, Landslide, Bank Erosion, Riverbed Erosion, Debris Flow, Riverbed Sediment, Drought,
 - Others _____

Part2. Organization Profile

Could you describe the following items regarding the entire organization you belong to?

1. Organization :
 - 1-1. Establishment Law or Policy for the Organization: _____
 - 1-2. Organizational Chart: _____
 - 1-3. Number of Officials of Total Organization: _____
2. Ways of Data Acquisition (Multiple Answers Allowed)
 - Precipitation Observation, Water Level Gauging, Radar Rainfall, Gauge System, Meteorological Satellite
 - Others _____
3. Hydro meteorological Data Use for (Multiple Answers Allowed)
 - River Basin Management Plan, Flood Control Plan, Water Use Plan, Precipitation Forecast, Flood Forecasting & Early Warning
 - Others _____

4. 10 (Ten) Major Precipitation Gauge Stations under Control : _____

5. 10 (Ten) Major Water Level Gauge Stations under Control : _____

6. Location Map of Precipitation Gauge Stations under Control : _____

7. Location Map of Water Level Gauge under Control:

8. Number of Officials in charge of Hydro-meteorological Affairs: _____

9. Annual Budget for Hydro-meteorological Observation : _____

Part 3. Career Profile

1. Name: _____ Sex: Male Female

2. Official Responsibility: _____

2-1. Organization: _____

2-2. Job Title: _____

2-3. Main Duty and Role:

1) _____

2) _____

3) _____

4) _____

2-4. Years of Experience in the Field of Hydro-meteorological Observation / Database Management: _____

2-5. Please explain what kinds of observation equipment you use and the amount and location of those equipment

2-6. Please explain conditions about Data Acquisition (such as Observation Frequency, Data Accuracy, Data Storing, Equipment Maintenance) regarding Daily Precipitation and Daily Average Water Level at One Representative Gauging Station of your River Basins

2-7. Please attach the data tables of ① daily precipitation and ② daily average water level during the latest 5 years at least. If you have missing data or dissipative data, please specify those data in the table.

Part 4. Challenges regarding Hydro meteorological Data Observation and River Basin Management

*It is highly recommended to explain in detail, such as the target river basin where the issues are occurring, the background, causes, stakeholders, etc.

*It is highly recommended to focus on two key elements of this course:

- (a) Observation
- (b) Data Management

1. Challenges of Your Organization and Yourself

-What prevents you from conducting duties smoothly, what you are expected to do etc.

2. Initial Expectations for this Program

-What you want to learn

(*With clear objectives reasons, detailed explanation on what how to learn are preferred.)

etc.

Table-1 10 (Ten) Major Precipitation Gauge Stations under Control

s.l. No.	Gauge Station	River Basin	River	Location (lat/long/altitude)	Observing Period	Way to Gauge
1	(example) Manba	Tone River	Kanna River	036° 06' 56 (WGS) 138° 55' 10 (WGS) 320 m	From: Sept. 1965 To: Today	<input type="checkbox"/> manual <input type="checkbox"/> automatic
2					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
3					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
4					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
5					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic

Table-2 10 (Ten) Major Water Level Gauge Stations under Control

s.l. No.	Gauge Station	River Basin	River	From River mouth E.L at Watermark 0 m	Observing Period	Way to Gauge
1	(example) Yattajima	Tone River	Tone River	181.45 km 44.4 m	From: Sept. 1923 To: Today	<input type="checkbox"/> manual <input type="checkbox"/> automatic
2					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
3					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
4					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic
5					From: To:	<input type="checkbox"/> manual <input type="checkbox"/> automatic

Attachment 2: Job Report Presentation

For Accepted Participants Only < by 28th October (Fri), 2016 >

Attachment 2: Strategic Utilization of Hydrological and Meteorological Data Observation Technology

Job Report Presentation

- 1. Country:
- 2. Name:
- 3. Position:
- 4. Organization:



Guidance for "Job Report Presentation"

- Each applicant is kindly requested to make presentation of Job Report (ppt: M/S Power Point) which cover the following 4 topics about you and your organization.
- Presentation time: 8 minutes including Q/A
- 4 topics:
 - 1. Conditions about Hydro-meteorological Observation of Your Organization
 - 2. Details about Your Organization
 - 3. Challenges regarding Hydro-meteorological Data Observation and River Basin Management
 - 4. Initial Expectations for this Program
- In this ppt., we used the case of Tokyo (and other cities in Tone-River Basin) just as a reference image. So, please delete the items and pictures about Tokyo when you make your own "Job Report".

*It is recommended to include photos, graphs, maps and statistic information to promote understandings and discussions among lecturers and participants.



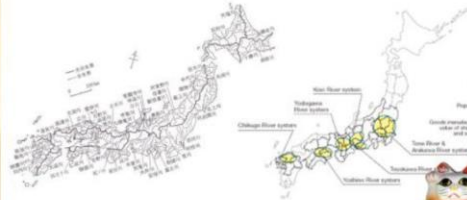
Contents of Job Report Presentation

- 1. Conditions about Hydro-meteorological Observation of Your Organization
- 2. Details about Your Organization
- 3. Challenges regarding Hydro-meteorological Data Observation and River Basin Management
- 4. Initial Expectations for this Program



1. Conditions about Hydro-meteorological Observation of Your Organization

(1) Distribution of Main Rivers and the River Basins which Your Organization is in Charge of



1. Conditions about Hydro-meteorological Observation of Your Organization

(2) Location Map of Gauging Station (Rainfall Observatory and Water Level Observatory)



1. Conditions about Hydro-meteorological Observation of Your Organization

(3) Major Precipitation Gauge Stations under Control
① Precipitation Gauge Station

S.J. No.	Gauge Station	River Basin	River	Location (Longitude, latitude)	Observing Period	Way to Gauge	
						From	To
1.	Asakusa (Shibuya)	Tone River	Sagami River	139° 46' 16" (EAST), 35° 48' 15" (NORTH)	From Sept. 1955. To Today.	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
2.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
3.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
4.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
5.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
6.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
7.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
8.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
9.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
10.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic



1. Conditions about Hydro-meteorological Observation of Your Organization

(3) Major Water Level Gauge Stations under Control
② Water Level Gauge Station

S.J. No.	Gauge Station	River Basin	River	From River mouth to observation point	Observing Period	Way to Gauge	
						From	To
1.	Asakusa (Shibuya)	Tone River	Tone River	183.45km, 44.4km	From Sept. 1953. To Today.	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
2.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
3.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
4.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
5.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
6.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
7.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
8.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
9.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
10.	-	-	-	-	From - To -	<input type="checkbox"/> manual	<input type="checkbox"/> automatic



2. Details about Your Organization

(1) Mission & Vision and Scope of Work

- Mission & Vision
- Scope of Work



2. Details about Your Organization

(2) Other Organization and Legislation Related to Water Resources Policy (Hydro-meteorological Data Observation and River Basin Management)

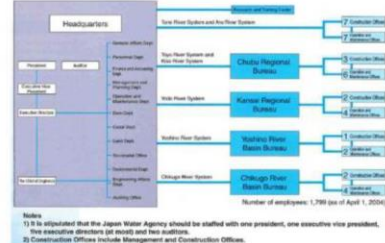
Water Supply for Domestic Use Water Supply Act Water Supply Act (Amendment) (Provision of Priority for Supply of Water Supply Act)	Ministry of Health, Labour and Welfare
Water Supply for Agricultural Use, and Development of Farm for Water Resources Conservation Water Resources Conservation Act Water Resources Conservation Act (Amendment)	Ministry of Agriculture, Forestry and Fisheries
Water Supply for Industrial Use, and Hydroelectric Power Generation Industrial Water Supply Act Industrial Water Supply Act (Amendment)	Ministry of Economy, Trade and Industry
Water Quality and Environmental Preservation Water Quality Control Act Water Quality Control Act (Amendment)	Ministry of Environment
Sewerage and Water Works Management Department Sewerage Act Sewerage Act (Amendment)	Ministry of Land, Infrastructure, Transport and Tourism
Food Safety, River Water Utilization, and Dam Construction, etc. Food Safety Act Food Safety Act (Amendment)	River Bureau
Overall Coordination, Water Supply and Demand Planning, and Research Area Development Water Resources Act Water Resources Act (Amendment)	Water Resources Department

Organization of the Water Resources Department



2. Details about Your Organization

(3) Organization Chart



Notes:
1) It is stipulated that the Japan Water Agency should be staffed with one president, one executive vice president, three executive directors (of which two are full positions), and 10 directors.
2) Construction Offices include Management and Construction Offices.

reference--(<http://www.mlit.go.jp/common/000026153.pdf>)



2. Details about Your Organization

(4) Your Duty in Your Organization



3. Challenges regarding Hydro-meteorological Data Observation and River Basin Management

(What prevents you from conducting duties smoothly, What you are expected to do, etc.)

(1) Challenges of Your Organization

(2) Challenges of Yourself



4. Initial Expectations for this Program

○What you want to learn
(*With clear objectives&reasons, detailed explanation on what&how to learn are preferred.)



For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses 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 is being customized by the different target organizations to address the specific needs, 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, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

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 a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

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.



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



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