



বাংলাদেশ পানি উন্নয়ন বোর্ড
প্রশিক্ষণ পরিদপ্তর
পানি ভবন, ৭২ গ্রীন রোড, ঢাকা-১২০৫।
www.bwdb.gov.bd

জরুরি
সীমিত

নম্বর: ৪২.০১.০০০০.০২৯.২৫.০০২.২১.৬৫

তারিখ: ৩ জ্যৈষ্ঠ ১৪২৯

১৭ মে ২০২২

সার্কুলার

Issue-focused Training Course on Adaptive Watershed Management to Climate Change: Disaster Risk Reduction and Ecosystem Conservation শীর্ষক প্রশিক্ষণ কোর্সে উপকূলীয় অঞ্চলের অফিস সমূহে কর্মরত ৪(চার) জন (২জন মূখ্য ও ২জন বিকল্প) সহকারী প্রকৌশলী/উপ-বিভাগীয় প্রকৌশলী মনোনয়নের প্রদানের লক্ষ্যে আগ্রহী কর্মকর্তাদের নির্ধারিত আবেদন ফরম পূরণপূর্বক পূর্ণাঙ্গ তথ্যসহ যথাযথ কর্তৃপক্ষের মাধ্যমে আগামী ২২/০৫/২০২২খ্রিঃ তারিখের মধ্যে পরিচালক, প্রশিক্ষণ পরিদপ্তর, বাপাউবো, ঢাকা বরাবর আবেদন প্রেরণের জন্য আদেশক্রমে অনুরোধ জানানো হলো। উল্লেখ্য, জাইকার তথ্য অনুযায়ী উক্ত অনলাইন প্রশিক্ষণ কোর্সে কোন প্রকার আর্থিক সুবিধা প্রদান করা হবে না।

ক্রঃ নং	কোর্সের বিষয়	আয়োজনকারী সংস্থা	কোর্সের সময়সীমা	সুযোগ সংখ্যা
01	Issue-focused Training Course on Adaptive Watershed Management to Climate Change: Disaster Risk Reduction and Ecosystem Conservation (202107956J001)	JICA Japan	07/07/2022 to 12/08/2022	02

০২। মহাপরিচালক মহোদয়ের অনুমোদনক্রমে এই সার্কুলার জারি করা হলো।

সংযুক্তি: জাইকার প্রশিক্ষণ কোর্সের তথ্যাদি।

১৭-৫-২০২২

এস.এম হুমায়ুন কবীর

উপ-পরিচালক (অতিরিক্ত দায়িত্ব)

ফোন: ০২-২২২২৩০০২৬

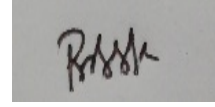
ফ্যাক্স: ০২-২২২২৩০০২৬

ইমেইল:

smhumayunk@gmail.com

সদয় অবগতি/অবগতি ও প্রয়োজনীয় (প্রযোজ্য ক্ষেত্রে) ব্যবস্থা গ্রহণের জন্য অনুলিপি প্রেরণ করা হইল:

- ১) প্রধান প্রকৌশলী/প্রধান/অতিরিক্ত প্রধান প্রকৌশলী (সকল), বাপাউবো,।
- ২) সচিব, বোর্ড সচিবালয়, বাংলাদেশ পানি উন্নয়ন বোর্ড, ঢাকা।
- ৩) তত্ত্বাবধায়ক প্রকৌশলী (সকল), বাপাউবো,।
- ৪) পরিচালক, বাংলাদেশ পানি উন্নয়ন বোর্ড (সকল)।
- ৫) সিএসও টু মহাপরিচালক, মহাপরিচালক-এর দপ্তর, বাংলাদেশ পানি উন্নয়ন বোর্ড, ঢাকা।
- ৬) সিনিয়র সিস্টেম এনালিস্ট (অতিরিক্ত দায়িত্ব), কেন্দ্রীয় আইসিটি পরিদপ্তর, বাপাউবো, ঢাকা। (সাকুলারটি বোর্ডের ওয়েবসাইটে প্রকাশের অনুরোধ করা হলেঅ।)
- ৭) নির্বাহী প্রকৌশলী (সকল),.....বাপাউবো,.....।
- ৮) ব্যক্তিগত সহকারী, অতিরিক্ত মহাপরিচালক(প্রশাসন/অর্থ/পূর্ব রিজিয়ন/পশ্চিম রিজিয়ন/পরিকল্পনা), বাপাউবো, ঢাকা।
- ৯) অফিস কপি।



১৭-৫-২০২২

প্রতীক রায়

সহকারী পরিচালক

2) **Photocopy of the Passport/NID:**

If the applicant already has a passport/NID please submit us the copy of identification page.

3) **Nominee's English Score Sheet:**

to be submitted with the Application Form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS), please attach it (or a copy) to the application form.

4) **Inception Report:**

to be submitted with the Application Form. Refer to Attachment-1 for Inception Report in section VI, and submit it along with the Application Form by June 10, 2022.

5) **Gender Consideration:**

JICA is promoting Gender equality. Women are encouraged to apply for the program.

<NOTE> For taking online course, the participants shall meet the following requirements ;

1) Participants must be able to prepare communication devices such as PCs and tablets (as well as installation of a web conference system, if any) on their own, or by their organization.

2) Participants must be able to attend the training course from their homes, offices or other appropriate locations, taking into consideration the enough Internet connection environment.

* JICA will not provide any facility, communication and daily allowance to the participants during the online course period.

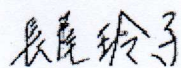
** Please refer to G.I for further requirements.

4. Selection Procedures

JICA Bangladesh Office will conduct a basic screening of applications to confirm whether the applicant fulfills all the application requirements mentioned in 3. Application above. The screening would include a short interview with the applicant in English. If the applicant satisfies requirements, JICA Bangladesh Office will forward the application to JICA Obihiro for final selection. Therefore, nomination by the respective Department/ Ministry does not automatically guarantee the acceptance to the training course from your country.

May we also inform you that you may contact Ms. Nurun Nahar Momo, Assistant Administrative Officer of JICA Bangladesh (MomoNurunnahar.BD@jica.go.jp) if you have any query.

Sincerely yours,



Reiko Nagao
Representative

Attachment:

☐ 2 copies of G.I

Copy for information & necessary action:

1. Senior Secretary, Ministry of Water Resources

✓ 2. Director General, Bangladesh Water Development Board

3. Joint Secretary (Foreign Training Section), Ministry of Public Administration, Government of Bangladesh, Bangladesh Secretariat, Dhaka-1000



【Online】 Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION

**Adaptive Watershed Management to Climate Change:
Disaster Risk Reduction and Ecosystem Conservation**

**課題別研修『気候変動に対する順応的流域管理
「災害リスク削減と生態系保全」』**

JFY 2022

NO. 202107956J001

Online Program Period : From July 7 to August 12, 2022

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)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *"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.

I. Concept

Background

Global warming, which is generally considered to stem from increased emissions of greenhouse gases (e.g. carbon dioxide), has caused climate change on a global scale, including significant variations in rainfall amounts. Developing countries in particular experience frequent cyclones/hurricanes and resultant heavy rain that has developed to unexpected levels, causing a corresponding increase in damage to human life and property. Meanwhile, conventional flood countermeasures such as dams and levees are often found to have adverse effects on the ecosystem in watershed areas.

For these reasons, an adaptive watershed management approach that integrates flood countermeasures and ecosystem conservation rather than viewing them as incompatible is being stressed on an international level; the dissemination of such an approach and the advancement of human resources in developing countries represent effective support measures enabling these regions to deal with climate change.

Motivation

This group training program is designed for mid-level working and senior administrative officers of organizations operating watershed management projects, and aims to share adaptive watershed management methods among them.

Methodology

Participants will have opportunities to have mainly lectures including field studies and discussions. Participants will also formulate final report including an action plan describing what the organization will do after the participants complete the training program putting the knowledge and ideas acquired and discussed among others into their on-going activities.

Participants will have online KCCP program which includes series of lectures, and online discussions.

What is “Adaptive Management of Drainage Basin”?

It aims an adaptation to global climate change from viewpoints of drainage basin management. Under global climate change, we will have higher risk in river management: the fluvial regime changes quickly and also discharge at rainy season easily exceeds the former level. We cannot decrease the disaster risk caused by future climate change by a further hard works such as a big dam and/or embankment construction, since it will be difficult to construct these structures infinitively. It will be better to reduce the disaster risk by alternative countermeasures such as construction of retention pools and an appropriate control of flooded water. Besides, reducing watershed runoff and soil erosion through afforestation and sustainable forest management can be a temporary and/or additional disaster risk reduction measure. This is closely related to

another important issue: biodiversity conservation. Especially a suitable management of riparian zone which is always rich in biodiversity, but in many places its ecosystem has been degraded or damaged by hard river works and urbanization will be also effective for the soil conservation in the watershed. Our new training course aims to reduce the vulnerability of our society by using an adaptation management in drainage basin. It proposes a new drainage- basin management system which adjusts to present and future natural conditions by reducing the vulnerability, and by increasing the resilience to global climate change.

II. Description

1. **Title (J-No.):** Adaptive Watershed Management to Climate Change: Disaster Risk Reduction and Ecosystem Conservation (202107956J001)
2. **Online Program Period:** July 7 to August 12, 2022
3. **Target Countries:** India, Sri Lanka, Suriname, Iran, Ethiopia, Albania
4. **Place and Time to Attend**

(1) Place

The program is conducted online. The place to take the online program will be determined depending on the internet environment. Please inform JICA overseas office of the place where you would like to take the program (e.g. home, office). If you cannot find the proper place, please consult with the JICA overseas office.

(2) Time for the Online Program (live stream)

The online program will be regularly scheduled live-streamed between around 19:00 and 21:00 in Japan Standard Time (JST). The time in each participating country is as follows:

Country Name	Japan	India	Sri Lanka	Iran	Ethiopia	Albania	Suriname
Start Time	19:00	15:30	15:30	14:30	13:00	12:00	7:00
End Time	21:00	17:30	17:30	16:30	15:00	14:00	9:00

*In the context of the COVID-19 pandemic, please note that there is still a possibility the details will be changed without notice.

5. **Eligible / Target Organizations:**

Project implementation organizations engaging in flood control or ecosystem conservation in watershed areas.

6. **Course Capacity (Upper limit of Participants) :** 10 participants

7. Working Language: English

8. Program Objective:

Government officials of central and local governments or public specialized agencies involved in flood control and/or ecosystem conservation in watershed will learn about Japanese experiences on adaptive watershed management, including Ecosystem-based Disaster Risk Reduction (Eco-DRR), an approach to reduce and mitigate the negative impact of disasters by taking advantage of the ecosystems.

Through this program, participants will formulate action plan to attain sustainable watershed management, reducing disaster risk and conserving ecosystems.

9. Overall Goal:

Target organizations will acquire adaptive watershed management skills including ecosystem-based approach, thereby contributing to implementation of sustainable watershed management.

10. Expected Module Output and Contents:

This program consists of the following components. Details on each component are given below. (All components are provided by live lecture)

(1) Preliminary Phase (before Online-Program) <i>Participating organizations make required preparation for the Program in the respective country.</i>	
Expected Module Output	Activities
To formulate the Inception Report	Formulation and submission of Inception Report to JICA overseas office in respective country. Please refer to Attachment-1 in section VI.

(2) Core Phase (Online-Program) <i>Participants dispatched by the organizations attend the Program implemented by Online.</i> Used Media Zoom, JICA-VAN ("CornerStone OnDemand" including YouTube)		
Expected Module Output	Subjects / Agendas	Methodology (On-Demand & Online)

1. To be able to understand the hazards of various disaster risk increases in the watershed that is associated with climate change and development on a global scale.	*Global environmental changes *Approaches of disaster risk reduction and adaptation to climate changes *International efforts (including JICA) on adaptation to climate change and sea-level rise and ecosystem conservation	Lecture Observation Discussion
2. To be able to understand the concept of Eco-DRR and acquire ecological disaster risk reduction methods that do not depend only on structures.	*Basic landscape ecology *Basic use of GIS *Basic remote sensing *Watershed analysis *River law, river monitoring *Basin management (flood control and environment) and nature restoration *Plantation and sustainable forest management to reduce run-off and soil erosion in the watershed *Sabo Dam and reduction of debris transport *Practice on flood control: flood observation technique *Flood control by diversion channel *Flood control by retention pool *Dam influence on flood plain	Lecture Observation Discussion

3. To be able to devise Eco-DRR method for reducing various disaster risks in the target watershed.	*Traditional knowledge and technics for flood control *Task solving on conservation of biodiversity *Maintenance mechanism of biodiversity on flat plain rivers *River management and maintenance mechanism of biodiversity *Citizen participation and biodiversity conservation on public works *Water quality and environmental conservation of drainage basin *Capacity development on water resources	Lecture Discussion
4. To be able to devise a sustainable management plan for the entire river basin by using concrete Eco-DRR methods in the target watershed area.	*Task analysis workshop *Review session *Interim report guidance	Lecture Practice Discussion

III. 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) Be nominated by their government,
- 2) Current duties:
Mid-level working officers in charge of flood control, forest management, erosion control, watershed management or ecosystem conservation projects within organizations
- 3) Experience in the relevant fields: Individuals with at least five(5) years experience,
- 4) Educational background: be university graduates or equivalent,
- 5) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more (This workshop includes active participation in discussions, action plan (final report) development, thus requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc., if possible)
- 6) Health: must be in good health, both physically and mentally, to participate in the Program in Japan.
- 7) Preferable to have computer literacy because this program contains subjects on GIS (Geographical Information System).

(2) Recommended Qualifications

- 1) 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..
- 2) Expected requirements* specific for the online course
- 3) Hardware: PC or tablet with speaker/microphone and web camera

4) Software: Zoom, YouTube, Google Chrome/ Microsoft Edge/ Internet Explorer, Microsoft Excel/ Word/ Power Point, PDF, E-mail.

5) Internet Connection: speed enough to use as shown in 2) software above

6) Time availability: willingness to join the live session from 7:00 pm to 9:00 pm in the all regions. The time is Japan Standard Time.

*If you need any assistance for preparation of the learning environment, please consult the JICA overseas office. Please note that the JICA overseas office may not be able to assist with all requirements.

3. Required Documents for Application:

(1) Application Form: The Application Form is available at the JICA overseas office or the Embassy of Japan in respective country.

(2) Photocopy of passport: to be submitted with the application form, if you possess your passport. If you do not have a passport, please submit photocopy of alternative official identification.

*Photocopy should include the followings:

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

(3) Nominee's English Score Sheet: to be submitted with the Application Form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS), please attach it (or a copy) to the application form.

(4) Inception Report: to be submitted with the Application Form. Refer to Attachment-1 for Inception Report in section VI, and submit it along with the Application Form **by June 10, 2022.**

4. Procedure for Application and Selection:

(1) Submitting the Application Documents:

Closing date for application to the JICA Center in Japan: **June 10, 2022.**

Note: Please confirm the closing date set by the JICA overseas office or the Embassy of Japan in respective country to meet the final date in Japan.

(2) Selection:

After receiving the documents through proper channels from your government, the JICA overseas 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 shall be made by the JICA overseas office (or the Embassy of Japan) in respective country to the respective Government by **not later than June 28, 2022.**

5. Conditions for Participation:

- (1) to strictly observe the course schedule,
- (2) 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,
- (3) to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (4) to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (5) Due to copyright reasons, it is not allowed to record/shoot of Zoom screen. Participants must follow the "Terms of Use",
https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/online/online_01.html
- (6) to refund allowances or other benefits paid by JICA in the case of a change in schedule.

IV. Administrative Arrangements

1. Organizer:

Name: Ms. ISHIDA Yayoi, JICA Hokkaido Center (Obihiro)

Contact: obic_kccp@jica.go.jp

(Address) 1-2, Minami 6-chome, Nishi 20-jo, Obihiro, Hokkaido 080-2470, Japan

(Tel) 81(*)-155(**)-35-1210 (Fax) 81(*)-155(**)-35-1250

Note: *: country code for Japan, **: area code for Obihiro

(Email) obic_kccp@jica.go.jp

(Website) www.jica.go.jp/obihiro/english/office/index.html

2. Expenses:

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

Online Program

- (1) Expenses related to the online program will be paid according to the regulations of JICA overseas office, if necessary.
- (2) Details will be provided at the time of notification of acceptance.

V. Other Information

1. Participants who have successfully completed the training program will be awarded a certificate by JICA. The certificate is awarded to those who have participated in all programs, and those who have attended only a few days are not eligible.

VI. ANNEX:

Attachment-1

Inception Report

Applicants are requested to prepare the Inception Report with application on the following issues, and submit it to the JICA overseas office in respective country or JICA Hokkaido (Obihiro) by **June 10, 2022**, preferably by e-mail to obic_kccp@jica.go.jp

a. Purposes

- (1) To clarify current situation, issues or problems that applicant is facing with.
- (2) To provide advance information to lecturers.

b. Contents

- (1) Name of applicants
- (2) Name of organization
- (3) Map of land use and vegetation
- (4) Population
- (5) Basic climatic condition
 - 1) Mean annual temperature
 - 2) Monthly air temperature
 - 3) Monthly precipitation data
- (6) River data
 - 1) River length and surface of drainage basin
 - 2) River discharge data, monthly or Max and Min., if available
 - 3) Water qualities, if available, indicate BOD, COD level or any bio-index etc.
- (7) Please name specifically the endangered species of plants, animals and insects which should be conserved from the viewpoint of biodiversity in your designated drainage basin.
- (8) Please indicate past flood data in the target drainage basin.

Name of the river: _____ unit: m³/s

Date / Period	Precipitation	Normal discharge	Peak discharge (hourly)

- (9) Subjects on which you would like to focus on this program

c. Layout

Typewritten in English, 3-5 pages (12-point font, double spaced, A4 size paper)

d. Presentation

The Inception Report is to be presented by each participant using MS Power Point at the beginning of the program.

(1) The time allocation for each presentation of the Inception Report will be about 10 minutes.

(2) It is advisable to bring some materials such as pictures or other visual aids to show your target drainage basin, condition of flood and ecosystem conservation.

Tentative Schedule

TIME (JST)		CONTENTS/TOPICS	
7 July	19:00 - 19:30	Orientation	Course Guidance
8 July	19:00 - 22:00	Presentation	Country report presentation & review
9 July	-		Holiday
10 July	-		Holiday
11 July	-	YouTube	Watching video materials (Dr. ONO Yugo)
12 July	-	YouTube	Watching video materials (Dr. NEGISHI Jyunjichiro)
13 July	-	YouTube	Watching video materials (Dr. NAKAMURA Futoshi)
14 July	-	YouTube	Watching video materials (Dr. BABA Hitoshi)
15 July	-	YouTube	Watching video materials (Dr. YOSHIMURA Nobuhiko)
	19:00 - 20:00	Discussion	Review session (Dr. Ono)
16 July	-		Holiday
17 July	-		Holiday
18 July	-	YouTube	Watching video materials (Dr. ONO Yugo)
	19:00 - 20:00	Discussion	Review session (Dr. Ono)
19 July	-	YouTube	Watching video materials (Dr. ONO Yugo)
	19:00 - 20:00	Discussion	Review session (Dr. Ono)
20 July	-	YouTube	Watching video materials (Dr. NEGISHI Jyunjichiro)
	19:00 - 20:00	Discussion	Review session (Dr. NEGISHI Jyunjichiro)
21 July	-	YouTube	Watching video materials (Dr. NEGISHI Jyunjichiro)
	19:00 - 20:00	Discussion	Review session (Dr. NEGISHI Jyunjichiro)
22 July	19:00 - 20:00	Discussion	Review session (Dr. Ono)
23 July	-		Holiday
24 July	-		Holiday
25 July	- 19:00	YouTube	Watching video materials (Dr. NAKAMURA Futoshi)

	19:00 - 20:00	Discussion	Review session (Dr. NAKAMURA Futoshi)
26 July	-	YouTube	Watching video materials (Dr. NAKAMURA Futoshi)
	19:00 - 20:00	Discussion	Review session (Dr. NAKAMURA Futoshi)
27 July	19:00 - 21:00	Lecture	PCM
28 July	19:00 - 21:00	Lecture	PCM
29 July	19:00 - 20:00	Discussion	Review session (Dr. Ono)
30 July	-		Holiday
31 July	-		Holiday
1 Aug	-	YouTube	Watching video materials (Dr. BABA Hitoshi)
	19:00 - 20:00	Discussion	Review session (Dr. BABA Hitoshi)
2 Aug	-	YouTube	Watching video materials (Dr. BABA Hitoshi)
	19:00 - 20:00	Discussion	Review session (Dr. BABA Hitoshi)
3 Aug	-	YouTube	Watching video materials (Dr. YOSHIMURA Nobuhiko)
	19:00 - 20:00	Discussion	Review session (Dr. YOSHIMURA Nobuhiko)
4 Aug	-	YouTube	Watching video materials (Dr. YOSHIMURA Nobuhiko)
	19:00 - 20:00	Discussion	Review session (Dr. YOSHIMURA Nobuhiko)
5 Aug	19:00 - 20:00	Discussion	Review session (Dr. Ono)
6 Aug	-		Holiday
7 Aug	-		Holiday
8 Aug	-	YouTube	Watching video materials (Dr. ONO Yugo)
	19:00 - 20:00	Discussion	Review session (Dr. Ono)
9 Aug	-	YouTube	Watching video materials (Dr. ONO Yugo)
	19:00 - 20:00	Discussion	Review session (Dr. Ono)
10 Aug	19:00 - 22:00	Lecture	Final Report Presentation Preparation
11 Aug	19:00 - 22:00	Lecture	Final Report Presentation Preparation
12 Aug	19:00 - 22:00	Presentation	Final Report Presentation

*Please note that there is still a possibility the details will be changed without notice.