

खानेपानी मन्त्रालय
सचिवज्यूको सचिवालय
दर्ता नं:- १६८८
मिति :- २०८१/१२/१९

CC: Mr. Bhrigu DHUNGANA, Joint Secretary, NEAD, Ministry of Foreign Affairs
Mr. Dhani Ram SHARMA, Joint Secretary, IECCD, Ministry of Finance
Ms. Mira ACHARYA, Joint Secretary, Administrative Reform & HR Planning Division, MoFAGA
Mr. Yamlal BHUSAL, Joint Secretary, Administration Division, NPC

of Foreign Affairs
y of Finance
rm & HR Planning Division, MoFAGA
sion, NPC

JICA Knowledge Co-creation Program (Master's Degree Scholarship Program)

Water Engineering and Utility Management Future Leaders Training Program

Course Period in Japan:
from **April 2026** to **March 2028**



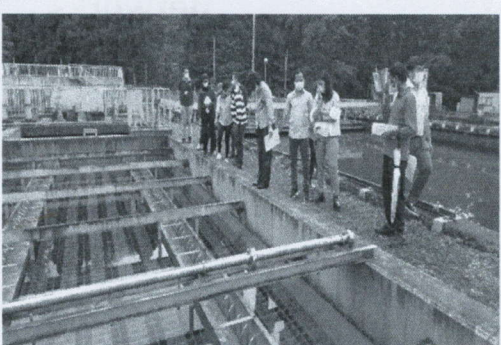
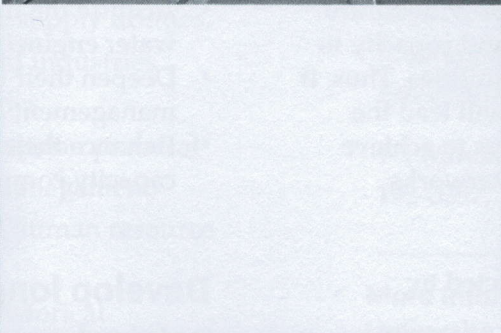
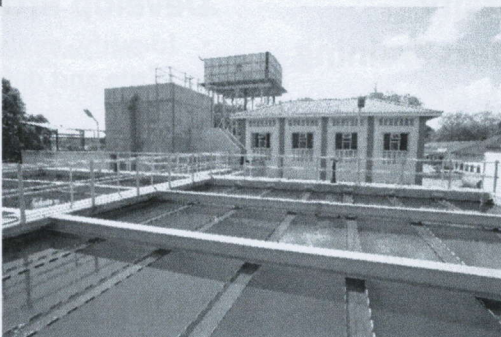
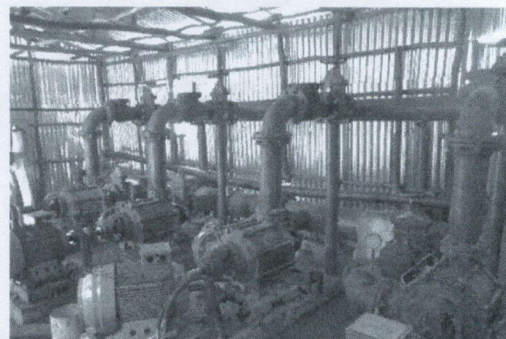
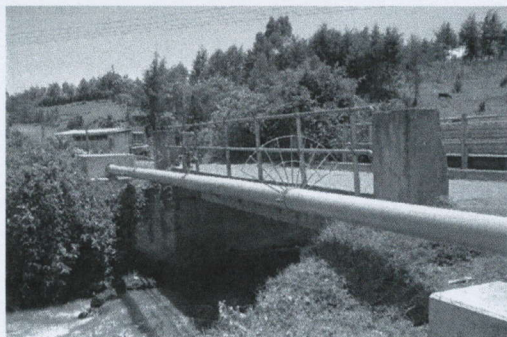
JICA Knowledge Co-creation Program (Master's Degree)
**Water Engineering
and
Utility Management
Future Leaders Training Program**

This information pertains to one of the Japan International Cooperation Agency (JICA)'s Knowledge Co-Creation Program (Long-Term). This handout gives information on the overview of the program. This program will be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both governments.



Experience
of Japan

For Future Leaders in Water Sector



to Gain Core Competence

For what?

“Water Engineering and Utility Management: Future Leaders Training Program”

is a Master's Degree Program offered by Tokyo Metropolitan University in collaboration with the Japan International Cooperation Agency (JICA) as one of the Knowledge Co-Creation Programs for Long Term Participants.

The objective of this program is to provide future leaders with the knowledge, skills and capacity to design, operate and manage water utilities. Thus, it is anticipated that the participants will lead the water supply sector of their countries to achieve better water supply service and waterworks management.

Therefore, the participants are expected to:



Develop Problem-solving skills

- Identify, analyze, and solve issues logically
- Write and defend a master thesis
- Understand, interpret, and apply experiences of other waterworks

Acquire comprehensive knowledge of the field of waterworks

- Acquire the theoretical and systematic basis of water engineering
- Deepen their understanding of utility management
- Enhance their theoretical and practical capacity comprehensively

Develop long-term connections and networks

- Develop network with other participants from waterworks in Asian countries
- Develop networks with Japanese water professionals and students
- Develop long-term partnerships with Japanese universities and waterworks

How?

In this program, the participants will pursue Master's Degree under distinguished professors in the Department of Civil and Environmental Engineering, Graduate School of Urban Environmental Sciences, Tokyo Metropolitan University.

The Program consists of a regular graduate program for study and research in water supply engineering and management at Tokyo Metropolitan University and additional Programs as follows:

- Internship at Japanese water supply utilities,
- Field trips to waterworks and industries with cutting-edge technologies,
- Special lectures and workshops on practical topics such as waterworks management, administration, finance, and human resource development,
- Special lectures on Japan's historical experience to achieve sustainable and quality water supply management, and
- Networking with participants from other Asian and African countries and Japanese water professionals.

Language used in the Program

English

Degree & Certificate

M Eng (Master of Engineering), Tokyo Metropolitan University and a certificate by JICA will be awarded upon successful completion of the program.

Where?

The participants of the program will study at Tokyo Metropolitan University located in Tokyo, the capital of Japan and the world most populous metropolis.

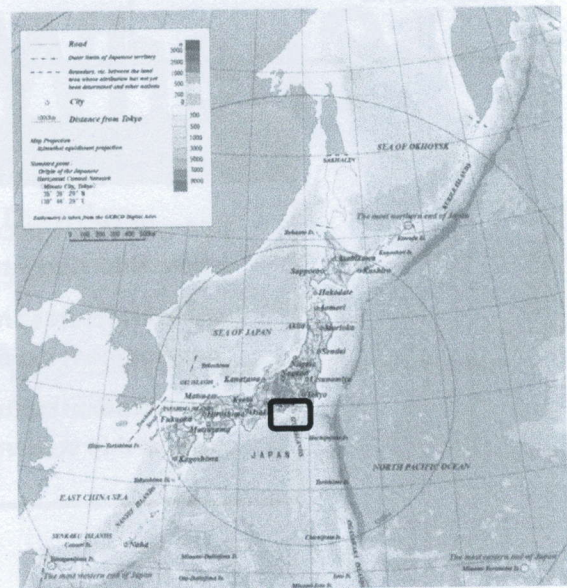
University Information

Tokyo Metropolitan University,
Department of Civil and Environmental
Engineering, Graduate School of Urban
Environmental Sciences,

1-1 Minami-Osawa, Hachioji-shi, Tokyo
192-0397, Japan

More Information on Tokyo Metropolitan University

<https://www.tmu.ac.jp/english/index.html>



Program Outline

The program consists of a regular graduate program for study and research in water supply engineering and management at Tokyo Metropolitan University and additional custom-made programs shown below:

1. Master's Degree Program

- 1 Acquire theoretical knowledge by course work
- 2 Acquire problem-solving capacity through field survey and research on practical topics
- 3 Acquire a master's degree in the Department of Civil and Environmental Engineering, Graduate School of Urban Environmental Sciences, Tokyo Metropolitan University

2. Special Programs in addition to the regular course

Lectures	Field Survey / Field Trips	Others
Additional special lectures on; <ul style="list-style-type: none"> • Japan's experiences on water supply development • Water administration and utility management • Case study of Japanese waterworks 	<ul style="list-style-type: none"> • Field survey in Japan and/or home county for Master's thesis • Fields trips to water-related facilities in Japan 	<ul style="list-style-type: none"> • Short internship at Japanese waterworks • International conference and symposiums • JICA's other training programs

3. Common Programs (Optional)

JICA will offer the Common Programs for all JICA scholarship students such as;

- Special lectures and field trips on Japanese development experiences
- International cultural exchange among JICA scholarship students

Who can apply ?

Countries

Cambodia, India, Indonesia,
Laos, Nepal, Pakistan,
Philippines, Sri Lanka, Thailand

Organization

Water utilities or ministries in
charge of water supply

Qualifications

- **Experience**
at least three (3) years of practical experience in waterworks, government agencies, or other positions in water sector in their countries
- **Age**
less than thirty-five (35) years old as of enrollment
- **Educational Background**
have a bachelor degree or higher in engineering, science or other disciplines relevant to management of water supply systems
- **Language**
have the linguistic skills required to take courses and receive research guidance in English
- **Health**
in good health both physically and mentally, to participate in the program in Japan

Gender Equality and Women's Empowerment

JICA seeks more female applicants due to the past records of fewer applications from women. JICA is committed to promoting gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.

Expectation for Participants

- To play a leading role in ministries or waterworks in the future
- To have adaptability and receptivity to study and research in a foreign country

Number of participants

Maximum 5 participants

When?






Duration

2 years
(April 2026 to March 2028)

The scholars are expected to matriculate in April 2026

List of supervisors



Department of Civil and Environmental Engineering
Faculty

Supervisors' List			
Position	Name		Research Subject
Environmental System Field			
Professor	Yoshiyuki IMAMURA		Hydrology, Disaster Risk Reduction, Flood Risk Management
Professor	Katsuhide YOKOYAMA		Environmental Hydraulics, Sediment Transport and Water Environment in a Reservoir, a River, and an Estuary
Associate Professor	Yasuhiro ARAI		Water Supply Engineering, Environmental Engineering, Municipal Solid Waste Management Planning, Optimization Model
Associate Professor	Hiroshi SAKAI		Drinking Water Treatment, Water Supply Systems, Wastewater Treatment and Reuse, Diffuse Pollution
Associate Professor	Tetsuya SHINTANI		Coastal and Ocean Engineering, Stratified Flow, Computational Fluid Dynamics

IMPORTANT INFORMATION:















Regarding choice of Supervisor, please be informed that the University reserves right to select the Professor/Supervisor for each candidate as per his/her research interest or research theme.

Program Coordinators

Program Coordinator			
Position	Name		Research Subject
Professor (Project)	Satoshi TAKIZAWA		Water supply engineering, Water and wastewater treatment
Associate Professor (Project)	Benyapa SAWANGJANG		Water supply engineering, Water and wastewater treatment

Program coordinators oversee the whole program and provide guidance to the students.

Cooperative Faculty Members

Position	Name		Research Subject
Infrastructure Field			
Professor	Jun MURAKOSHI		Bridge Engineering, Steel/Composite/Hybrid Structure, Fatigue, Buckling Stability, Long-Term Durability and Maintenance
Professor	Hiroyuki ONEYAMA		Traffic Engineering, Transportation Planning, Transportation Environmental Analysis, Traffic Simulation, Transportation Network Analysis
Associate Professor	Tomoki ISHIKURA		Infrastructure Policy, National and Regional Planning, Macroeconomic Dynamics, Spatial Economics, Computable General Equilibrium Analysis
Associate Professor	Hitoshi NAKAMURA		Structural Engineering, Bridge Engineering, Structural Characteristics of Cable-Supported Bridges, Application of Advanced Composite Materials for Infrastructures, Repair and Strengthening of Existing Structures
Assistant Professor	Yusuke KISHI		Structural Engineering, Seismic Engineering, Disaster Mitigation Engineering
Assistant Professor	Masami YANAGIHARA		Traffic Flow Analysis, Driving Behavior Modeling, Traffic Simulation, Traffic Psychology, Information Processing
Environmental System Field			
Assistant Professor	Hideo AMAGUCHI		Hydrology, River Engineering
Assistant Professor	Gubash Azhikodan		Hydraulic Engineering, Estuarine hydro- and morphodynamics, Cohesive sediment transport, Phytoplankton dynamics
Safety and Disaster Prevention Field			
Professor	Nobuharu ISAGO		Stability evaluation of ground in mountain tunneling and shield tunneling, evaluation of load-bearing capacity of support member, maintenance methodology, and design and operation method of attached facilities of tunnel
Professor	Yoshiya ODA		Exploration Geophysics, Engineering Seismology, Earthquake and Volcano Disaster Prevention
Associate Professor	Kentaro OHNO		Concrete Engineering, Nondestructive Evaluation for Concrete Structures, Elastic wave techniques for Concrete
Associate Professor	Atsushi UENO		Concrete Engineering and Material Science, Environmental Consideration of Concrete and Concrete Making Materials, Evaluation of Properties of Concrete Making Materials
Associate Professor	Mitsutoshi YOSHIMINE		Soil Mechanics, Laboratory and Field Tests of Geomaterials, Soil liquefaction, Stability of Slopes and Embankments, Soil Dynamics, Transportation and Sedimentation of Debris
Assistant Professor	Kosuke KAWATA		Evaluation of deformation performance and mechanical behavior of a tunnel during external force Sophistication of tunnel design, construction and maintenance technology

IMPORTANT LINKS :

- The department of Civil and Environmental Engineering <https://civil.ues.tmu.ac.jp/en/>
- Graduate School and Faculty of Urban Environmental Sciences <https://www.ues.tmu.ac.jp/en/index.html>
- Tokyo Metropolitan University <http://www.tmu.ac.jp/english/index.html>

Steps to Japan

Application through JICA office

Please submit the following documents to the JICA Overseas Office by 18 April 2025.

- ☒ Application Form (Part A, B, Annex 1, and 2) with ID photos (4cm × 3cm)
- ☒ Academic Transcript of bachelor degree (and higher, if applicable)
- ☒ Certificate of English Proficiency (if any) or any other documents to be substituted.

*All documents should be submitted in electronic form.

Screening of documents

JICA and the University will review the application documents and select those who will proceed to take the online interview.

Notification of Screening Result

The results of the screening will be notified through Program coordinators by mid-May 2025.

Online Interview

The online interview with faculty members of the University will be held in May 2025.

Notification of online interview result

The results will be notified through JICA Overseas Office by 20 June 2025.

Admission application to the University

Please submit the following application documents to the University by email no later than the **end of July 2025**. Upon finalizing the online registration, applicants must submit all application documents via express mail **by 8 August 2025**. Also, Final Online Interview will be held by the end of August (subject to change).

- ☒ Application Form (Part A, B, Annex 1, and 2) with ID photos (4cm × 3cm)
- ☒ Academic Transcript (Original)
- ☒ Certificate of English Proficiency (if any)
- ☒ Certificate of Diploma of bachelor degree (or higher, if applicable)
- ☒ Recommendation Form (Form F)

Notification of Final Result by mid-October 2025 by e-mail

Procedure for JICA Scholarship

Please submit the following documents to the JICA Overseas Office by the early December 2025.

- ☒ Official Application Form* including Medical History and ID photos (4cm × 3cm)
*to be confirmed and signed by the head of the relevant department / division of the applying organization
- ☒ Photocopy of Passport
- ☒ Certificate of Health (Original)

*All documents should be submitted in electronic form.

Letter of Acceptance* by end-January 2026 by e-mail

Procedure for University Enrollment; February to March 2026

Flight to Japan; March 2026

Steps to Japan: some details

Certificate of English Proficiency

Applicants are required to submit at least one of the following documents which will attest the applicant's English skills:

- English grades during University (academic transcript of English classes)
- Certificate of English as the Medium of Instruction
- TOEFL
- IELTS
- TOEIC

Letters of recommendation

Applicants are required to submit a Recommendation Form (Form F) from a research advisor during undergraduate studies or another faculty member who knows the applicant well.

Details on dates of admission application to the University

- (1) Online Application period: **15:00 JST, 1 July 2025 – 15:00 JST, 31 July 2025**

Note: Applicants are required to submit all the "Submission documents" by email no later than 15:00 JST, 31 July 2025.

Email: admission-fues@mj.tmu.ac.jp

- (2) Deadline for application documents by post: **8 August 2025**

Note: Application documents **have to reach** the Academic Affairs Section, Urban Environmental Sciences, Tokyo Metropolitan University by the deadline by post.

Mailing address: 1-1 Minami-Osawa, Hachioji-shi, Tokyo 192-0397, Japan

The Academic Affairs Section of Urban Environmental Sciences, Tokyo Metropolitan University

- (3) Selection by the University: **August to September 2025**

Details on dates of University Enrollment Procedures

Successful applicants are required to follow the instructions written on the email which will be sent by the university around late February 2026.

Expenses covered by JICA

✓ Air ticket

Round-trip ticket between an international airport designated by JICA and Japan (actual amount)

✓ Allowances

- JPY 147,000/month¹ for living expenses and accommodation
- Moving and outfit allowance will be provided only once upon arrival.

✓ Admission Fee, Tuition

Application fee, admission fee and tuition of Japanese university

✓ Expenses for

- Special Programs (Field survey, internships, international conference, etc.)
- Common Programs (Special lectures, cultural exchange, etc.)

✓ Medical care for

participants who become ill after arriving in Japan. Costs related to pre-existing illnesses, pregnancy or dental treatment are NOT covered.

Expenses NOT to be covered by JICA

JICA will not bear costs other than the allowances described in left. JICA is not responsible for the following expenses:

- (1) Passport fees (for re-issuance and extensions, etc.)
- (2) Visa fees of a transit country and transportation expenses to obtain Visa
- (3) Transportation expenses to obtain Japanese Visa
- (4) Domestic travel expenses in the home country
- (5) Departure tax²
- (6) Airport tax²/airport facility charges² outside of Japan, including third countries
- (7) Customs duty
- (8) Excess baggage charges³
- (9) Compensation for lost and/or damaged baggage
- (10) "no show charge" to the transit airport hotel (not refundable)
- (11) Lost - ticket fee
- (12) Accommodation fee for day-use hotel in return flight
- (13) Transportation expenses other than official programs
- (14) Telephone bill or mini-bar tab at accommodation
- (15) Medical costs related to pre-existing illness, pregnancy, and dental treatment
- (16) Medical cost related to the same illness over 180 days
- (17) "National Health Insurance" fee

Note: If participant does not follow the regulation of JICA, the participant may have to bear such other cost of necessary expenses.

1. This amount (JPY 147,000/month) is actual amount provided in FY2024 and be subject to change. JICA overseas office will notify the actual amount of allowance before your departure.

2. When these taxes should be paid separately from airfare, JICA will not pay it.

3. Please take care of each flight's baggage allowance in your round route. Some participants may use more than one airline company. Each airline company sets its own baggage allowance. JICA will not bear the gap between your baggage weight and baggage allowance.

Conditions for Participation

The accepted applicants/participants of KCCP are required

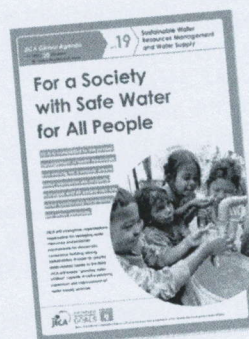
- (1) to understand that participants must physically come to Japan to participate in this program at the date designated by JICA,
- (2) not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants on their own,
- (3) not to change course subjects or extend the course period,
- (4) to understand that inviting participant's family members is not recommended before their stay in Japan has passed more than 6 months,
- (5) to return to their home country on the designated flight by JICA, when they finish the program/course or when it is deemed impossible to finish the program within the program period, or when the participant is not successful on the regular course examination,
(Please note that participants prepare by yourself all the documents necessary for the regular course examination.)
- (6) to acknowledge that a leave of absence from school is not permitted in principle
- (7) 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,
- (8) to enroll and complete JICA-DSP online courses, when you receive JICA's instructions to do so.
- (9) to understand that the maximum duration of research student is 6 months for both master's and doctor's courses, and duration of acceptance as a regular student is based on the course years determined by the university,
- (10) to observe the rules and regulations of the program implementing partners to provide the program or establishments, ("Plagiarism" especially is taken severely by enrolling university, regardless of whether it is direct plagiarism or self-plagiarism and participants may be subjected to disciplinary action such as suspension),
- (11) not to engage in political activities, or any form of employment for profit,
- (12) to agree to be discontinued of the program, should the participant (a) violate Japanese laws, JICA's regulations, or University's regulations, (b) commit illegal or any type of immoral conduct including sexual harassment, (c) become critically ill or seriously injured, after arrival in Japan.
- (13) to be responsible for paying any cost for treatment of the said health conditions except for the medical care expenses described in the table of "11. Expenses To be borne by JICA,"
- (14) to return the total amount or a part of the expenditure for KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (15) not to drive a car or motorbike in Japan, regardless of an international driving license possessed,
- (16) to observe the rules and regulations at the place of the participants' accommodation,
- (17) to refund allowances or other benefits paid by JICA in the case of a change in schedule,
- (18) to accept that 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,
- (19) to submit a Health Certificate in JICA format at the participant's expense. The certificate must be the results of health check-up within 6 months before arrival in Japan
- (20) to accept to submit a second Health Certificate in JICA format if deemed necessary by JICA. The cost of acquiring the Health Certificate will be borne by JICA unless it is required due to the candidates' fault.
- (21) to promptly resubmit your medical history, If there are changes in your health condition, such as pregnancy or a pre-existing disease,
- (22) to be in good health to participate in the program. In order to reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest when consulting the doctor for your Health Certificate,
- (23) not to be receiving nor plan to receive another scholarship during the program,
- (24) to understand not to make other applications for different JICA training courses at the same time,
- (25) to understand that the maximum duration of "Overseas research" and "Temporary Leave (leaving Japan for private purpose)" is 60 days, in principle.
- (26) to accept to take tuberculosis related inspections organized by JICA after arriving in Japan and to submit the results to JICA and university.
- (27) to approve the following conditions on summary of my thesis;
 - ① Summary of the thesis shall be kept at JICA.
 - ② Summary of the thesis can be read by anyone who made a request to JICA .
 - ③ Summary of the thesis can be used for publication by JICA or JICA website.
 - ④ Taking Photocopy of the thesis shall be allowed by anyone with JICA's permission.

For Your Reference

Leaflet: JICA Global Agenda: Sustainable Water
Resources Management and Water Supply
~For a Society with Safe Water for All People~



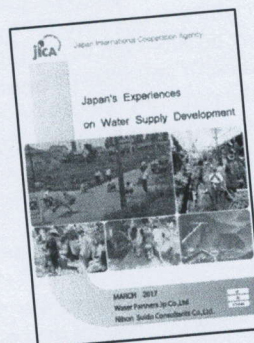
[Click Here](#)



Textbook: Japan's Experiences on Water
Supply Development



[Click Here](#)



(memo)



Memorandum for the Director, Office of Water Engineering and Utility Management

TO: Director

FROM: [Name], [Title]

SUBJECT: [Subject]

1. [Text]

2. [Text]

3. [Text]

4. [Text]

5. [Text]

6. [Text]

7. [Text]

8. [Text]

9. [Text]

For Your Reference

For more JICA Global Agenda: Sustainable Water
Resources Management and Water Supply
"For a Society with Safe Water for All People"



TOKYO
METROPOLITAN
UNIVERSITY

CORRESPONDENCE

For enquiries and further information,
please contact the JICA office in your country.

Further, address correspondence to:

**Water Resources Group, Global Environment
Department, Japan International Cooperation
Agency (JICA)**

Address: Nibancho Center Building 5-25 Niban-cho,

Chiyoda-ku, Tokyo 102-8012, Japan

EMAIL: gegwt@jica.go.jp (Rep.)