



JICA Knowledge Co-Creation Program for Long Term Participants (JICA Development Studies Program)

General Information on GX Human Resources Development for Energy Sector JFY2026

**長期研修「GX 人材育成プログラム」
(2026 年度)**

This handout provides an overview of the “**GX Human Resources Development for Energy Sector**” program/course, which is one of Japan International Cooperation Agency (JICA)’s Knowledge Co-Creation Program (Long-Term). The program will be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between respective governments.

The objective of the Knowledge Co-Creation Program (Long-Term) is to offer opportunities to people from developing countries to study at higher educational institutions in Japan and to help them build their network of people. This is intended to assist in the human resource development plans of the governments of developing countries and Japan, and eventually to expand and strengthen bilateral ties between the developing countries and Japan.

0. Background

What is JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet revised the Development Cooperation Charter in June 2023, 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.

What is JICA Development Studies Program (JICA-DSP)

Japan is the very first country and still is one of the very few countries that has modernized from a non-Western background to establish a free, democratic, prosperous, and peace-loving nation based on the rule of law, without losing much of its tradition and identity. With such belief, JICA invites future leaders from partner countries to Japan under KCCP, and offers them opportunity to learn about Japan's unique modernization and development experiences. This special program is called, JICA Development Studies Program (JICA-DSP).

JICA-DSP is provided to all participants of KCCP during their stay in Japan. JICA will offer participants various opportunities through which they can learn about Japan's modernization and development experiences.

<https://www.jica.go.jp/english/activities/schemes/dsp-chair/index.html>

1. Overview

Until now, JICA has provided training programs as a part of technical cooperation in various fields. In order to strengthen networks between the target countries in respective fields, JICA established a new long-term training program to foster young/middle-aged bureaucrats, academicians and leading human resources in various fields of target countries who are capable of influencing policy making processes in their countries or contributing to socioeconomic development in the near future.

This program, “GX Human Resources Development for Energy Sector” (JICA-DSP) is designed for future leaders in Energy sector to promote carbon neutrality and sustainable development in the world.

Today, one of the greatest challenges we face is the issue of climate change. To achieve the goals confirmed in the Paris Agreement, an energy transition away from fossil fuel-dependent energy supplies system is necessary. Meanwhile, the methods for achieving the energy transition remain under exploration. Furthermore, the development of new technologies is essential for its realization, and research and development efforts continue to this day.

In addition, further challenges arise in developing countries. For countries projected to experience significant population growth and economic expansion in the future, securing a stable energy supply is essential to realizing that growth. What is needed now to tackle these difficult challenges in the energy sector are policymakers capable of evidence-based policy-making and scientists engaged in the research and development of new technologies.

Based on understanding above, JICA implements “GX Human Resources Development for Energy Sector” in order to develop core human resources for energy transition toward carbon neutrality in developing countries.

The program/course will offer participants special curricula on Japanese developmental experience (JICA-DSP) and internships, if necessary, in addition to obtaining a Master’s or PhD. degree.

2. Objectives

- (1) To develop core human resources, such as governmental officials and scientists, who contribute to the energy transition toward carbon neutrality in developing countries. This program offers opportunities for such personnel to study following themes at graduate courses for master's degree / doctor's degree at graduate schools in Japan as international students (hereafter referred to as participants).

< Social Science Course >

- Energy transition policy and related laws and regulations
- Economic analysis model for energy demand and supply
- Business administration of energy and power companies

<Engineering Course>

- Next-generation decarbonization technologies
 - new-type nuclear generation system (ex. small modular reactor)
 - hydrogen/ammonia for generation
 - fusion energy
 - space solar power generation

- (2) To establish and maintain mid and long-term amicable relationships between target countries and Japan.

3. Course Outline

- (1) Program Title: **GX Human Resources Development for Energy Sector**
(2) Language of the Program: **English**
(3) Contents of the Program

<u><Mainly for Engineering Course if necessary></u> Research Student Program (maximum 6 months)	The maximum period for being a research student is six months in principle. Participants are required to prepare for the entrance examination of the respective graduate course. Research students are also able to participate in lectures, receive instruction from supervisors. Note: - Participants who failed the entrance examination are required to return to their home countries. - Necessity of research student program will be considered based on interviews with professors of respective Japanese universities (it would be mainly engineering course, but social science course might be required depends on the university).
---	--

Graduate Course Program (1-3 years)	Master's degree course / Doctor's degree course - Lecture - Research works for the thesis - Field research in home country (optional/up to budget) * Field research is mainly for engineering course and to be planned in accordance with the research theme and upon consultation with the supervisor.
Additional Special Program (Short-term Programs and Internship)	- JICA short-term (Summer/Spring) program: Summer - Energy Transition Policy (Intensive Course) Spring - site-visit tours Internship at institutions and firms in Japan (optional)

4. Duration

<Social Science Course>

Master's Degree Course Participant	From: End of Sep. 2026 To: March 2029 (maximum) - 1 or 2 years as a master's course student - Overall duration shall not exceed 3 years, in principle.
Doctor's Degree Course Participant	From: End of Sep. 2026 To: End of March 2030 (maximum) - 3 years as a doctor's course student - Overall duration shall not exceed 4 years, in principle.

< Engineering Course>

Master's Degree Course Participant	From: End of Sep. 2026 To: End of March 2029 (maximum) - 6 months as a research student if necessary - 2 years as a master's course student - Overall duration shall not exceed 3 years, in principle.
Doctor's Degree Course Participant	From: End of Sep. 2026 To: End of March 2030 (maximum) - 6 months as a research student if necessary - 3 years as a doctor's course student - Overall duration shall not exceed 4 years, in principle.

5. Number of Participants

(1) Around 15~25 participants from all the target countries for GX program.

(2) Target Countries

Indonesia, Philippines, Cambodia, Laos, Thailand, Vietnam, Malaysia, Timor-Leste, Palau, Solomon Islands, Sri Lanka, Bangladesh, Bhutan, Iran, Pakistan, Egypt, Uzbekistan, Nepal, Costa Rica, South Africa, Morocco, Kenya, Tanzania, Mongolia, Kazakhstan, Turkmenistan, Kyrgyzstan, Tajikistan, India, Brazil, Peru, El Salvador, Ecuador, Colombia, Nigeria, Mozambique, Ukraine, Jordan, Turkey

(3) Target Participants

This program is designed for the following two types of personnel.

Governmental Officials (Technocrats)	Technocrats who take part in policy making and administration related to energy transition policy, laws and regulations and management of companies in central/regional government, governmental research institutions or other related public organizations, and they are expected to study in Social Science Course. Mainly for Master's degree, but also Doctor's degree.
Scientists	Individuals who are responsible for research and development in the next generation decarbonization technology in higher education institutions. They are expected to study in Engineering Course for Master's degree and/or Doctor's degree.

6. Language to be used in this Program

English

7. Fields of Study at Japanese Universities

This program targets fields listed below. Please be sure to visit the website and choose your desired university from following list. If you are not sure about an appropriate university to apply for, JICA will propose you the university based on your research themes. In that case, please write “JICA” on University Information in the Application Form.

Please note that basically you cannot apply to universities that are not listed below, but based on the proposed Research Plan, JICA may propose you to a graduate school other than those lists.

< List of Universities for Social Science Course >

- ① Business administration of energy and power companies
 - **International University of Japan (IUJ): MBA with “Green Transformation” Concentration**
<https://www.iuj.ac.jp/im-info/>
- ② Economic analysis of transition model
 - **Ritsumeikan Asia Pacific University (APU): Asia Pacific Studies/Prof. Matsuo**
https://admissions.apu.ac.jp/graduate/academics/gsa_master/
 - **Waseda University: Graduate School of Environment and Energy Engineering /Prof.Otsuki**
<https://www.waseda.jp/fsci/gweee/en/>
- ③ Energy Transition Policy
 - **Hitotsubashi University: APPP Program/Prof.Sekine**
https://www.ipp.hit-u.ac.jp/appp/admission/who_can_apply.html
<https://www.ipp.hit-u.ac.jp/appp/8ad03644e37c65cfe412215bee3261d7f7aa9241.pdf>
- ④ Energy transition policy and related laws and regulations
 - **International University of Japan (IUJ): MBA with the “Green Transformation” Concentration**
<https://www.iuj.ac.jp/im-info/>
 - **National Graduate Institute for Policy Studies (GRIPS): Bulletin Degree Programs for Master’s students (One-year/Two year)**
https://www.grips.ac.jp/en/education/inter_programs/policy/
https://www.grips.ac.jp/en/education/inter_programs/policy2/

<List of Universities for Engineering Course>

① Fusion energy

- **National Institute for Fusion Science (NIFS)**: Accepted at the Graduate University for Advanced Studies, SOKENDAI
https://www.soken.ac.jp/en/admission/application_info/fusion/
- **Kyoto University**: Graduate School of Energy Science/Prof.Nagasaki
<https://www.energy.kyoto-u.ac.jp/en/>
※Open exclusively to doctoral course students.
※The timing for enrollment might be April 2027.

② Nuclear (Next generation nuclear power)

- **Institute of Science Tokyo**: International Graduate Program (C), School of Environment and Society
<https://www.titech.ac.jp/english/admissions/prospective-students/graduate-programs/igp-c>
- **Nagaoka University of Technology**: Nuclear System Engineering Laboratory/Prof.Takezawa
https://www.nagaokaut.ac.jp/j/nyuushi/gb/e/07_nuclear/index.html
<https://sites.google.com/vos.nagaokaut.ac.jp/nselab-en/home>

③ Space solar power generation

- **Kyoto University**: Graduate School of Engineering/Prof.Shinozaki
<https://www.t.kyoto-u.ac.jp/en/admissions/international>
※The timing for enrollment might be April 2027.

④ Hydrogen Energy

- **Kyushu University**: School of Engineering/Prof.Matsumoto
<https://www.eng.kyushu-u.ac.jp/e/admissions.html#graduate>
- **Kogakuin University**: School of Engineering/Prof.Shiratori
https://www.kogakuin.ac.jp/faculty/lab/ae_lab190.html

⑤ Energy Efficiency

- **Waseda University**: Graduate School of Environment and Energy Engineering /Prof.Onoda
<https://www.waseda.jp/fsci/gweee/en/>

8. Additional Programs for GX participants

Participants are required to attend short-term program in Summer (Energy Transition Policy) and in Spring (site-visit). Every program will be held during the course or a vacation period. All programs are carried out in English. Cost to attend the program will be borne by JICA. Details will be informed by JICA.

9. Eligibility

Candidate applicants must meet the following requirements:

- (1) Current Duties: young or middle-career government officials, prospective academics, who are expected to contribute policy formulation or its implementation for tackling sustainable developmental issues in respective fields.
※ In principle, candidates without affiliations are not eligible for acceptance.
- (2) Nationality: citizen of the above countries eligible for Japan's ODA
- (3) Age:
for master's programs, thirty-five (35) years of age or under in principle (As of April 1st, 2026).
for Ph.D. programs, forty (40) years of age or under in principle (As of April 1st, 2026).
- (4) Educational Background:
for master's programs, a Bachelor's Degree or Master's Degree holder
for Ph.D. programs, a Master's Degree holder
- (5) Language: adequate English skills both in written and oral communication to complete master's and/or Ph.D. courses with skills equivalent or exceeding the following;
TOEFL iBT: 80
IELTS: 6.5
- (6) Physical Presence: must physically come to Japan to carry out research activities to complete this program.
- (7) 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.
- (8) Others: must not be receiving nor plan to receive other scholarships from Japanese government, such as Japan Student Service Organization (JASSO), Japan Society for the Promotion of Science (JSPS), Japan Science and Technology Agency (JST), The Japan Foundation (JF) during the program during the program.

10. Admissions

Candidates must be selected as JICA's official candidate through JICA's internal selection procedure and must pass the general entrance examination*¹ of the university they have applied to, including examinations to enter the applicants' desired master's degree or Ph.D. degree course.

11. Application Guidelines

Candidate applicants must apply through the procedures as described below, which are necessary requirements by both applicant's Government and the Government of Japan for the Official Development Assistance.

(1) Procedures and Required Documents for Application:

Each applicant is required to submit the "Application Documents" *²listed in (2) below to JICA overseas office in charge of the applicants' country.

(2) -Application Documents

- Personal Information
 - Educational Background
 - Present Organization and Nomination
 - Work Experience
 - Declaration (Terms and Conditions needed to be agreed by candidate applicants)
 - Research Plan (Annex 2)
 - Career Plan (Annex 2)
 - Graduation certificate
 - * Officially certified copies of the original
 - * Written in English or accompanied with official translation
 - Academic transcript
 - * Must contain all the grades earned at the university attended by the applicant
 - * Officially certified copies of the original transcript
 - * Written in English or accompanied with official translation in English
 - Photocopy of certificate of English Test
 - A copy of Passport or ID with photo (for checking nationality, name, sex, and date of birth).
 - 2 ID photos (4cm × 3cm) pasted on application form (Original and copy)
 - Health certificate*³ (must be submitted with Medical History in JICA format to JICA office of your country at the applicants' expense, no later than April 30, 2026. The date of Health Certificate should be on or after April 1, 2026)
- *If you have any difficulties/disabilities which require assistance, please specify necessary

*¹ The results of JICA's screening procedure and University's general entrance examination will not accept any inquiry.

*² Submitted documents will not be returned

*³ Without the certificate, admission may become rejected.

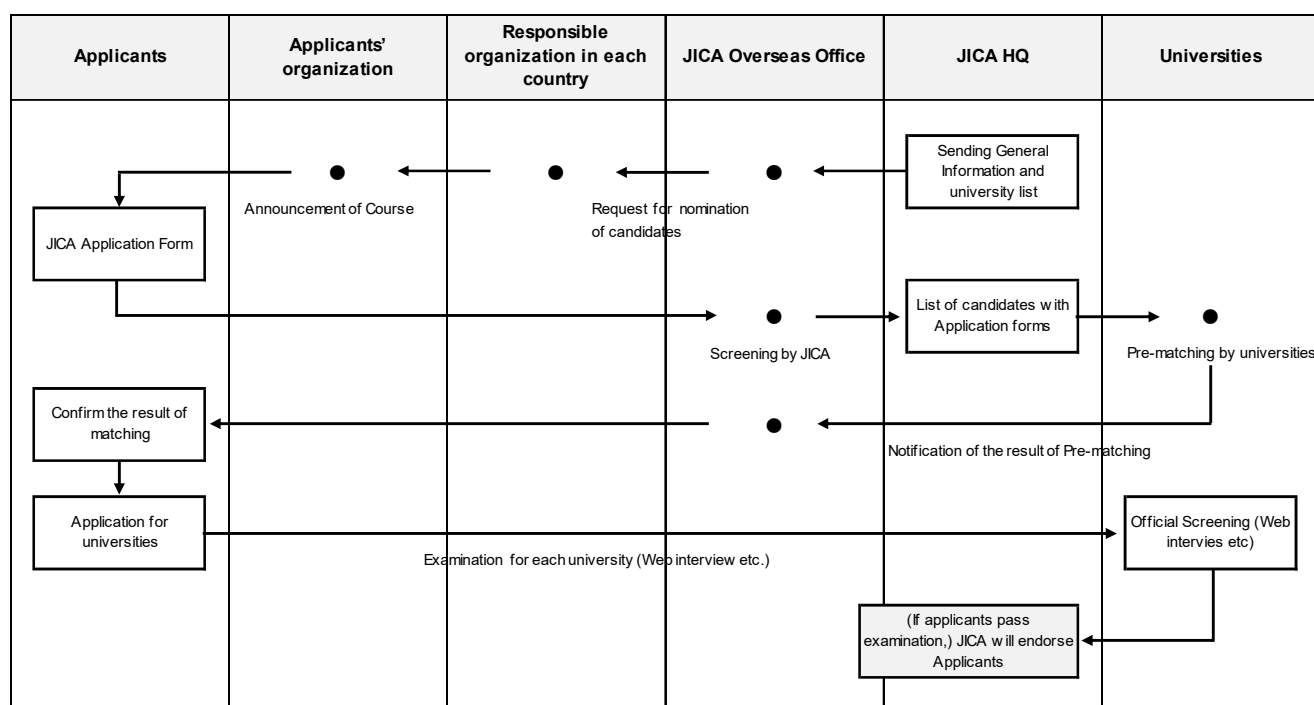
assurances in the Medical History(1-(c)) in order for JICA to prepare better logistics or alternatives.

(3) Procedures in General

Based on the above documents, candidate applicants are nominated and approved by their country's government, and later approved by JICA*. After this procedure, screening will be conducted at the universities chosen by the applicant.

Please kindly note that universities may reject the applicant's application when the required documents or the submitted research plan is not accepted by the universities.

Candidate applicants must follow each university's application procedure after the screening. If the applicants withdraw their applications after their official applications to the universities, applicants must inform their withdrawal to the university by letter.



(4) Points to be Noted regarding Procedures

- 1) Fees for English proficiency test can be reimbursed only within the same Japanese fiscal year (from 1st April to 31st March of the next year) when the general entrance examinations are taken. Details of the reimbursement vary by each area and should be consulted with the nearest JICA overseas office of each candidate.

* 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.

- 2) JICA shall determine whether the candidate is eligible to participate in training in Japan. JICA shall make a decision on acceptance or rejection based on several factors such as entrance examination results, planned number of participants, medical examination results and others. Reason for the decision will not be disclosed.

12. Schedule

The detailed schedule of selection procedures are as follows.

【By 1st of December 2025】 Deadline of Application Documents to JICA

- Complete set of application forms must be submitted to JICA overseas office in your country before and no later than 1st of December 2025.

【January - February 2026】 Screening of the Application Documents by JICA and University

- JICA will conduct screening whether the applicants meet the program's purpose and qualification set by JICA. JICA will share the information of qualified applicants with Japanese university.
- Japanese universities will examine the documents and may select candidates.
- JICA will inform applicants who passed the screening via JICA overseas office.

【February - May 2026】 Application to University by each applicant

- Applicants who passed the first screening by JICA and University will submit application to take University's general entrance examination **by themselves**.

【February - May 2026】 University's application procedure (Online)

- Applicants who applied to universities may have interview / exam through online meeting with faculty member of Japanese universities (it depends on the university's selection process).

【May - June 2026】 Arrival of results of general entrance examination from the university

- JICA will receive the results of exam from each university and will inform applicants about the results through JICA Office in your country.

【June - July 2026】 Determination of JICA KCCP (Long-term) participants

- JICA will decide participants of KCCP GX program and JICA Domestic Offices will start the preparation for acceptance.

*Schedule for the application period for the general entrance examination depends on each university.

*Schedule and program contents might be adjusted appropriately due to unforeseen circumstances.

* Any costs incurred during the selection procedures including travel expenses to selection venues will NOT BE COVERED by JICA.

13. Expenses To Be Borne By JICA

Under the JICA Long-term Trainee Allowance standards, JICA will cover expenses and allowance to participants accepted to the program/course. See the table below for further details. Note that the payments (e.g., for tuition, research support expenses, school support expenses) will not be paid to the accepted participants themselves, but directly to the university or other relevant institutions.

Expense category	Payment amount	Payment frequency
Tuition (examination fees, entrance fees, course fees)	Actual costs	According to the request from universities
Living Allowance	JPY 143,000–148,000 per month*	Every month via university
Airfare	Actual costs	Upon arrival in Japan and upon returning home
Outfit Allowance**	JPY100,000	Once (upon arrival in Japan)
Moving Allowance***	Up to JPY164,000-224,000	Once (during the training period)**
Research Support Expenses****	Actual costs (up to JPY360,000 per year)	
Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment are NOT included).	In accordance with the provisions of the medical insurance	

*Varies according to living area in Japan, type of accommodation, etc.

**Once, after opening bank account in Japan. As it takes several weeks to have the bank account opened, it is strongly recommended to bring cash for personal expenses during the period.

***Depending on the accommodation facility. Consultation with the university is required.

****Research Support Expenses are allowed to be provided via the university and be disbursed with the consultation and approval of the applicant's supervisor.

14. Expenses Not To Be Borne By JICA

JICA will not bear costs other than the allowances described above. 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 at the applicant's home country
- (5) Departure tax
- (6) Airport tax/airport facility charges outside of Japan, including third countries
- (7) Customs duty
- (8) Excess baggage charges
- (9) Compensation for lost and/or damaged baggage
- (10) "No show charge" to the transit airport hotel (non-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, or dental treatment
- (16) Medical cost related to the same illness over 180days
- (17) National Health Insurance fee

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

15. Conditions for Participation

The 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,
- (6) 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,

- (7) to enroll and complete JICA-DSP online courses, when you receive JICA's instructions to do so,
- (8) 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),
- (9) not to engage in political activities, or any form of employment for profit,
- (10) 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,
- (11) 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,"
- (12) 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,
- (13) not to drive a car or motorbike, regardless of an international driving license possessed,
- (14) to observe the rules and regulations at the place of the participants' accommodation,
- (15) to refund allowances or other benefits paid by JICA in the case of a change in schedule,
- (16) 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,
- (17) to submit a Health Certificate with Medical History in JICA format to JICA office of your country at the applicants' expense, no later than April 30 2026. The date of Health Certificate should be on or after April 1 2026. JICA will NOT reimburse the cost to the applicants,
- (18) 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,
- (19) to promptly resubmit your medical history. If there are changes in your health condition, such as pregnancy or a pre-existing disease,
- (20) 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,
- (21) not to be receiving nor plan to receive other scholarships from Japanese government, such as Japan Student Service Organization (JASSO), Japan Society for the Promotion of Science (JSPS), Japan Science and Technology Agency (JST), The Japan Foundation (JF) during the program,
- (22) to understand not to make other applications for different JICA training courses at the same time,

- (23) to understand that the maximum duration of “Overseas research” and “Temporary Leave (leaving Japan for private purpose)” is 60 days, in principle,
- (24) to accept to take tuberculosis related inspections organized by JICA after arriving in Japan and to submit the results to JICA and university,
- (25) 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
- (26) to acknowledge that a leave of absence from school is not permitted in principle,
- (27) 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,
- (28) to indicate all educational background, including currently enrolled university, if any,
- (29) to understand that the use of Generative AI such as Chat GPT to create Application Forms including Research Plans, and your research papers may not be acceptable and may result in rejection of your application or termination of training if discovered, according to each University policy.

16. Other Information

(1) Laptop PC

Participants are strongly recommended to bring their own laptop to conduct their research.

(2) Expenses

Please be noted that the “arrival allowance” is paid one or two weeks after opening bank account in Japan. **Therefore, JICA strongly recommends bringing approximately 100,000 JPY (about 800 USD depending on the rate) from your home country to bear the expenses that will be incurred before these allowances are paid after arrival in Japan.**

(3) Research data

Participants are recommended to bring their research data depending on your field of study, if necessary. Please check the regulations and consult to your supervisor.

17. Annex

Annex 1. Application Form

Annex 2. Letter of recommendation

Annex 3. Check List



CORRESPONDENCE

For enquiries and further information, please contact your nearest JICA office.