



Knowledge Co-Creation Program (Group and Region Focus)

Road Asset Management (A)



Course Number: 202107874-J001


Course Period: February 15th to March 17th, 2023
(Total: 9 days)



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 design sustainable and environmental friendly roads and bridges?

Gain insight to an essence of road asset
management policies, know-how,
more practical, more interactive,
more inspirational
from the experiences of Japan.



Outline

The Program targets middle-level engineers at central or local governments or government-related organizations responsible for road and bridge maintenance or road asset management.

The program will be held online and will include lectures, self-study and discussion with web conference.

All sessions are carried out in English.

The period of the program is from February 15th to March 17th, 2023. (Monitoring activities will continue up to later this year)

Course Capacity:
12 participants



JICA Knowledge Co-Creation Program (KCCP)

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

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For What?

Background

In recent years, owing to increasing vehicle traffic volume, growing population and aging physical infrastructure, maintenance costs of transportation system have become greater than ever.

Against this backdrop, road asset management has gained ground as an effective decision-making tool for cost minimization and future investment optimization.

Objectives

【Overall Goal】 Capacity development of engineers in charge of road planning, construction, operation and maintenance.

【Expected Outputs】

To achieve the above program objective, expected outputs are as follows;

Output 1:

To acquire basic knowledge and skills framework necessary for the maintenance cycle and understand the concept of road asset management.

Output 2:

To understand the current state of road asset management in respective home countries.

To Whom?

Job Areas and Organizations

This program is designed for middle-level engineers at central or local governments or government-related organizations responsible for road and bridge maintenance or road asset management.

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

Target Countries

7 Countries

(Egypt, Laos, Marshall Islands, Pakistan, Palestinian Authority, Papua New Guinea, Timor-Leste,)

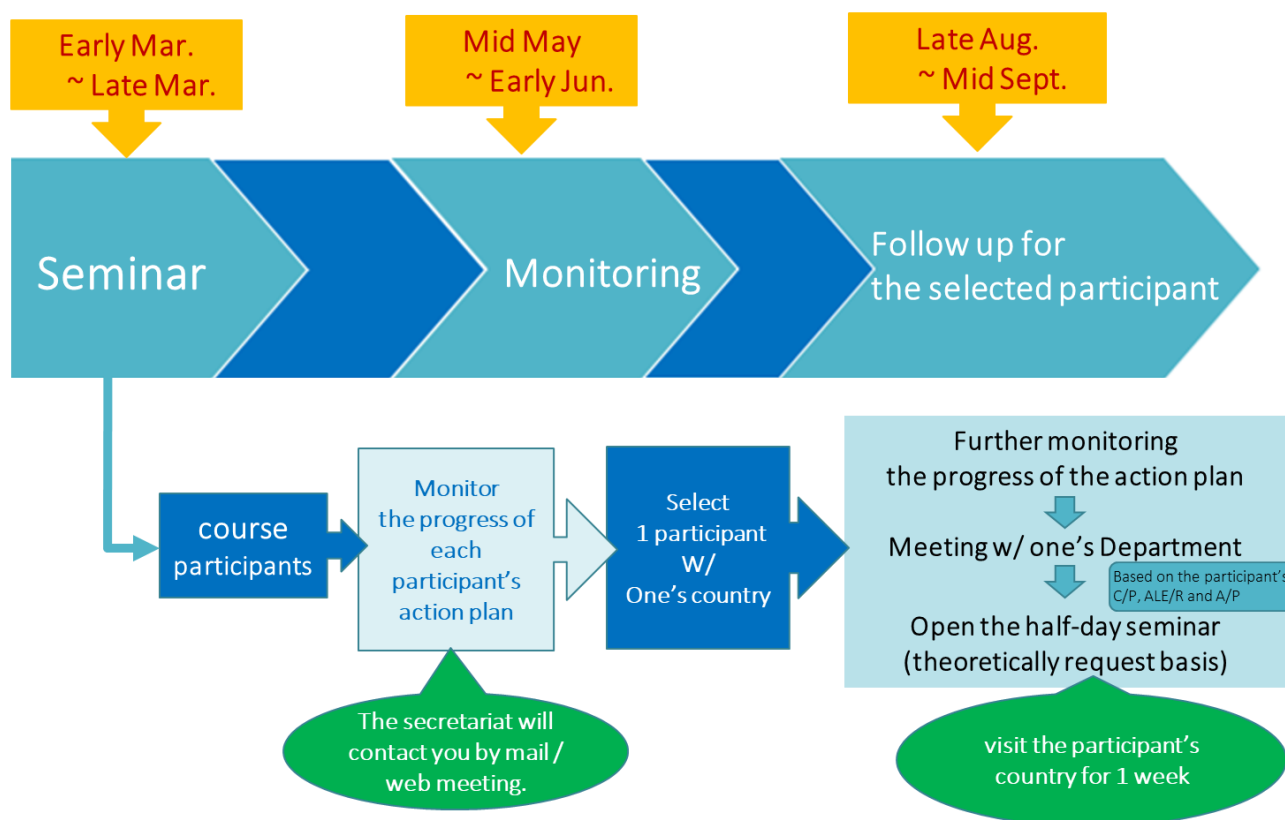
Participants who have successfully completed the program will be awarded an e-certificate by JICA.

Tokyo Center

Flow of the Program

Program

The overall program flow is as follows. Approximately three months after the completion of the training, a review will be conducted for each country participating in the training, and approximately three months after the completion of the review, monitoring activities will be conducted for approximately one week in two countries. The purpose of the review is to confirm and compare the implementation status of the action plan and the horizontal deployment of the training program, as well as to ensure that the skills and knowledge acquired in the training program are effectively and sustainably applied through the monitoring activities.



When?

Online Program Period



From March 6th to 17th, 2023

Online Session

On March 6th, 7th, 9th, 10th, 13th, 14th,
15th, 17th, 2023

Pre-orientation will be held as
follows.

Date: February 15th, 16th or 17th, 2023

Time: A) 13:30~15:30

B) 16:00~18:00 (JPN time)

*See page 16 for details.

Participants will be connected via
Zoom in following time zones.

Pakistan	10:00 - 14:00
Marshall Islands	17:00 - 21:00
Palestinian Authority	7:00 - 11:00
Egypt	7:00 - 11:00
Laos	12:00 - 16:00
Timor-Leste	14:00 - 18:00
Papua New Guinea	15:00 - 19:00

Where?

This course is carried out **online**,
organized by JICA Tokyo Center.

You will receive essential reading and
on-demand materials for your self-
study at your office or home.

As the entire program will be
conducted using the online conference
tool, “Zoom”, you are required to
have a certain IT environment. For
detail, see page 14.

How?

How to Learn



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

Language

English

Commitment to the SDGs



Program Schedule

Please see below for the details. The Program is subject to change without prior notification.

Date (2023)	Program
Mar 6 (Mon) < Live >	<ul style="list-style-type: none"> ● Opening Ceremony ● Program Orientation ● Country Report Presentation
Mar 7 (Tue) < Live >	<ul style="list-style-type: none"> ● Achievement Level Evaluation Presentation ● Exercise for Problem Analysis
Mar 8 (Wed)	(No obligated Activity is planned, but some volunteer activities can be planned...to be announced)
Mar 9 (Thu) < Live >	<ul style="list-style-type: none"> ● Introduction to Road Asset Management ● Deterioration Prediction and Long-Term Planning/Utilization of Construction By-Products (*)
Mar 10 (Fri) < Live >	<ul style="list-style-type: none"> ● Introduction to Structural Asset Management of Bridges ● Introduction to Structural Repair and Renewal of Bridges ● Deterioration Prediction and Long-Term Planning/Utilization of Construction By-Products (*)
Mar 13 (Mon) < Live >	<ul style="list-style-type: none"> ● Introduction to Inspection & Diagnosis of Bridges ● Introduction to Pavement Maintenance and Outline of Pavement Asset Management
Mar 14 (Tue) < Live >	<ul style="list-style-type: none"> ● Knowledge transfer for Road Asset Management ● Workshop for Human Resource Development
Mar 15 (Wed) < Live >	<ul style="list-style-type: none"> ● Pavement Repair Works and Recycling of by-products from Pavement Repair Works Generated Materials ● Deterioration Prediction and Long-Term Planning Presentation and Wrap-up ● Tutorial Session Preparation for Action Plan by Lectures
Mar 16 (Thu)	(No obligated Activities planned, but some volunteer activities can be planned...to be announced)
Mar 17 (Fri) < Live >	<ul style="list-style-type: none"> ● Action Plan Presentation ● Evaluation Meeting ● Closing Ceremony

(*) The group is divided into up to two teams, each attending one lecture each on Thursday and Friday.

Implementing Partner, Coordinator, Program Officer

Implementing Partner

Mr. TSUBOUCHI Masaki

Infrastructure Development Institute=Japan (IDI)

Message: Road asset management is not just the management and operation of existing road assets, but is an important part of the initiatives that will lead us to future development. The program offers seminars on the technical aspects of asset management, such as inspection, diagnosis, forecasts for prospects and human resource development, with some of our best minds in this field as lecturers. It also intends to benefit not only the participants themselves, but also the organizations and countries that dispatch them, by providing follow-up support for their efforts after the completion of the training. We look forward to working together with all participants in this program.

Ms. IGAMI Yuka

Infrastructure Development Institute=Japan (IDI)

Message: Our organization, IDI, will do our best to commit helping participants gain knowledge about Road Asset Management as much as possible. This year's training is online, but we are taking advantage of this to have more instructors participate, so we hope to deliver a fulfilling program. We will be supporting this program until the end of the follow up stage, which will continue up to later this year.

Coordinator

(To be determined)

She/he has extensive experience in coordinating the Knowledge Co-Creation Program (KCCP) and has been the Training Coordinator for many courses in the field of infrastructure.

Program Officer

Ms. WATANABE Sumire

Japan International Cooperation Agency (JICA)
Infrastructure Management Department

Ms. KAMEI Chihiro

Japan International Cooperation Agency (JICA)
Tokyo Center

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.
- (3) Overview of Expectations

	Contents	Details
Accepted applicants only	Advance preparation	➤ Submission of Presentation Material of Country Report Viewing of Video Lectures and Implementation of Assignments based on them
Accepted applicants only	Program 【Online】	➤ Participation in the Program (see Annex) ➤ Preparation & Presentation of Action plan
	Output	➤ Action Plan
	Follow-up activities (In home countries)	➤ Submission of Review Report (all participants) ➤ Monitoring and follow-up (1 country per course)

2. Nominee Qualifications

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

(1) Essential Qualifications

- 1) Experiences (Current Duties): 3 to 5 years' experience in inspection and diagnosis in the road maintenance sector.
*Career and work history
Must have a background in the road maintenance sector.
(During the course the applicant should be able to grasp the necessary information to prepare three reports [country report, achievement evaluation, and action plan] based on the actual condition of road maintenance in his/her country, or get support from the road maintenance related division)
- 2) Educational Background: University graduate or equivalent, specialized in civil engineering
- 3) Language: Proficient in speaking and writing in English
(Please attach official certificates for English ability, if possible)
- 4) Health: Participants must be in good health, both physically and mentally, to participate in the Program.
- 5) Age: 40 years old or younger in principle
- 6) Gender Consideration:
JICA is promoting Gender equality. Women are encouraged to apply for the Program.

(2) Technical Requirements:

- a. Technology Proficiency
 - Basic computer skills such as sending/receiving email with attachments and using a web browser.
 - Online course is delivered using the following services, Web Conferences (Zoom), Cloud Storage Service (Google), 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 your home or from your office.
 - Two screens may be used during the course, so availability to an additional monitor is preferable.
 - Operating System: Windows or Mac OS (Updated version is preferred).
 - Processor: Intel Core 2 Duo or higher; 2GHz or higher
 - Memory: 4GB of RAM or higher
 - Hard Drive Space: 5GB free disk space
 - Browser: Google Chrome is preferred browser. (Edge, Firefox, Safari can be used)
 - Others: Webcam Microphone, and Audio output Device (Speaker or Headset)
- d. Software (which may be required)
 - Zoom Client for Meeting (<https://zoom.us/download>)
 - * 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.

3. Required Documents for Application

- (1) **Application Form:** The Application Form is available at the **JICA overseas office (or the Embassy of Japan)**
- (2) **Photocopy of Passport or Official ID:** If you possess your passport, please submit its photocopy. If not, please submit any official ID you have.
- (3) **English Score Sheet:** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

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 20th, 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 February 10th, 2023**.

5. For Accepted Applicants

Accepted applicants are required to submit the following documents,

(1) Preparation for Presentation:

At the beginning of the program, all Participants are required to deliver a 15-minutes presentation of Country Report in MS Power Point (PPT) format.

Further instruction for preparing the Power Point presentation will be given only to the accepted applicants after Notice of Acceptance.

(2) Pre-orientation

Accepted applicants will be given a pre-orientation (about 2 hours) by Zoom with 2-3 people by time difference on either February 15 (Wed.), 16 (Thu.) or 17 (Fri.), 2023.

There will be two time slots every day, either A) 13:30~15:30 or B) 16:00~18:00(JPN time).

On the date of notification, the secretariat will send an e-mail from “roadam2020@idi.or.jp” confirming your preferences, and we ask that you immediately inform us of your first to third choices. It is recommended that you make effort to keep all slots open.

(3) Preliminary Survey (Microsoft Forms)

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) To participate in the whole program including program orientation
- (4) To respect copyright and portrait rights. To refrain from recording and sharing the video material, audio material, text, images, graphics, and other content available during the program except for cases with specific permission.

Administrative Arrangements

1. Organizer (JICA Center in Japan)

JICA Tokyo Center (JICA TOKYO)

<https://www.jica.go.jp/tokyo/english/office/index.html>

2. Implementing Partner

(1) Infrastructure Development Institute - Japan (IDI)

<http://www.idi.or.jp/en/>

(2) Name: Nippon Engineering Consultants Co., Ltd. (NE)

<https://www.ne-con.co.jp/ne-con/pub/english/>

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.



Correspondence

For enquiries and further information, please contact the JICA office or Embassy of Japan.

Further, address correspondence to:

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("81" is the country code for Japan, and "3" is the local area code)