



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

**GENERAL INFORMATION ON
Urban Railways Management
課題別研修「都市鉄道の運営」
JFY 2021**

NO. 202003194-J001

**Course Period: From November 4th to November 29th, 2021
(8 days in total)**

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)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out 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 center of mutual learning process.

I. Concept

Background

Social and environmental problems in urban areas, such as heavy traffic or air pollution, have been extremely serious in developing countries with growing population. In order to tackle these emerging issues, the construction of urban railway has been promoted in these countries to substitute automobile transportation.

Sound management of urban railways (i.e. safe and frequent operation, operation & maintenance (O&M), business administration, etc.) is necessary for sustainable development of urban transportation. In Japan, our urban railway systems accumulated vast information and experiences in urban railway management, and have been managed sustainably for decades. Through this program, these know-how and lessons learned from Japan's experiences will be shared to participants from developing countries to achieve sound management in urban railways in their respective countries.

For whom?

This program is offered to staff of urban railway companies (subways, trams, LRTs, etc.), and any organizations planning to run urban railways.

How?

This program consists of lectures, exercises and observation tours focusing on urban railway management, providing knowledge and experiences especially about railway company management, safety and efficient railway operation.

Eventually participants will formulate an "Action Plan" describing what they will do after their return utilizing what they have learned in this program.

II. Description

1. Title (J-No.):

Urban Railways Management (202003194-J001)

2. Course Period:

November 4th to November 29th, 2021
15:00~18:00 (Japan Standard Time)

3. Target Regions or Countries:

Bangladesh, Brazil, Kenya, Mongolia, Pakistan, Panama, Philippines, Sri Lanka, Thailand, Turkey and Viet Nam

※Standard lecture time is as followings;

Japan	15	16	17	18	19	20	21	22	23
Mongolia	14	15	16	17	18	19	20	21	22
Philippines	14	15	16	17	18	19	20	21	22
Viet Nam	13	14	15	16	17	18	19	20	21
Thailand	13	14	15	16	17	18	19	20	21
Bangladesh	12	13	14	15	16	17	18	19	20
Sri Lanka	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5
Pakistan	11	12	13	14	15	16	17	18	19
Turkey	9	10	11	12	13	14	15	16	17
Kenya	9	10	11	12	13	14	15	16	17
Brazil (Rio)*	4	5	6	7	8	9	10	11	12
Panama	1	2	3	4	5	6	7	8	9

*Summer Time (Starting November 7th, 2021)

4. Eligible / Target Organization:

This program is designed for urban railway companies (subways, trams, LRTs, etc.), and any organizations that are planning to run urban railways.

5. Course Capacity (Upper limit of Participants):

17 participants

6. Language to be used in this program: English (need to participate in the discussion)

7. Course Objective:

To understand the issues related to the operation of urban railways, and to propose an improvement plan for urban railway management system which is suitable for your country considering the current situation.

8. Overall Goal:

To improve the capabilities of planning safe and efficient urban railways for the person who is in charge of making the policy for urban railways in the national / municipal government, or related organization.

9. Expected Module Output and Contents:

(1) Expected Module Output

The participants are expected to:

- (a) Be able to explain the importance of safe and efficient operation of urban railways.
- (b) Understand the management system and organization of Japanese railway companies and to be able to apply to your country.
- (c) Understand overview of the operation and maintenance methods of Japanese urban railways.
- (d) Propose an action plan for the management system of the urban railways in your country / organization.

(2) Contents

Theme (Content
Project Evaluation	(a) Evaluation of Railway Business
Urban Railway System Planning and Design	(b) Urban Railways in Japan (c) Technical Standards in Railways
Procurement of Funds and Financial Arrangements	(d) Procurement of Funds (e) Fare Setting of Railway in Japan (f) Lessons from Railway Development in Tokyo Metropolitan Area and Issues of Railway PPPs in Asian Countries (g) Privatization of Japanese National Railways and its Impact (h) Planning of Management System (i) Operating Organization
Planning of Business Organization and Management System	(j) Country Report Discussion (Group Work) (k) Country Report Group Presentation
Coordination with Regional Development	(l) Coordination with Regional Development (m) Virtual Site-visit to Tokyo Station or Shinjuku Station
Sustainable Operation	(n) Safety Challenges and Lessons Learned from Experiences of Accidents (o) Railway Accident Investigation and Safety Recommendation and Opinion for accident reoccurrence prevention measures
Measures for Increasing Profit (XI)	(p) The way to increase profit (to increase the revenue of railway business and Non-railway Business)
Importance of Public Transportation Policy beyond the Mode	(q) Importance of Mobility Management

* A Hardcopy of *Urban Railways for Tomorrow – Planning, Construction and Operation – (KISS-RAIL2.0)* will be sent to participants through JICA oversea offices.
(http://www.iarts.or.jp/english_02.html)

Note: Please be noted that this program is designed to focus on urban railways.
Therefore, high-speed rail related contents are limited.

(3) Program

Please see Annex for the details of program schedule. Please note it is subject to change without prior notification.

III. Conditions and Procedures for Application

1. Expectations to the Participating Organizations

- (1) This program is designed primarily for organizations that intend to address specific issues or problems on urban railways service and management. Participating organizations are expected to use this program fully specifically for reinforcing their safety operational service.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with railways companies in Japan. These special features would 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

(a) Current Duties:

Be senior officers of the planning department of a railway company with an urban railway line, such as commuter rail, underground railway, LRT (Light Rail Transit) and MRT (Mass Rapid Transit), or its equivalent.

(b) Experience in the relevant field:

Have more than five (5) years of experience in the field of railway business

(c) Educational Background:

Be a university graduate or have an equivalent educational background

(d) Language:

Be proficient in spoken and written English (Please attach an official Certificate for English ability such as TOEFL, TOEIC etc., if possible)

(e) Health:

Must be in good health, both physically and mentally.

(f) Age:

Be at the age 45 years or younger in principle

(g) Technical Requirements for the Online Course (Computer):

Technology Proficiency:

- Basic computer skills such as, sending/receiving email with attachments, and using a web browser.

- This course is delivered using the following services : Web Conferences System (Zoom) and JICA's own Learning Management System called "JICA-Virtual Academy Network (JICA-VAN)".

(Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.)

(h) Equipment and Internet Connection Requirement:

- Regular access to a computer, either from your home or from your office.
- Operating System: Windows or Mac OS (Updated version is preferred).
- High Speed Broadband Connection (at least 2Mbps).
- Browser: Google Chrome, Edge, Firefox, Safari can be used.
- Webcam Microphone and Audio output Device (Speaker or Headset)

【Attention】 Internet access charge incurred for this course shall be borne by your organization or your house. If you find difficulty to meet the above requirements, please be sure to consult with the JICA office in your country before you apply.

In case you are using your office computer and you are unable to get permission to use Zoom, please contact the JICA office in advance.

(2) Recommendable Qualification

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

3. Required Documents for Application

(1) Application Form: The Application Form is available at **the JICA office (or the Embassy of Japan).**

(2) Attachments: to be submitted with Application Form

(a) Photocopy of passport or Official ID:

Please submit any official ID you have.

(b) Nominee's English Score Sheet: If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

4. Procedures for Application and Selection

(1) Submission of the Application Documents:

Closing date for applications: Please inquire to the JICA office (or the Embassy of Japan).

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to the JICA Center in Tokyo **by September 29th (Wednesday), 2021.**

(2) Selection:

After receiving the documents through proper channels from your government, the JICA 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 will be made by the JICA office (or the Embassy of Japan) not **later than October 8th (Friday), 2021.**

5. Conditions for Attendance

Participants of KCCP (see p11 “JICA and Capacity Development”) 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. It is necessary to attend more than 70% of the core programs for the receipt of certificate.
- (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.

V. Guidance of Documents to be Submitted

Accepted applicants are required to submit the following documents “1. Country Report” and “2. Fact Sheet”.

The detailed information for these documents will be provided later.

Submission: send it to the following e-mail address

by **November 10th, (Wednesday), 2021.**

e-mail address: tictree@jica.go.jp.

When sending e-mail, please include the course title, “Urban Railways Management ” and the name of your country.

IV. Administrative Arrangements

1. Organizer:

(1) Name: JICA Tokyo Center

(2) Contact: Ms. Chihiro KAMEI (tictee@jica.go.jp)

2. Implementing Partner:

(1) Name: International Policy and Project Division, Railway Bureau, Ministry of
Land, Infrastructure, Transport and Tourism (MLIT)

(2) URL: http://www.mlit.go.jp/index_e.html

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, Knowledge Co-Creation programs, JOCV programs, etc.

Within this wide range of programs, Knowledge Co-Creation programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs 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 are being customized to address the specific needs of different target organizations, 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 was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

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 this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

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.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

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