

Capacity Building Program for Railway Construction Management

June 2 (Thurs.) – June 23 (Thurs.), 2016

Seongnam & Daejeon, Korea



Korea International Cooperation Agency



Korea Rail Network Authority

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KOICA & CIAT

KOICA

The Korea International Cooperation Agency (KOICA) is a development aid agency of the Republic of Korea which was established in 1991. KOICA's mission is to reduce poverty, promote living standards and help realize sustainable, equitable and inclusive development in developing countries. To accomplish its mission, KOICA has been actively involved in enhancing developing countries' socio-economic infrastructure and institutions, empowering and providing the people of the developing world with opportunities for better lives and improving their well-being.

CIAT (Capacity Improvement & Advancement for Tomorrow) Programs

Human Resource Development (HRD) has been one of the most important factors in Korea's escape from the vicious cycle of poverty and underdevelopment which had existed for many decades. With scarce natural resources, HRD played a vital role in Korea's development; thus, Korea has emerged as an exemplary showcase of national development powered by HRD. From its own experience Korea came to fully recognize the significance of HRD. With extensive experience and know-how in HRD, Korea contributes greatly to the international community by sharing its unique development experience with other countries.

The CIAT Program provides opportunities to participants to gain first-hand knowledge of Korea's development experience. The programs are designed to enable the participants to apply what they have learned for the development of their home countries. Since 1991, KOICA has offered about 3,700 courses to more than 58,000 participants from 172 countries. There are a wide range of topics in the Program, including public administration, economic development, science and technology, agriculture and health, etc. In order to meet the changing needs of partner countries, KOICA always strives to renovate and improve its HRD programs.

Part I

PROGRAM OVERVIEW

1. Title: Capacity Building Program for Railway Construction Management

2. Duration: June 2 (Thurs.) – June 23 (Thurs.), 2016

3. Objectives

- a) To obtain knowledge about the whole procedure of railway construction & maintenance and related asset development;
- b) To learn recent technologies and advanced management system regarding railway construction and management;
- c) To share the knowledge, experiences and know-hows obtained by Korean railway professionals through rapid and successful development of Korean rail industry;
- d) To strengthen future cooperation in the railway industry and establish friendly relations between Nepal and Korea through social/cultural exchange

4. Number of Participants

18 participants from 9 countries:

Angola (2), Bolivia (2), Costa Rica (2), Mauritius (2), Nepal (2), Namibia (2), Paraguay (2), Peru (2), Serbia (2)

5. Language of Instruction: English

6. Venue: Seongnam & Daejeon, Republic of Korea

7. Implementing Agency: Korea Rail Network Authority (<http://www.kr.or.kr>)

8. Accommodation: KOICA International Cooperation Center (ICC)

9. Qualifications of Applicants:

Mandatory	<ul style="list-style-type: none">a) Be nominated by his/her government;b) Be in good health both physically and mentally, to undergo the course;c) Has not participated in the same KOICA fellowship program in the past 3 years - unless otherwise specified;d) Be management-level officials working at organizations directly related to railway management (policy-making, construction & management)e) Show a high level of participation and commitment throughout the course and promote capacity building in his/her organization after the completion of the program;f) Minimum level of experience in the railway field : more than 5 years (if possible)
Preferable	<ul style="list-style-type: none">a) Be management-level officials or experienced engineers working at organizations directly related to railway management (policy-making, construction & management); * Note: Korea Rail Network Authority is an organization mainly in charge of construction & management of rail network. It is recommended for the applicants to be aware that this fellowship program would more concentrate on the related subjects.b) Sufficient proficiency in spoken and written Englishc) Working knowledge of computers and PowerPoint software

10. Closing Date for Application: April 21, 2016

Part II**PROGRAM CONTENTS****1. PROGRAM MODULE**

Module	Main Lectures & Discussions	Study Visit
Module 1. (Case Study) Development of Korean Railway	<ul style="list-style-type: none">▷ Introduction of KRNA and Korean Railway▷ Current Status of Korean Railway Technologies▷ Trend & Tendency of Global Rail Market	<ul style="list-style-type: none">- Trial Ride on KTX- Trial Ride on Busan Metro (LRT)
Module 2. Railway Construction	<ul style="list-style-type: none">▷ Establishment of Railway Network Plan▷ Environmental Impact Assessment▷ Contract & Procurement Management▷ Rail Construction Design Management▷ Process Management	<ul style="list-style-type: none">- Osong Depot (Continuous Welded Rail Manufacturing)- Honam Railway Construction Site- Hyundai Rotem
Module 3. Railway Safety Management	<ul style="list-style-type: none">▷ Construction Safety & Quality Assurance▷ Disaster Management & Accident Prevention▷ Traffic Control System	<ul style="list-style-type: none">- Seoul Metro Traffic Control Center (Sadang Station)
Module 4. Facilities Management & Asset Development	<ul style="list-style-type: none">▷ Business Management (ERP System)▷ Railway Facility Management▷ Development of Station Area & Assets▷ Private Investment	<ul style="list-style-type: none">- Busan Station- Busan Anpyeong Rolling Stock depot- Seoul Station
Module 5. Action Plan Establishment	<ul style="list-style-type: none">▷ Country Report Presentation▷ Action Plan Establishment (Group Discussion)▷ Action Plan Presentation	-
Cultural Experience and Field Trips	<ul style="list-style-type: none">▷ Home Visit Program▷ Experience of Korean History: Gyeongju Historic Complex, Buyeo Baekje Historic Sites, Seoul▷ Experience of Korean Industry: Hyundai Heavy Industries	

1. GUIDELINES FOR THE PREPARATION OF THE COUNTRY REPORT

Program participants are requested to prepare and submit their country report individually or as a group to the Korea Rail Network Authority (KR) Training Manager via e-mail at dmcrats@kr.or.kr no later than **May 12, 2016.**

Note. The KOICA's Fellowship Program includes a 'Country Report' session where participants are given the opportunity to analyze each country's current status and circumstances in the program subject and share it with other participants and Korean experts. It aims to provide appropriate solutions and insights to the identified problems and issues of their countries.

The Country Report should be in MS PowerPoint or Word format. The length of the report should not exceed twenty A4-sized pages. The report should be written in English and double-spaced.

All participants are required to give a 15-minute presentation on their country report individually or as a group. For more effective presentations, a projector, slide projector, overhead projector, and multimedia TV will be available (PowerPoint presentations are preferred).

2. TOPICS TO BE COVERED IN THE COUNTRY REPORT

On the first day of the program, all participants will make an individual or group presentation titled "Country Report" following the guidelines below:

Based on what you have presented and discussed throughout the courses, you are requested to present an action plan on the last day of the workshop.

A. Subjects to be covered in your country report

Possible subject 1: Current status and perspectives of rail industry
(Organizational structure, size of the industry, planned projects, etc.)

Possible subject 2: Legal or regulatory base regarding railway construction,
Management and asset development

Possible subject 3: Strategy for rail network establishment and surrounding
Areas development

B. Details of Country Report Preparation

●National level service structure

- Introduce major players in railway industry of your country: Explain service scope of public/private sectors and introduce main roles and important characteristics of Ministry/Department/Bureau of Government, public authorities/organizations.
- Introduce the overall process of railway management; from policy-making through construction and maintenance, asset development to monitoring & feedback system.

●Strategic policies

- Describe government strategy or guidelines on rail industry development (Short-term & long-term strategic plans; vision & goals, priorities, strategic objectives & detailed action plans)

● Statistical data on the following information (Please indicate the source of the data).

- Total length of railways
- Maximum operation speed
- The number of passengers (daily/monthly average, current/expected)
- Other related statistical data

● Other relevant information

- Laws & Regulations related to railway construction & management
- Describe rail industry personnel capacity-building institutions or programs

1. GUIDELINES FOR PREPARATION OF THE ACTION PLAN

All participants are requested to prepare a presentation on their action plan individually or as a group at the end of the course. The action plan is to identify each country's current problems and propose appropriate solutions in order to solve these problems.

The participants are encouraged to make the most of their weekends and leisure time to further their knowledge acquired from the program and better prepare their presentation for the action plan.

2. TOPICS TO BE COVERED IN THE ACTION PLAN

- a) Identify various problems or challenges related to rail industry.
- b) Devise the best way to solve the problems by benchmarking Korea's cases and make proposals.
- c) Consider how it will affect the current problems and what advantages it will bring in the future.

1. IMPLEMENTING AGENCY

Korea Rail Network Authority (<http://www.kr.or.kr>)

Korea Rail Network Authority (KRNA) was founded in January 2004, as a quasi-government authority in charge of construction and maintenance of rail network in Korea, by merging construction part of former Korea National Railroad and former Korea High Speed Rail Construction Authority into one public organization.

Business Areas of KRNA include ► construction & maintenance of railway (high speed railways, conventional railways and intercity railways) ► management of railway facilities and associated asset development ► rail safety & disaster/crisis management ► R&D of rail technology ► overseas rail projects.

The vision of KRNA is to connect the whole country within 90 minutes. In this regard, two more high speed railways (HSR), namely Honam HSR and Seoul Metropolitan HSR, are under construction, following the 1st HSR (Gyeongbu HSR) opened in 2004.

On the basis of the experience and know-hows it has accumulated through construction & maintenance of high speed railways and conventional railways, KRNA is now actively going into global rail construction market. Currently, KRNA has completed or is conducting total 48 projects in 16 countries, including technical consulting service and supervision services in China, detailed design services in Nepal and project management consulting services for metro projects in India.

2. REGULATIONS

- Participants should participate in the program to the best of their abilities
- Participants should refrain from engaging in political activities or any form of employment for profit or gain
- Participants must return to their home country upon completion of the program and resume work in their country
- Participants should not extend the length of the program or stay for personal convenience
- Participants are not permitted to change the flight schedule arranged by KOICA for personal convenience
- Participants should not be accompanied by any member of their family
- Participants are to assume responsibility for any personal expenses incurred regardless of implementation of the course
- Participants are required to strictly observe the course schedule and abide by the rules and regulations stipulated by the Korean government in respect to the program
- Participants should cooperate in preventing any sexual harassment and attend a short training session regarding 'Sexual Harassment Prevention' on the first day of KOICA orientation.

3. CONTACT INFORMATION

- **Korea International Cooperation Agency (KOICA)**

- **Program Manager: Ms. Hyung-won LEE**

- Phone: +82-31-740-0419

- Fax: +82-31-740-0684

- E-mail: leeh@koica.go.kr

- Websites: <http://www.koica.go.kr>

- <http://training.koica.go.kr>

- <http://www.facebook.com/koica.icc>

- **Program Coordinator: Ms. Minha BAI**

- Phone: +82-31-8017-2660

- Fax: +82-31-8017-2680

- E-mail: minha0422@global-inepa.org

- **Name of the Implementing Agency**

- **Program Manager: Mr. Sangmin JEON**

- Phone: +82-42-607-3283

- Fax: +82-42-607-3289

- E-mail: dmcrats@kr.or.kr

- Home page: <http://www.kr.or.kr>

Appendix 1.

Brand Name of the KOICA Fellowship Program

KOICA has launched a brand-new name for the KOICA Fellowship Program in order to more effectively raise awareness about the program among the public and its partner countries.

In English, CIAT stands for Capacity Improvement and Advancement for Tomorrow and in Korean it means “seed (씨앗)” with hopes to contributing in the capacity development of individual fellows as well as the organizations and countries to which they belong.



Appendix 2.

facebook.com/koica.icc

The Fellows' Facebook is a place for fellows to ask questions and write comments on KOICA fellowship programs. So, if you have questions regarding our program, please feel free to join our Facebook community.



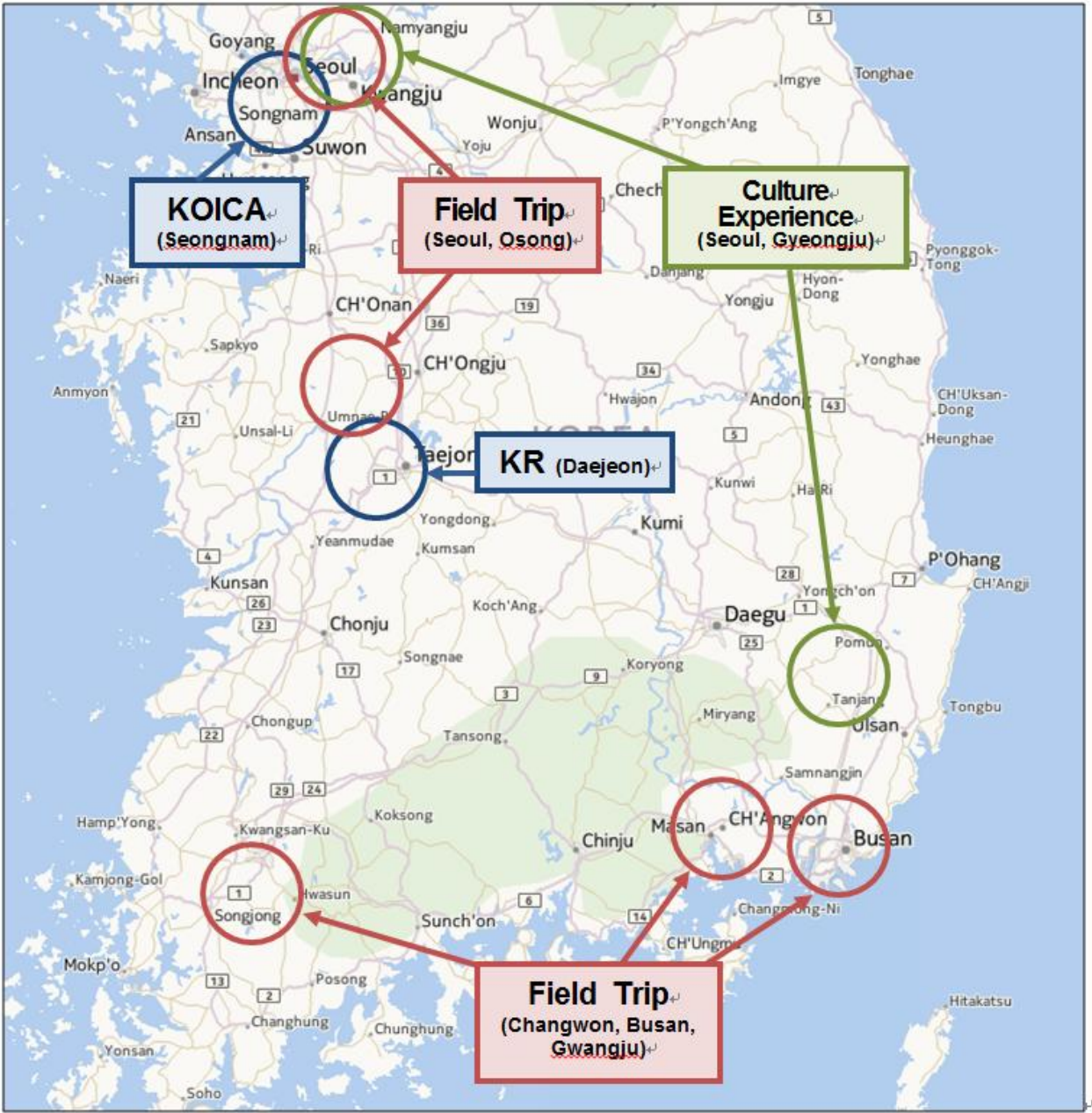
twitter.com/koica.icc

Do you have a Twitter account? It seems everyone does these days. If you have a Twitter account, be sure to follow us @koica_icc



Appendix 3.

Map of Korea



HOW TO GET TO THE KOICA ICC

- Route: Incheon International Airport → Korea City Airport, Logis & Terminal (CALT) → KOICA International Cooperation Center (ICC)
- **Arrival at Incheon International Airport (<http://www.airport.kr>)**

Flow:

- ▶ Fill out Arrival Card (or Immigration Card), Customs Declaration Form, Quarantine Questionnaire (on board)
- ▶ Quarantine including animals and plants (on 2nd Floor)
- ▶ Present your Arrival Card, Passport and other necessary document to Passport Control
- ▶ Claim baggage on 1st Floor
- ▶ Customs Clearance
- ▶ Pass an Arrival Gate
- ▶ Go to the KOICA Counter, which is located between Exit 1~2

• **KOICA Counter at Incheon airport**



Location : Next to Exit 1 on the 1st
floor (No.9- 10)
Tel. : 82-32-743-5904
Mobile : 82-(0)10-9925-5901
Contact : **Ms. Jin-Young YOON**

- After passing through Customs Declaration, please go to the KOICA Counter (located between exit 1~2) at Incheon Airport. At the KOICA Counter, you can get detailed information about how to get to KOICA International Cooperation Center (ICC) and purchase limousine bus ticket for City Airport, Logis & Travel (CALT).
- All the KOICA staff at the Incheon Airport wears nametags or has signs for indication. If you cannot meet the KOICA staff at the counter, please purchase a limousine bus ticket from the bus ticket counter (located on the 1st Floor), and go to CALT Bus Stop No. 4A (or 10B). Please find the bus number 6103 and present your ticket to the bus driver. From Incheon Airport to CALT, the approximate time for travel will be between 70 to 90 minutes. When you arrive at CALT, you will find another KOICA staff who will help you reach the KOICA ICC. KOICA will reimburse the limousine bus fare when you arrive at KOICA ICC. Also, please be aware that there may be illegal taxis at the airport. Even if they approach you first, please do not take illegal taxis and check to see if they are KOICA staff.

• **KOICA Counter at CALT airport**



Location : Lounge on the 1st floor of
CALT airport

Mobile : 82-(0)10-9925-5901

- If the limousine bus is not available due to your early or late arrival from 22:00 to 05:30.
- Please contact the KOICA ICC reception desk
(Tel. 031-777-2600 / English announcement service is available 24 hours daily)
- The staff at the KOICA ICC reception desk will let you know how to use a taxi. The taxi fare from the airport to KOICA ICC is normally 90,000 Won.

※ KOICA won't reimburse the taxi fare if you use a taxi during the hours of
05: 30 ~ 22:00.

• **From Incheon International Airport to the KOICA ICC through CALT**

- Take a City Air limousine bus at bus stop No.4A on the 1st Floor. Buses run every 10~15 minutes between the hours of 5:30 and 22:00.
- Meet the KOICA staff at the lounge on the 1st Floor of CALT upon arrival.
- Take a car arranged by the KOICA staff to the KOICA ICC (Expected time: 20 minutes)

"Please remember to read the Fellows' Guidebook. It is available from the Korean Embassy or KOICA Overseas Office in your country and provides valuable information regarding KOICA programs, allowances, expenses, regulations, preparations for departure and etc."