



JICA



DOH



TICA

**General Information
of
International Road Infrastructure Development
for ASEAN and BIMSTEC Networks
(Phase 2)**

Online 22 Aug- 7 Sep, 2022

Onsite January, 2023

Conducted by

The Government of Japan
Japan International Cooperation Agency

The Government of the Kingdom of Thailand
Thailand International Cooperation Agency
Department of Highways



Japan International Cooperation Agency (JICA)

ODA and JICA

Since 1954, Japan has been providing financial and technical assistance to developing countries through ODA (Official Development Assistance), aiming to contribute to the peace and development of the international community. JICA is in charge of administering all ODA such as technical cooperation, ODA loans and grant aid in an integrated manner. JICA assists and supports developing countries as the executing agency of Japanese ODA, and works in over 150 countries and regions and has some 100 overseas offices.

JICA's Vision

In accordance with its vision of "Inclusive and Dynamic Development," JICA supports the resolution of issues of developing countries by using the most suitable tools of various assistance methods and a combined regional-, country- and issue-oriented approach.

JICA's Mission

Mission 1 Addressing global agenda

Addressing the global agenda, including climate change, water, food, energy, infectious diseases and financing.

Mission 2 Reducing poverty through equitable growth

Pursuing sustained poverty reduction through inclusive and equitable growth.

Mission 3 Improving governance

Strengthening policies, institutions, organizations and human resources as underpinnings of development.

Mission 4 Achieving humansecurity

Protecting people from threats and building societies where they can live with dignity.

Japan International Cooperation Agency (JICA)

Thailand Office

31st Floor, Exchange Tower,

388 Sukhumvit Road,

Klongtoey, Bangkok 10110

Thailand

Telephone : +66 2261 5250

Facsimile : +66 2261 5263

Website : <http://www.jica.go.jp/thailand/english/index.html>



Thailand International Cooperation Agency (TICA)

TICA's Vision

TICA aspires to be a central agency on technical and development cooperation under the Royal Thai Government to serve as a bridge for global sustainable development.

TICA's Mission

TICA is the main agency to execute international development cooperation with foreign governments, international organizations and intergovernmental organizations.

TICA is the focal agency in formulating strategic guidelines and policies on international development cooperation to be comprehensively in line with the Royal Thai Government's foreign policies.

Objectives

- To develop international cooperation plan, study and analysis on cooperation policy including implementation, follow-up and evaluation of technical cooperation projects.
- To administer development cooperation programmes provided to developing countries according to foreign policies of the Royal Thai government.
- To cooperate with various development partners including foreign governments and international organizations to develop technical cooperation projects for development under bilateral and multilateral frameworks.
- To administer fellowships and scholarships offered to developing countries for human resources development in public and private sectors as well as civil society.
- To coordinate international development cooperation.
- To disseminate information regarding development cooperation to government agencies concerned and international organizations.

Thailand International Cooperation Agency (TICA)

Ministry of Foreign Affairs

8th Floor, Government Complex Building B (South Zone)

Chaengwattana Road,

Laksi District, Bangkok 10210

Thailand

Telephone : +66 2203 5000 ext. 43302

Facsimile : +66 2143 8357

Website : <https://tica-thaigov.mfa.go.th>



DEPARTMENT OF HIGHWAYS (DOH)

DOH's Vision

Save and Convenient Highway System Connected to the Development of Infrastructure in Thailand.

DOH's Mission

1. To develop connectivity, accessibility and mobility of Highway System for supporting economic and social movement in country.
2. To maintain serviceability and safety standard of highway for enhancing safety service of country's transportation.
3. To develop Organization Management based on governance system.

Responsibilities

1. Enforcing highway laws and other involved laws, especially on motorways, national highways and concession highway.
2. Research and development, renovation and maintenance of the motorways, national highways and concession highway.
3. Cooperating with domestic and international organizations regarding highways issues.
4. Other duties as appointed by law, the Ministry of Transport and the cabinet.

Office of Department of Highways (DOH)

2/486 Si Ayutthaya Road, Ratchathewi, Bangkok, 10400 Thailand

Telephone : +66 2206 3789 ext. 25422

Facsimile : +66 2354 6600

Website : <http://www.doh.go.th>

The Third Country Training Programme on “International Road Infrastructure Development for ASEAN and BIMSTEC Networks” (Phase 2) is conducted by the Government of Thailand and the Government of Japan as part of their Technical Cooperation Scheme. The course arrangements are set up by Thailand International Cooperation Agency (TICA), and Japan International Cooperation Agency (JICA) in collaboration with Department of Highways (DOH), Thailand.

Title

International Road Infrastructure Development for ASEAN and BIMSTEC Networks (Phase 2)

Purpose

Transferring and exchanging best practices and key knowledge on international road infrastructure development to ASEAN and BIMSTEC countries as well as formulating road network and collaboration among relevant road authorities in the regions.

Objectives

1. To develop knowledge and understanding on international road infrastructure networks development among ASEAN and BIMSTEC countries.
2. To develop knowledge and understanding on planning for road projects funded by overseas loans and grants.
3. To exchange best practices and experiences on road construction problems and solutions, highway and bridge design, road safety and other engineering issues.
4. To facilitate the exchange of knowledge and experiences among participants in order to promote mutual cooperation on road engineering issues.
5. To recommend new technology for road infrastructure development (if any)

Anticipated Benefits

Participants are able to gain knowledge and know-how on the following issues upon completion of the course:

1. International Road Network Development & Road Management and Administrative System
2. Planning for Road Projects
3. Highway Design
4. Road Construction Project Administration
5. Slope Engineering for Highway
6. Road Traffic Safety
7. Experiences on road, motorway and international bridge project technical visits.

Duration

The training will be 3 consecutive training courses within JFY 2023. However, because of COVID-19 pandemic, the first training course will be divided into 2 courses : online from 22 Aug – 7 Sep, 2022 and onsite in Thailand, tentatively in January, 2023

Invited Countries

The government of the following countries will be invited to nominate their staffs to apply for the course: ASEAN: Cambodia, Indonesia, Lao PDR, Malaysia, The Republic of the Union of Myanmar, The Philippines, Vietnam, and Thailand and BIMSTEC: Bangladesh, Bhutan, Nepal, and Sri Lanka

Number of participants: The Total number of participants is 25.

Language

The courses will be conducted in English.

Institution

The course will be conducted by Department of Highways (DOH).

Venue

The course will be conducted mainly at the office of Department of Highways (DOH), Ministry of Transport located at 2/486 Si Ayutthaya Road, Ratchathewi, Bangkok, Thailand. Tel: +66 2206 3789 ext. 25422 Fax: +66 2354 6600 Website: <http://www.doh.go.th>

Qualification

The participants are required to have the following requirements.

- 1) be nominated by their respective Government in accordance with the procedure stipulated in Application Procedure (1);
- 2) have completed at least Bachelor Degree or equivalent academic background in Civil Engineering or related field in Road Engineering;
- 3) be government official with at least 5 (five) years working experience in Road Engineering;
- 4) be under 50 years of age;
- 5) be proficient in spoken and written English;
- 6) be in good health both physically and mentally; each participant should have a health certificate provided by an authorized physician. The medical report form is also attached together with the Nomination form. Pregnancy is regarded as a disqualifying condition for participation in the Course; and
- 7) not to be serving in the military.

Remarks :

The nominee who is accepted to attend the TCTP onsite in Thailand **MUST BE** the same person who already passed the online session.

Application Procedure

- (1) The Government applying for the Course on behalf of its applicant(s) should forward three (3) copies of the prescribed application form and list of facilities existing for each applicant not later than **20 July, 2022** to the Government of the Kingdom of Thailand through the Royal Thai Embassy, or Consular Representative in their countries, and send one (1) copy directly to
 - Director, Human Resources Development Cooperation Division, Thailand International Cooperation Agency (TICA), Ministry of Foreign Affairs, The Government Complex, Building B (South Zone), 8th Floor, Laksi District, Bangkok 10210, THAILAND
Tel. +66 2203 5000 Ext. 43302, +66 2143 8451 e-mail: tctp.tica@gmail.com, siwalee.w@mfa.go.th
- (2) The Government of the Kingdom of Thailand will inform the applying governments for the applicants accepted to the Courses and will issue the invitation letter to accepted applicants not later than thirty (30) days before the commencement of the Course.

Certificate

Participants who have successfully completed the course will be awarded a certificate by JICA, TICA, and DOH.

Allowance and Expenses

The following allowance and expenses will be borne by the Royal Thai Government and the Government of Japan

- 1) Economy class round trip air ticket between the nearest International Airport of participants' countries and Bangkok will be issued by TICA to the approved candidate.
 - The approved candidates are requested to send a photocopy of their passport, the page which shows the correct names for arranging the electronic air ticket.
 - The electronic air ticket will be sent to the approved candidates.
- 2) Living allowance at the rate of Baht 600 per day (equivalent to approximately US\$18) will be paid to the participant during stay in Thailand. This living allowance is for food, local transportation and other personal daily expenses. However, each participant is suggested to have a pocket money for a few days expenses prior to the allowance payment.
- 3) In accordance with relevant regulations, under the health insurance arrangement, free minor medical treatment will be provided for participant who becomes ill during his / her stay in Thailand.

Accommodation and Meals

For Onsite Session : The accommodation of participants is located at The Grand Tower Inn Hotel, Rama VI Road, Bangkok. Participants should have their meals by their own per-diem.

Grand Tower Inn Hotel Bangkok,
402 Soi Rewadee Rama VI Road, Samsennai Phayathai, Bangkok 10400
Tel+662 618 6688
Website: <http://www.grandtowerinn.com>

Contact persons

For more information, please contact:

- Director, Human Resources Development Cooperation Division, TICA.
Tel. +66 2203 5000 Ext. 43302 Fax. +66 2143 8451
e-mail: tctp.tica@gmail.com, siwalee.w@mfa.go.th
- Ms. Manlika Nuankerd
Director, Foreign Relations Group, Bureau of International Highways Cooperation, DOH
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- Ms. Puttarucksa Ruangsiri
Human Resources Officer, Senior Professional Level, Training Division, DOH
Tel. +66 2206 3789 ext. 25422, +6681 822 1756 Fax. +66 2354 6600
e-mail: puttarucksa@hotmail.com

Other information: International Travelling

- 1) Participants are required to arrive in Thailand on the date as designated by TICA after confirmation of acceptance. However, it will be finally confirmed to the air tickets sent to the participants. The final confirmation of the air tickets will be sent to the participants in advance.
- 2) Participants should assume responsibility for other expenses occurred during travel between the participants' home countries and Thailand such as local transportation, passport fee, VISA fee or airport tax.
- 3) Prior to arrival in Thailand, all participants should obtain the Non-Immigrant VISA (F) from the Royal Thai Embassy or Royal Thai Consulate-General in their countries or the countries nearby.
- 4) Upon arrival at Bangkok International Airport, participants are asked to look for TICA sign the AOT Limousine customer relation counters and proceed to it. Participants are required to show the Instruction of Fellowship Award at the counter so that arrangements for airport transfer to the reserved hotel will be made. Participants do not have to pay for the AOT limousine service charge since the cost will be paid directly to AOT by TICA. Participants are recommended not to take a public taxi to the hotel by themselves as the taxi fees cannot be refundable from TICA
- 5) Participants shall not bring any members of their families with them during the training.

Course Outline

(JFY 2022)

Tentative Program

International Road Infrastructure Development for ASEAN and BIMSTEC

Online Courses

Day 1 (Mon 22 Aug): Course Introduction and Infrastructure Development of Thailand

- 09.00-09.30 Internet Data Testing
- 09.30-11.00 Course Orientation and Introduction
- 11.00-12.00 Opening remark by Director General of DOH
Opening remark by JICA / TICA
- 13.00-16.00 Infrastructure Development of Thailand: Land, Air and Water
Transportation Modes

Day 2 (Tue 23 Aug): Department of Highways in General and International Road Networks

- 09.00-12.00 Department of Highways' Road Management and Administration
- 13.00-16.00 ASEAN and BIMSTEC Networks

Day 3 (Wed 24 Aug): Feasibility Study for Road Project, Environmental Impact assessment, Public Involvement and Resettlement Plan

- 09.00-12.00 Feasibility Study for Road Project
- 13.00-16.00 Environmental Impact Assessment and Public Involvement and
Resettlement Plan

Day 4 (Thu 25 Aug): Public Private Partnership for Road Project and Overseas Loans for Road Project

- 09.00-12.00 Public Private Partnership (PPP) in Transport Infrastructure Project
- 13.00-16.00 Overseas Loans for Road Project: The Use of FIDIC International
Procurement Guideline, and Bidding

Day 5 (Fri 26 Aug): Procurement of Civil Work and Consulting Services

- 09.00-12.00 Procurement Flow for Civil Works and Construction Supervision
Consulting Services and Conditions of Contracts
- 13.00-14.30 Road Maintenance and New Maintenance Technologies Transferred
from Japan (Ex-Trainee from JICA Course)
- 14.30-16.00 Country Report Presentation (Annex-1)

Day 6 (Mon 29 Aug): Road and Bridge Design

- 09.00-12.00 Geometric Design for Highway
- 13.00-16.00 Highway Bridge Design

Day 7 (Tue 30 Aug): Pavement Management and Slope Engineering

- 09.00-12.00 Highway Materials and Pavement Structural Design
- 13.00-16.00 Embankment Design for Highway

Day 8 (Wed 31 Aug): Slope Engineering

- 09.00-12.00 Ground Improvement Techniques
- 13.00-16.00 Highway Slope Failure: Case Studies

Day 9 (Thu 1 Sep): Road Construction and Highway Materials Management

- 09.00-12.00 Highway Material Quality Control and Testing
- 13.00-16.00 Construction Contract Management

Day 10 (Fri 2 Sep): Road Construction Management

09.00-12.00 Cost Estimation for Road Construction

13.00-16.00 Problems and Resolutions for Road Construction: Case Studies

Day 11 (Mon 5 Sep): Slope Engineering

09.00-12.00 Earth Reinforcement System

13.00-16.00 Problematic Issues on Subsurface Water in Road System

Day 12 (Tue 6 Sep): Road Traffic safety

09.00-12.00 Road Safety Management

13.00-16.00 Road Safety Devices for Highways

Day 13 (Wed 7 Sep): Road Traffic safety and Closing Ceremony

09.00-12.00 Intelligent Transport System

13.00-15.00 Country Paper Presentation

15.00-16.00 Learning Reflection and Course Evaluation

Tentative Program

International Road Infrastructure Development for ASEAN and BIMSTEC

Onsite Session

		Participants arrive in BKK
Day 1	09.00-12.00	Course Introduction Budget Allocation Group Activities
	13.00-16.00	Depart for Udon Thani Airport Go to Nong Khai Province Reception Dinner
Day 2	09.00-12.00	Technical Visit: The 1 st Thai-Lao International Bridge at Nong Khai (International Bridge Management System: Border Control, CIQ System and Management of Traffic Safety)
	13.00-16.00	City tour and Cultural Visit Go to Beung Kan Province
Day 3	09.00-12.00	Depart for Technical Visit: The 5th Thai-Lao International Bridge at Beung Kan (Construction Project)
	13.00-16.00	City tour and Cultural Visit Go to Nakhon Phanom Province
Day 4	09.00-12.00	Technical Visit: The 3rd Thai-Lao International Bridge at Nakhon Phanom (International Bridge Management System: Border Control, CIQ System and Management of Traffic Safety)
	13.00-16.00	Land Transport Regulations for International Vehicles and Truck Loads Go to Nakhon Phanom Airport Depart for Bangkok
Day 5	09.00-12.00	Learning Reflection and Course Evaluation
	13.00-16.00	Farewell Lunch Closing Ceremony

Annex-1

Country Report for the Third Country Training Program on International Road Infrastructure Development for ASEAN and BIMSTEC

Content of Country Report

1. Name of Participant(s)
2. Chart of Organization the participant belong to, the type of participant's current responsibility, managing, training, instructing, and job description.
3. Information
 - General Information of Country, map and etc.
 - Organization Structure of Ministry and Department
 - Responsibilities of participants' organization, overall length of roads of country, classification of roads etc.
 - Road network connecting to neighboring countries
 - Laws and regulations related to roads and highways
 - Etc.