



JICA



DOH



TICA

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

Batch 2: 3-21 July 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

Leading the world with trust

JICA, with its partners, will take the lead in forging bonds of trust across the world, aspiring for a free, peaceful and prosperous world where people can hope for a better future and explore their diverse potentials.

JICA's Mission

JICA, in accordance with the Development Cooperation Charter, will work on human security and quality growth.

Actions

1. Commitment: Commit ourselves with pride and passion to achieving our mission and vision.
2. Gemba: Dive into the field ("gemba") and work together with the people.
3. Strategy: Think and act strategically with broad and long-term perspectives
4. Co-creation: Bring together diverse wisdom and resources.
5. Innovation: Innovate to bring about unprecedented impacts.

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 connects to development of basic infrastructure of the country.

DOH's Mission

1. Develop highway system to create perfect connectivity, accessibility and mobility to make progress of the country both in terms of economics and society.
2. Supervise serviceability and safety on highways to meet the standard in order to delivery good service to people.
3. Develop organization management system according to Good Governance principle.

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

3 weeks including weekends

Batch 2: 3-21 July, 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, Thailand and BIMSTEC: Bangladesh, Bhutan, Nepal, 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 Office of Department of Highways (DOH), Ministry of Transport located at 2/486 Si Ayutthaya Road, Rajathevee, 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.

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 15th May, 2023** to the Government of the Kingdom of Thailand through the Royal Thai Embassy, or the Royal Thai Consulate-General 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, via email from TICA.
2. Living allowance at the rate of Baht 600 per day (equivalent to approximately US\$17) 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

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
Tel. +66 2354 6707 Fax. +66 2354 6729 e-mail: manlika1@yahoo.com
- 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 incurred during travel between the participants' home countries and Thailand such as local transportation, passport 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 the Royal Thai Consulate-General in their countries or the countries nearby. VISA fee can be reimbursed from TICA with original receipt.
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 2024)

Tentative Program

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

Batch 2: 3-21 July 2023

(Sun 2 Jul): Participants arrive in BKK

Day 1 (Mon 3 Jul): Course Introduction and Infrastructure Development of Thailand

09.00-09.30 Registration

09.30-10.45 Course Orientation and Introduction (Preparation of Country Report Presentation and Budget Allocation)

10.45-11.00 Coffee break

11.00-12.00 Opening remark by Director General of DOH

Opening remark by JICA / TICA

12.00-13.00 Reception Lunch

13.00-16.00 Infrastructure Development of Thailand: Land, Air and Water

Transportation Modes

16.00-18.00 Group Activities

Day 2 (Tue 4 Jul): Department of Highways in General and International Road Networks

08.00-09.00 Country Paper Presentation

(Cambodia, Lao PDR., Myanmar)

09.00-12.00 Department of Highways' Road Management and Administration

12.00-13.00 Lunch

13.00-16.00 ASEAN and BIMSTEC Networks

Day 3 (Wed 5 Jul): Feasibility Study for Road Project, Environmental Impact assessment, Public Involvement and Resettlement Plan

08.00-09.00 Country Paper Presentation

(Vietnam, Bangladesh, Bhutan)

09.00-12.00 Feasibility Study for Road Project

12.00-13.00 Lunch

13.00-16.00 Environmental Impact assessment and Public Involvement and Resettlement Plan

Day 4 (6 Jul): Public Private Partnership for Road Project and Overseas Loans for Road Project

08.00-09.00 Country Paper Presentation

(Indonesia, Nepal, Sri Lanka)

09.00-12.00 Public Private Partnership (PPP) in Transport Infrastructure Project

12.00-13.00 Lunch

13.00-16.00 Overseas Loans for Road Project: The Use of FIDIC International Procurement Guideline, and Bidding

Day 5 (Fri 7 Jul): Procurement of Civil Work and Consulting Services

08.00-09.00 Country Paper Presentation

(The Philippines, Malaysia, and Thailand)

09.00-12.00 Procurement Flow for Civil Works and Construction Supervision Consulting Services and Conditions of Contracts

12.00-13.00 Lunch

13.00-16.00 Road Maintenance and Management & New Maintenance Technologies Transferred from Japan

- Day 6 (Sat 8 Jul): Technical Visit and City Tour**
08.30 Depart from the hotel
09.00-11.30 Wat Phra Kaew and the adjoining Grand Palace
12.00-13.00 Lunch
13.00-15.00 Depart for Pattaya
15.00 Free Time for City Tour
- Day 7 (Sun 9 Jul): Technical Visit**
09.00-12.00 Technical Visit: DOH Road Human Resource Development Center (Lecture)
12.00-13.00 Lunch
13.00-16.00 Technical Visit: DOH Road Human Resource Development Center (Site Visit)
- Day 8 (Mon 10 Jul): Road and Bridge Design**
09.00-12.00 Geometric Design for Highway
12.00-13.00 Lunch
13.00-16.00 Highway Bridge Design
- Day 9 (Tue 11 Jul): Road Construction and Pavement Management**
09.00-12.00 Highway Materials and Pavement Structural Design
12.00-13.00 Lunch
13.00-16.00 Construction Contract Management
- Day 10 (Wed 12 Jul): Road Construction Management**
09.00-12.00 Cost Estimation for Road Construction
12.00-13.00 Lunch
13.00-16.00 Problems and Resolutions for Road Construction: Case Studies
- Day 11 (Thu 13 Jul): Highway Materials Management and Slope Engineering**
09.00-12.00 Highway Material Quality Control and Testing
12.00-13.00 Lunch
13.00-16.00 Embankment Design for Highway
- Day 12 (Fri 14 Jul): Slope Engineering**
09.00-12.00 Ground Improvement Techniques
12.00-13.00 Lunch
13.00-16.00 Highway Slope Failure: Case Studies
- Day 13 (Sat 15 Jul): Technical Visit**
08.00 Depart for Bridge Construction and Rehabilitation Project
09.00-12.00 Technical Visit on Bridge Construction and Rehabilitation Project at Rama 2nd Road
12.00-13.00 Lunch
13.00-16.00 Bangkok National Museum and Jatujak Market
- Day 14 (Sun 16 Jul): Cross Border Regulations and System (North-Eastern Thailand)**
08.00-09.10 **Depart for Udon-Thani Province**
09.30-10.45 Depart for the 1st Thai-Lao International Bridge at Nong Khai
11.00-12.00 Technical Visit: The 1st Thai-Lao International Bridge at Nong Khai (International Bridge Management System Border Control, CIQ System and Management of Traffic Safety)
12.00-13.00 Lunch
13.00-15.00 Technical Visit: The 1st Thai-Lao International Bridge at Nong Khai (International Bridge Management System Border Control, CIQ System and Management of Traffic Safety)
15.30-18.00 Depart for Bueng Kan Province
18.00 Check in at a hotel in Bueng Kan

- Day 15 (Mon 17 Jul): The Fifth Thai-Lao Friendship Bridge Construction Project**
 09.00-12.00 Technical Visit: The 5th Thai-Lao Friendship Bridge Construction Project at Bueng Kan
 12.00-13.00 Lunch
 13.00-16.00 Depart for Nakhon Phanom Province
 16.00 Check in at a hotel in Nakhon Phanom
- Day 16 (Tue 18 Jul): Technical Visit: Thai - Lao Friendship Bridges**
 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)
 12.00-13.00 Lunch
 13.00-15.00 City Tour and Cultural Visit
 16.00 **Depart for Bangkok**
- Day 17 (Wed 19 Jul): Slope Engineering (continued)**
 09.00-12.00 Earth Reinforcement System
 12.00-13.00 Lunch
 13.00-16.00 Problematic Issues on Subsurface Water in Road System
- Day 18 (Thu 20 Jul): Road Traffic safety**
 09.00-12.00 Road Safety Management
 12.00-13.00 Lunch
 13.00-16.00 Road Safety Devices for Highways
- Day 19 (Fri 21 Jul): Road Traffic safety and Closing Ceremony**
 09.00-12.00 Intelligent Transport System
 12.00-13.30 Lunch
 13.30-14.00 Closing Ceremony
 14.00-16.00 Learning Reflection and Course Evaluation
- (Sat 22 Jul): Departure of Participants**

Annex-1

Country Report for the Third Country Training Program on International Road Infrastructure Development for ASEAN and BIMSTEC (Phase 2)

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.

Country Lists and Focal Point Information

Country	Focal Point/ Concerned Agencies
Cambodia	Ministry of Public Works and Transport Street 598 (H.E.Chea Sophara Street) Sangkat Chrang Chamres 2, Khan Russey Keo Phnom Penh, Cambodia Tel/ Fax : +855 23 426 640, +855 23 427 862 Email : info@mpwt.gov.kh
Lao PDR	Ministry of Public Works and Transport Lanxang Avenue ,Vientaine Capital, Lao PDR Tel : +856 21 412255 Fax : +856 21 412250 Email: webmaster@mpwt.gov.la
Malaysia	Director General Public Works JABATAN KERJA RAYA MALAYSIA Ibu Pejabat JKR Malaysia Jalan Sultan Salahuddin 50582 Kuala Lumpur, Malaysia Tel/ Fax : +603 2610 8888 Email: komunikasi@jkr.gov.my
Myanmar	Ministry of Construction Building No11, Ministry of Construction , Naypytaw,Myanmar Tel/ Fax : +09 492 01878 Email : info@construction.gov.mm
Vietnam	Vietnam Road Administration Ministry of Transport 80 Tran Hung Dao St, Hoan Kiem Dist, Ha Noi, Vietnam Tel. +84 3942 2079 Fax. +84 3942 1436 Email : tinbai@mt.gov.vn http://www.mt.gov.vn
	Directorate for Roads of Vietnam Block 20, Ton That Thuyet Street. CauGiay New Tan, CauGiay District, Hanoi, Vietnam Tel. +842 43857 1444 Fax. +842 438 571 440
Bangladesh	Chief Engineer Local Government Engineering Department LGED Bhaban, Agargaon, Shere Bangla Nagar, Dhaka-1207, Bangladesh Tel. +882 5815 2802, +882 4811 2576 Fax. +882 911 0512 Email : mis@lged.gov.bd
Bangladesh	Director General Roads and Highways Department Ministry of Communications Sarak Bhaban, Tejgaon, Dhaka 1208 Bangladesh Email: info@rhd.gov.bd

Country Lists and Focal Point Information

Country	Focal Point/ Concerned Agencies
Bhutan	Secretary General Ministry of Works & Human Settlement Po Box 791, Opposite to Police Building, Thimphu : Bhutan Tel. +975 2 327998/322182/327451/322871 Fax.+975 2 323122/323121/322270/32314 Email: support@mowhs.gov.b
The Philippines	Secretary Metropolitan Manila Development Authority EDSA Corner Orense Street, Guadalupe Nuevo, 1212 Makati City, The Philippines
	Secretary Department of Public Works and Highways Region IV-B Compound, EDSA, Quezon City, The Philippines
Sri Lanka	General Manager Road Development Authority 216 Denzil Kobbekaduwa Mawatha, Koswatta, Battaramulla, Srilanka Tel : +94 11 2 046200
Nepal	Secretary Ministry of Physical Infrastructure and Transport SinghaDurbar, Kathmandu , Nepal Tel. +977 1 4211732, 4211931, 4211655, 4211880 Fax.+977 1 4211720 Email: info@mopit.gov.np
	Director General Department of Roads Patandhoka Road, Lalitpur 44600, Nepal Tel +977 1 5529075 Email : feedback@dor.gov.np
Indonesia	Ministry of Transport of Indonesia Seditjend, PerhubunganDarat Jalan Medan Merdeka Barat No. 8 Jakarta Pusat 10110 Jakarta, Indonesia Tel : +62 21-3811308, 3505006 Email : info151@dephub.go.id
	Director Institute of Road Engineering JL. Raya Timur No.264, Bandung, West Java, Indonesia

Country Lists and Focal Point Information

Country	Focal Point/ Concerned Agencies
Thailand	Permanent Secretary, Ministry of Transport 38 Ratchadamnoen Nok Road, Wat Sommanat, Pom Prap Sattru Phai, Bangkok, 10100, Thailand
	Director- General, Department of Highways 2/486 Si Ayutthaya Road, Ratchathewi, Bangkok, 10400, Thailand
	Director- General, Department of Rural Roads 9 Phaholyothin, Anusawari Bangkokhen, Bangkok, 10220, Thailand
	Governor, Expressway Authority of Thailand EXAT Expressway Administration Center 111 Rim Khlong Bang Kapi Rd., Bang Kapi, Huai Khwang, Bangkok 10310, Thailand