

# THE 3RD TECHNICAL SEMINAR

## Project for Capacity Development on Tunnel Project Management in Thailand



QR code for zoom online



Meeting ID: 812 6434 5839

Passcode: 586401



**Date: 29th September 2023 (Fri)**

**Time: 10:00 to 16:30 hrs. (Thailand Time)**

**Venue: Terdsak Sedthamanop Seminar Room**

**Training Division, Department of Highways**



### Address

Department of Highways, Training Division Building  
2/486, Si Ayutthaya Road, Thung Phayathai  
Sub-district, Ratchathewi District, Bangkok 10400

<b>Time</b>	<b>Agenda</b>
<b>Morning Session</b>	
10:00-10:10	<b>Opening Remarks 1</b> Opening Remarks by Mr. Sarawut Songsivilai, Director General, DOH
10:10-10:20	<b>Introduction of Members</b> Thai Side (DOH, TICA, University, TUTG, TGD, Consultant, Contractor) Japan Side (JICA, Expert Team)
10:20-10:35	<b>Design Manual for Road Tunnels (Civil Part)</b> Presented by Mr. Tanawoot Kongsung, Bureau of Location and Design, and Ms. Plengpin Chivakiat, Bureau of International Highways Cooperation, DOH, Q&A
10:35-10:45	<b>Planning Manual for Road Tunnels</b> Presented by Mr. Thitipat Rulak, Bureau of Planning, DOH, Q&A
10:45-11:20	<b>Design Manual for Road Tunnels (Facility Part)</b> Presented by Mr. Surachead Lekhacharakul, Bureau of Location and Design, DOH, Q&A
<b>Coffee Break 10 minute (11:20 - 11:30)</b>	
11:30-12:30	<b>Keynote Speech "On-Site Visualization as a New Strategy for Infrastructure Monitoring"</b> Presented by Dr. AKUTAGAWA Shinichi, Department of Civil Engineering, Graduate School of Engineering, Kobe University
<b>Lunch (12:30 - 13:30)</b>	
<b>Afternoon Session</b>	
13:30-14:40	<b>Presentation on Japanese Technology (Part 1)</b> Part-I: Presented by Eight-Japan Engineering Consultants Inc. Part-II: Presented by CPAC SB&M Lifetime Solution Co., Ltd. Part-III: Presented by TADANO ITALTHAI CO., LTD. Part-IV: Presented by ASANUMA CORPORATION
<b>Coffee Break 15 minute (14:40 - 14:55)</b>	
14:55-16:05	<b>Presentation on Japanese Technology (Part 2)</b> Part-V: Presented by KANSO TECHNOS CO., LTD. Part-VI: Presented by ENZAN KOUBOU CO., LTD. Part-VII: Presented by Central Nippon Expressway Co., Ltd. Part-VIII: Presented by Metropolitan Expressway Co., Ltd.
16:05-16:15	<b>Closing Remarks</b> Closing Remarks by Dr. Danai Ruengporn (Project Manager), Director of Bureau of International Highways Cooperation, DOH

# Project Outline



## Project for Capacity Development on Tunnel Project Management in Thailand



### Project Title

Project for Capacity Development on Tunnel Project Management in Thailand

### Project Period

December 2020 to December 2024

### Counterpart

Department of Highways (DOH)

### Overall Goal

Mountain highway tunnel construction projects are formulated and managed by DOH as part of the national policy of highway and motorway construction.

### Project propose

A base of management of mountain highway tunnel projects is established in DOH.

### Background of the Project

In the 20-years Development Plan for Internal Motorway, Department of Highways (DOH) has been developing motorway networks with 6,600km including some mountain tunnel sections with more than 10km stretch.

Although Thailand has experiences in the project management for railway tunnels and waterway tunnels, there is no experience in a large-scaled mountain road tunnel project.

To steadily implement the mountain road tunnel projects for the future, it is necessary to improve DOH's capacity on project management on investigation, planning, design, construction, operation and maintenance for mountain road tunnel.

Thus, DOH requested the technical cooperation on Capacity Development for Tunnel Project Management to the Government of Japan.

JICA dispatched Preparatory Survey Team in February 2020 to study the project components and the Record of Discussion (R/D) had signed in September 30, 2020.

### Outputs

Output 1 DOH's human resources, institution and scope of works on tunnel project are established.

Output 2 DOH's understanding on the management cycle of mountain highway tunnel project is enhanced.

Output 3 DOH's capacity of investigation on mountain highway tunnels is enhanced.

Output 4 DOH's capacity of design on mountain highway tunnel is enhanced.

# JAPANESE TECHNOLOGY



## 日本企業の技術



**EIGHT-JAPAN ENGINEERING CONSULTANTS**  
エイト日本技術開発

**ENZAN KOUBOU**  
演算工房



**CPAC SB&M LIFETIME SOLUTION**  
CPAC SB&M ライフタイムソリューション

**CENTRAL NIPPON EXPRESSWAY**  
中日本高速道路



**TADANO ITALTHAI**  
タダノイタルタイ

**METROPOLITAN EXPRESSWAY**  
首都高速道路



**ASANUMA CORPORATION**  
浅沼コーポレーション

**THAI-YAZAKI ELECTRIC WIRE**  
タイ矢崎電線



**KANSO TECHNOS**  
カンソーテクノス

**AKROS TRADING**  
アクロストレーディング



## TOPIC AND DISCUSSION

### Japanese Technology Presentation

In this seminar, 10 Japanese companies will present tunnel construction technologies from Japan for future tunnel construction projects. These innovations encompass various areas, including: Waterproof cables equipped with connectors designed for tunnel use, Fireproof cables, Low smoke cables to mitigate smoke-related risks, Rock bolts, Tunnel inspection, Maintenance technologies incorporating carbon fiber applications, and presentations on tunnel exploration technologies.

These innovations represent a significant stride towards the future of tunnel construction, fostering safety, efficiency, and excellence in the industry.

# 29

## September 2023

Start from 10 AM - 4.30 PM

Terdsak Sedthamanop Seminar  
Room, Training Division,  
Department of Highways

**Register Now!**



**Project for Capacity  
Development on Tunnel Project  
Management in Thailand**

**Register at : [bit.ly/48nSuXi](https://bit.ly/48nSuXi)**

Phone : 02-354-6668-75 ext. 23827

Email : [Thaitunnelprojectdoh@gmail.com](mailto:Thaitunnelprojectdoh@gmail.com)

