

Thailand



Name: Thailand Underground and Tunnelling Group (TUTG), The Engineering Institute of Thailand under H.M. The King's Patronage

Type of Structure: Non profit organization

Number of Members: 60 members

ASSOCIATION ACTIVITIES DURING 2020 AND TO DATE

In 2020 the Thailand Underground and Tunnelling Group (TUTG) activities struggled due to the Covid 19 pandemic. However, TUTG continued to contribute to underground and tunneling education via a technical seminar.

TUTG organized the Tea-Talk Seminar on "Tunnel Construction in Urban Area and Tight Curve Tunnelling" dated 11 March 2020.

CURRENT TUNNELLING ACTIVITIES

- Flood Diversion Tunnel – Khlong Nong Bon to Chao Pha Ya River – 9.4km

long, 5.7m diameter tunnel (The Bangkok Metropolitan Administration – 4,925.665MB)

- Orange Line - East Section – 20km tunnel length (Mass Rapid Transit Authority of Thailand – 79,221.24MB)
- Mae Tang – Mae Ngud – Mae Kuang Water Diversion Tunnel – 48km tunnel long (Royal Irrigation Department – 9,206.81MB)
- Track Doubling North-Eastern Line – Mab Kabao – Thanon Chira Junction – 7.9km long tunnel (State Railways of Thailand (SRT))
- Conversion of an Overhead Line to an Underground System, Rama III Project: 10.9km tunnel length (Metropolitan Electricity Authority) – 5,635.3MB
- Conversion of Overhead Line to Underground System, Nonsri Project:

- 8.3km tunnel length (Metropolitan Electricity Authority) – 2,899.8MB
- Conversion of Overhead Line to Underground System, Ratchadapisek - Asoke Project: 8.2km tunnel length (Metropolitan Electricity Authority) – 4,554.91MB
- Conversion of Overhead Line to Underground System, Ratchadapisek – Rama 9 Project: 14.3km tunnel length (Metropolitan Electricity Authority) – 4,344.67MB
- Work plan to change electrical cable system to an underground power line “The City of ASEAN”: 127.3km tunnel length (Metropolitan Electricity Authority) – 48,717.2MB
- The High-Speed Rail Linked 3 Airport Project – 0.3km tunnel length at Khao Chi Chan (The Eastern Economic Corridor Office of Thailand, EECO)
- The 9th Bangkok Water Supply Improvement Project – 44km tunnel length of 3/3.2m diameter (Metropolitan Waterworks Authority – 17,012MB)
- Khlong Prem Prachakorn Flood Diversion Tunnel – from Khlong Bang Bua to Chao Pha Ya River – 5.7m diameter and 13.5km long tunnel (The Bangkok Metropolitan Administration – 8,233.35MB)



FUTURE TUNNELLING ACTIVITIES

- Orange Line - West Section – 20.4km long tunnel (Mass Rapid Transit Authority of Thailand – 120,000MB)
- Purple Line South – 25.4km long tunnel (Mass Rapid Transit Authority of Thailand

- 124,000MB)
- Outgoing Cable Tunnel at Bang Phli Terminal Station – 1.2km long, 2.6m diameter tunnel (Metropolitan Electricity Authority)
- Outgoing Cable Tunnel at Bang Sue Terminal Station – 2.6km long, 2.6m diameter tunnel (Metropolitan Electricity Authority)
- Outgoing Cable Tunnel at Lad Phraw Terminal Station – 1.6km long, 2.6m diameter tunnel (Metropolitan Electricity Authority)
- Outgoing Cable Tunnel at Erawan Terminal Station – 5.5km long, 3.6m diameter tunnel (Metropolitan Electricity Authority)
- Khlong San Saeb Flood Diversion Tunnel – from Khlong Lad Praow to Soi Lad Praow 130 – 3.8km long, 3.7m diameter tunnel (The Bangkok Metropolitan Administration – 1,701MB)
- Khlong Taweewattana Bottle Neck Flood Diversion Tunnel – 2km long, 3.7m diameter tunnel (The Bangkok Metropolitan Administration – 2,274MB)
- Khlong Samsen to Existing Bang Sue Flood Diversion Tunnel – 3.3km long, 3m diameter tunnel (The Bangkok Metropolitan Administration – 970MB)