

**TECHNICAL VISIT TO UNDERGROUND TUNNEL USING FOREPOLING METHOD
AT TUN RAZAK EXCHANGE (TRX)**

Jointly Organised by

Tunnelling & Underground Space Technical Division (TUSTD) & Women Engineer Section (WE)
BEM Approved CPD/PDP Hours: 2.5 Ref No: IEM20/HQ/070/T

Date : 14th March 2020 (Saturday)
Time : 9.00am – 1.30pm
Venue : Tun Razak Exchange (TRX), Kuala Lumpur
Transport : Coach will be provided. (Coach will depart at 9.30am sharp)

SYNOPSIS

The Tun Razak Exchange, TRX is a 70-acre development in the heart of Kuala Lumpur for KL's Future Ready Central Business District. The master plan includes a 10-acre public park, a total of 26 buildings and over 21 million sq. ft of total building Gross Floor Area (GFA) spread across offices, residential premises, hotels, retail outlets, F&B and cultural offerings. TRX, which sits at a point where Jalan Sultan Ismail (JSI) and Jalan Tun Razak (JTR) converge is served by a dedicated MRT interchange station. It is working with both 'Dewan Bandaraya Kuala Lumpur (DBKL)' and the Federal Government to upgrade and expand JTR for better traffic flow, ease of traffic movement with respect to 'in and out' at the upcoming financial district as well as direct connection to major expressways. The traffic dispersal system and improvement of roads around the vicinity including the TRX Ingress and Egress tunnel is a major component to ensure smooth traffic flow into and out of TRX.

Part of the TRX Ingress and Egress tunnel crosses below Jalan Tun Razak and SMART portal where forepoling tube umbrella system is adopted as temporary roof support for the tunnel construction instead of conventional open cut method of construction. The system comprises a series of 108mm diameter of forepoling tubes installed beneath both Jalan Tun Razak and SMART portal. As the tunnel is located in KL Limestone Formation, the construction of these tunnel has also to deal with karst features of the Formation.

SAFETY REMINDER : Participants shall be well-equipped with their own PPE equipment, i.e. safety helmet, safety vest and safety boots in order to be allowed access into the site.



TENTATIVE ITINERARY – (subject to change without prior notice)

Time	Itinerary
9.00am	Gather and registration at IEM Building
9.30am	Group departing from IEM Building to site
10.15am	Arrival of participants at site
10.30am-11.15am	Technical briefing and discussion
11.15am-11.30am	Safety briefing
11.30am-12.45pm	Site visit
12.45pm-1.30pm	Back to IEM Building

Commitment Fees (Non refundable & non transferrable)	
IEM Member	: RM 50.00
Non Member	: RM 80.00

- The visit is strictly limited to **20 participants** registered on a first-come, first-served basis.
- Interested IEM members and non-members are to register and pay online at www.myiem.org.my or register by returning the appended registration form before or on **7th March 2020** together with payment.
- Cheques are to be made payable to The Institution of Engineers, Malaysia.
- Please note that the commitment fee must be settled prior to the visit.
- After the closing date, IEM reserves the right to allocate seats to other registrants on a first-come first-pay basis.
- Intended participants are also reminded that IEM may cancel the reservation if payment is not received before or on the closing date.

REPLY SLIP

Chairman
Tunnelling & Underground Space Technical Division
The Institution of Engineers, Malaysia
PO Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor

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AT TUN RAZAK EXCHANGE (TRX) (14TH MARCH 2020)**

I wish to participate in the above visit. I enclosed herewith a cheque no. for the amount of RM..... as my commitment fee for the visit.

Name of Member : M'ship No.:
Address : Grade :
..... Tel (Office):
..... Tel (Mobile):
Company's Name : Email :

PERSONAL DATA PROTECTION ACT:

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

I will be participating in the visit at my own risk and hereby indemnify fully The IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
(Date)

.....
(Signature)

- Please bring along this flyer for confirmation of attendance - -Photocopies are acceptable -