

## Virtual Training Session on :



Tunnelling  
Association of India

# TRANSPORT TUNNEL SPECIFICS IN DESIGN AND CONSTRUCTION



15 December, 2021, 15:00 to 17:00 hours.

### ABOUT THE SPEAKER: DR HARALD WAGNER



Civil Engineer, M.Sc., Ph.D. (Dr. Techn. Science, Suma cum Laude), Licensed Masterbuilder, Government Counsellor, appointed by President of Austrian Republic, Chartered Expert at Court, Consultant to the World Bank for more than 15 years. An international well-recognized Consultant for Underground Infrastructures with

more than 40 years of Professional Experience in Tunnel Design, Construction and Consultancy. A former Assistant Professor at Technical University Graz in Austria on Soil Mechanics & Foundation Engineering for Architects, a Vice President of ITA (International Tunnelling and Underground Space Association). An Expert Member of ITA's Executive Council, who has worked throughout his career as a designer and consultant in more than 35 countries around the world.

### ABOUT THE PROGRAMME

Modern transport tunnels for Railways, Highways, and urban Mass Transit, are challenged by request to strengthen engineering capabilities using innovative technologies in project delivery and quality management. Understanding and effectively mitigating risks and hazards in underground works by all stakeholders requires professional planning underground networks to enable and safeguard future expansion and extension projects.

Expansion of underground mobility through interstate highway networks and rail extension with special emphasis on advantages provided by interactive communications

with the International Tunnelling and Underground Space Association (ITA) is highlighted.

Regardless the technology applied, any tunnel contract of today is benefitting from carefully performed ground investigations resulting in Geotechnical Baseline Reports together with Risk Management Plans, whilst recognized and supported by all project stakeholders.

Demand for proper developed Underground Works has been continuously growing. Intensification of rail and road networks shall provide better communication between regions, countries and even continents with alignments corresponding to the demand of shortening travel times in response to sustainable and resilient requirements.

Conventional Tunnelling Method as well as Mechanized Tunnelling are well suited for tunnelling in increasing difficult, complex, and changing geological and geotechnical conditions. The main purpose remains minimizing construction time and cost by selecting best suitable and advanced contract conditions based on FIDIC Emerald Book, optimum driving cross section, driving methods, and lining during the design and construction phases.

### SUBTOPICS

- Innovative & Flexible Contracting,
- Advanced Project Management,
- Geotechnical Baseline Report,
- Addressing Adverse Geology,
- Geotechnical Monitoring,
- Risk Management Plan,
- Pre- and In Construction Investigation,
- Mountain & Urban Tunnelling.

### HOW TO REGISTER

The perspective participants, desirous of attending the above Virtual Training Session may register themselves by sending the following details to us via email along with necessary payment detail:

Name : .....  
Designation : .....  
Organization : .....  
Email ID : .....  
Mobile No. : .....

NOTE : After registration, the participants will be provided the link 1 day prior to the session to participate in the Technical session.

Platform : MS Team

### FACILITATION FEE

TAIym Member	Rs. 750/-
TAI Member	Rs. 1,000/-
Non TAI member	Rs. 1,250/-

The fee can be paid by cheque to be drawn in favour of "Adhering Committee of International Tunnelling Association (India)" or by bank transfer to the following account:

#### Bank Details for arranging Payment:

- Name of Bank: Canara Bank, Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 110021
- Account No. 0157101031496
- MICR Code No. 110015007
- Account Holder Name: "ADHERING COMM OF ITA"
- IFSC Code: CNRB0000157
- Swift Code: CNRBINBDDFS

Participation Certificate will be issued to all the Attendees

### For More Details Contact :

Secretary General, Tunnelling Association of India

Malcha Marg, Chanakyapuri, New Delhi - 110 021, India Phone : 91-11-2611 5984 / 2611 6567 Ext. 113 / 140 Fax : 91-11-2611 6347

Contact Person : Mr. Sunil Sharma (Mobile No 91-9811299136) / Ms. Kalpana Adhikari

Email : sunil@cbip.org; kalpana@cbip.org; contact@tai.org.in Website : http://www.tai.org.in