



Tunnelling Asia' 2023

International Conference on
Climate Change Resilience and Sustainability
in Tunnelling and Underground Space



ASSOCIATION
INTERNATIONALE DES TUNNELS
ET DE L'ESPACE SOUTERRAIN

AITES

ITA

INTERNATIONAL TUNNELLING
AND UNDERGROUND SPACE
ASSOCIATION

TAIym Activities



by

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TAIym Committee

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Tunnelling Association of India Young Members (TAIym)



TAIym - OBJECTIVE AND VISION

- Provide a technical networking platform within TAI for young professionals and students.
- Bridge the gap between generations by networking across all experience personnel in the industry.
- Raise awareness of the tunnelling and underground space industry to the new generation
- Providing all the necessary help to the young professionals and students to get an insight of the tunnelling world.



Stats

- 38 Webinars
- 14 Blogs
- Newsletter – 2 per year
- YouTube – 863 subscribers, 40 videos, 25617 views, 2259 watch hours, 359564 impressions.
- LinkedIn – 5328 Followers
- Instagram – 245 Followers
- Facebook – 97 Followers

Networking

- 200 members in total
- TAlym is currently collaborating with MIT-WPU and IIT Delhi
- Further, collaboration with SVNIT(Surat), Jadavpur university, Mumbai University is under process.



STUDENT MENTORSHIP

- Engagement with students from various universities.
- Guest lectures at universities.
- Mr. Aejaz Ahmed, Mr. Akshay Mitra Panwar, Mr. Ayush Raj, Mr. Chiranjib Sarkar, Mr. Rushi Randeria, Mr. Sandeep Singh Nirmal and Mr. Sourav Agarwal are appointed mentors by MIT World Peace University
- Mr. Chiranjib Sarkar is actively Mentoring MIT WPU students with their post graduate thesis.
- Arranging site visits and internships at major tunnelling projects at MMRCL, DMRC, USBRL, RVNL, NCRTC, MCRP, etc.



Presence at WTC – WTC 2023 Athens, Greece

- Attended WTC 2023 as India's Young Member Representative, Tunnelling Association of India"
- Gratitude to Prof. Arnold Dix, President of ITA, for remarkable efforts and support to the International and Indian Tunnelling community.
- Interacted with esteemed professionals such as Prof. Robert Galler, Prof. Mark Diederichs, and Prof. Nicholas Vlachopoulos.
- Congress provided an excellent platform to connect with speakers and supporters from the Tunnelling Association of India Young Members (TAlym) webinar series.
- Met professionals from ITACUS - the ITACUS YPTDP who did a Commendable job delivering the Gdansk workshop.



ITA-ISOCARP Gdansk YPP Workshop

- BRIDGING THE DIVIDE - Organized by the City of Gdansk, ITACUS, and ISOCARP, it focused on the northern region's redevelopment,
- This workshop brought together 21 participants from diverse backgrounds for a five day exploration of urban planning.
- Highlights include city exploration, diverse group activities, and insightful presentations on the redevelopment of the northern region of Gdansk City Centre.
- The workshop fostered inter-disciplinary collaboration and knowledge exchange, culminating in impressive proposals presented to city officials.



TAlym Member at Silkyara Tunnel Rescue Operation

- TAlym Member Mr. Rishabh Gupta, Manager/Tunnel Planning & Design - RITES Ltd. with his fellow colleagues reached the Silkyara site for undergoing rescue operation.
- Responsible for monitoring the ongoing rescue activities and brainstorming sessions for conducting effective rescue operation.
- Achievement of drilling a 6-inch pipe on the tunnel cavity face to reach the trapped workers on November 20, 2023, was successfully achieved.
- Drilling may solve the purpose of providing solid food, efficient communication, better ventilation through pipes, and all other misc jobs which were not possible due to small pipe of $\phi 3''$. Various agencies have been deputed doing multiple directional drilling (vertical shaft, micro tunneling, directional drilling) for rescue operation.



Future Plans

- Increasing the number of young members associated with TAIym from India.
- Formation of Student Chapters of TAIym. Developing of Regional Chapter of TAIym / TAI.
- Providing a strong platform for the collaboration of YM groups pan AISA.
- Collaboration with different institution across globe for an economical on site training of YMs.
- Creating a database for the challenges faced in tunnelling in different environment.
- Conducting of minimum two site visits annually for university students and young engineers.
- Organising of Annual conference for young members.
- Proving of full support for hosting Tunnelling Asia and International Tunnelling events.

