

GT TIMES

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● IGS SC GECBH ●

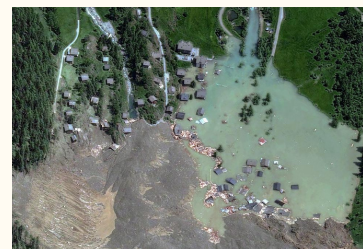
TRIVANDRUM

AROUND THE WORLD: IGIC 2025



The 2nd International Geotechnical Innovation Conference in Jeddah, Saudi Arabia, focused on sustainable infrastructure and innovative geotechnical solutions. Fugro showcased its Ground IQ solution, a comprehensive ground investigation and monitoring system.

Glacial Collapse



May 28: A significant glacial collapse above the village of Blatten in the Loschental Valley, Switzerland, resulted in 90% of the village being submerged in mud and debris. The incident underscores the importance of geotechnical assessments in glacial regions.



GEOTECH ASIA 2025

The International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), launched a new series of regional conferences called Geotech Asia, with the inaugural event hosted in Goa.

**48TH SOUTHWEST
GEOTECHNICAL
ENGINEERING
CONFERENCE
MAY 19-21, 2025
SACRAMENTO, CALIFORNIA**

**GEOVERT WILL BE
SHOWCASING A BOOTH
GEOVERT**



48th Southwest Geotechnical Engineering Conference

Held on May 19-21 in Sacramento, California, this conference brought together professionals to discuss advances in geotechnical, geological, geophysical, and geo-environmental engineering, with a focus on transportation infrastructure.

AI INTEGRATION IN GEOTECHNICAL SIMULATIONS

GeoSimAI, a suite of AI assistants, is being developed to facilitate numerical simulations in geomechanics allowing engineers to perform complex analyses through natural language instructions, thereby streamlining workflows.

ADVANCEMENT IN SEEPAGE ANALYSIS

A new Polyhedral scaled boundary finite element method (PSBFEM) has been introduced for 3D seepage analysis, offering improved accuracy and efficiency over traditional methods, particularly in complex geometries.

OPEN GEOTECHNICAL DATA PLATFORM IN FRANCE

Researchers in France are developing an open-access platform for geotechnical data, aiming to make borehole and in-situ test data more accessible and reusable, thereby enhancing project efficiency and reducing redundancy.

FROM THE INDIAN SUBCONTINENT:

NH-66 Embankment Collapse at Kooriyad

Malappuram, Kerala:

On May 19, 2025, a section of the under-construction NH-66 embankment collapsed over floodplain/paddy fields at Kooriyad. This caused structural failure and injured seven people, including damage to service roads and retaining structures.



A geotechnical expert panel, including Anil Dixit and Jimmy Thomas, has been deployed to examine subsoil conditions, foundation design, and construction records. Findings have been sent to NHAI, which also debarred the contractor KNRCL.

Wayanad Tunnel Project



Wayanad, Kerala: A tunnel project in Wayanad (worth ₹2,134 crore) received its Environmental Clearance in May 2025, despite the area being highly landslide-prone.

Experts and environmentalists highlight inadequate or outdated geotechnical studies, raising concerns about insufficient mitigations and monitoring strategies.

Image credit: @reallygreatsite

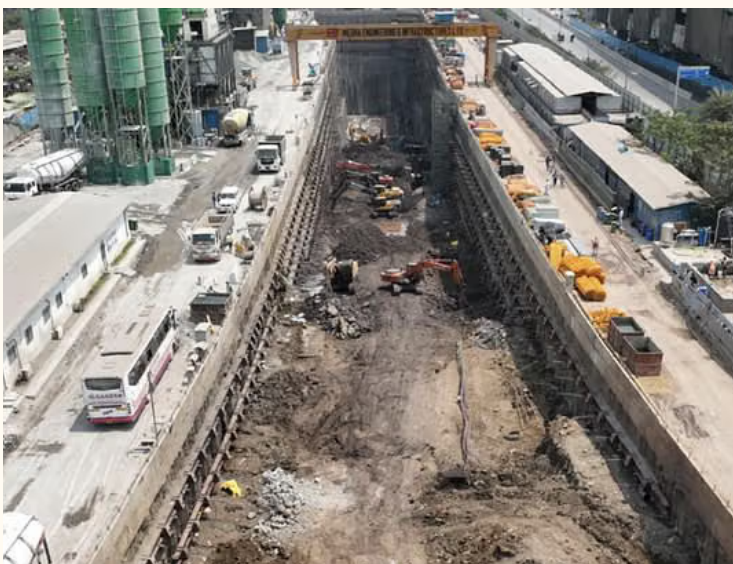
Pre-construction Surveys



Haryana: Gurgaon Metro Rail Limited has initiated geotechnical surveys for Phase 2, covering 16km, including key corridors to Cyber City and the proposed depot. These pre-construction ground surveys are expected to take 2 months.

This proactive geotechnical work is intended to ensure stability and design effectiveness.

Mumbai–Ahmedabad Bullet Train Viaduct Progression Surveys



By **May 20, 2025**, the Mumbai–Ahmedabad high-speed rail corridor milestone: 300km of viaducts completed using full-span launching method. Piling and pier work are over 82% done, with track-laying to begin next. The project involves massive geotechnical preparation—drilling, piling, pier casting—to support a 320km/h high-speed rail.

“We are delighted to introduce GT Times – a dedicated geotechnical bulletin that captures and shares key developments, events, and insights from across India and the global geotechnical landscape. This publication reflects our shared commitment to keeping the geotechnical fraternity informed, engaged, and inspired.

The successful release of GT Times is the result of remarkable teamwork, foresight, and perseverance. We extend our sincere congratulations to every individual who contributed to this effort – from writers and editors to designers and coordinators. Your enthusiasm and attention to detail have brought this vision to life in the most commendable manner.

We also wish to express our appreciation to the entire committee, whose continuous support and leadership have been instrumental in shaping this initiative. Your collective dedication ensures that the society continues to grow in relevance and reach.

As we turn this new page, quite literally, we hope GT Times will serve not just as a bulletin, but as a dynamic platform that nurtures dialogue, showcases innovation, and strengthens the geotechnical community at large.”

With warm wishes for continued growth and success,
IGS SC GECBH

