



# National Workshop on **GEOTECHNICS FOR**



# **HEAVY URBAN INFRASTRUCTURE**

**1 - 2 October, 2022**

**VENUE**

**Lecture Hall No.21**

**Victor Menezes Convention Center, IIT Bombay**

*Organized by*

**INDIAN GEOTECHNICAL SOCIETY  
MUMBAI CHAPTER**

**&**

**DEPARTMENT OF CIVIL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY**

**In Association with**



**Mumbai Metropolitan Region Development Authority**

**Supported by**



# INTRODUCTION

Maharashtra, and in particular Mumbai city, is witnessing several major infrastructure projects in the last 2 decades. The notable ones are Delhi-Mumbai Green Field Express Highways, Mumbai-Nagpur Supercommunication Express Highway, Mumbai-Ahmedabad bullet train project, Coastal road project, underground and elevated Metros in Mumbai, expansion of Mumbai-Pune Express highway, Eastern Freeway, Dedicated Freight Corridor, to name a few. Mumbai Metropolitan Region Development Authority, Municipal Corporation of Greater Mumbai, Mumbai Metro Rail Corporation Limited, National High Speed Rail Corporation, MSRDC are the major stake holders. As part of these projects, several major bridges, deep excavation supporting systems, viaducts, tunnels, Vehicular underpasses (VUPs), Vehicular Overpasses (VOPs), embankments, depots, land reclamation, etc. have been constructed. The loads from all these structures must be supported by subsoils, and supporting geomaterials play a vital role in the safety and serviceability of structures founding on them. Good Geotechnical, geological and geophysical investigations combined with proper understanding of the soil/rock behaviour is very much essential to optimize the design and construction of foundations. Ground uncertainties are inevitable due to complex geological formations, and influences the stability of the structures, unless they are well understood.

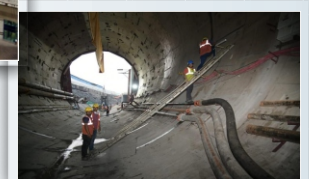
This workshop throws some light on recent developments in the heavy infrastructure projects in the urban areas, and discusses in detail important geotechnical challenges encountered in the construction of such projects, and how they have been handled in the projects, by the combined efforts of investigation agencies, designers, consultants, project management authorities, contracting agencies, and clients. Several case studies of the recently completed, and ongoing projects will be discussed, which would benefit the Civil engineering and in particular geotechnical profession.

## PATRONS :

**Mr. S.V.R. Srinivas**, Addl. Chief Secretary and Commissioner, MMRDA

**Prof. N.K.Samadhiya**, President, Indian Geotechnical Society, New Delhi

**Prof. Subhasis Chaudhuri**, Director, IIT Bombay



## ADVISORY COMMITTEE :

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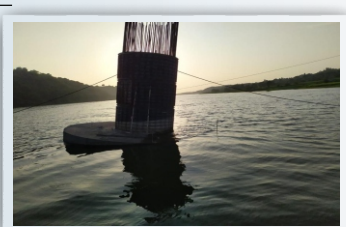
## ORGANIZING SECRETARIES :

**Prof. Dasaka S. Murty**,  
Chairman, IGS Mumbai Chapter  
Professor, Dept. of Civil Engg.  
IIT Bombay

**Prof. Ashish Juneja**,  
Honorary Secretary, IGS Mumbai Chapter  
Professor, Dept. of Civil Engg.  
IIT Bombay

## PROSPECTIVE SPEAKERS AT THE WORKSHOP :

Renowned academicians from India and US, professionals dealing with planning, design and construction, testing and maintenance will be delivering the lectures at the workshop, and provide insight into the various aspects of the heavy infrastructure projects through recent case studies.



## WHO CAN ATTEND

Engineers, Designers, Contractors, Researchers, and Students dealing with planning, design, construction, and maintenance of infrastructure projects will be benefitted from attending the workshop.

## IMPORTANT DATES

Last date for online registration - 28<sup>th</sup> September, 2022 (Wednesday)

Workshop dates - 1 - 2 October, 2022

## REGISTRATION

Interested delegates have to register online for the course by 28<sup>th</sup> September, 2022 by visiting the following link. <https://forms.gle/9jyBTSHUQsqShfb16>

The registration fee for the workshop is Rs. 2000/- (Rupees Two Thousand Only), and delegates can pay the registration fee online using the following details.

Bank account details:

Name: **IGS Mumbai Chapter**

Account No. **2667101144533**

Name of the bank: Canara Bank

Branch: Mumbai Andheri West SSB Branch

IFSC Code: **CNRB0002667**

## ADDRESS FOR CORRESPONDENCE

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