

# Speakers

## Hazards and Risks ... and What to do About Them!



**Dr. N Krishnamurthy**  
Founder-Director, Centre for Workplace Safety and Health, Mysuru;  
Safety Consultant and Trainer, Singapore

## Risk Management of Contracts



**Mr. Uttam Sengupta**  
former Corporate Advisor-Contracts & Risks  
Voltas Limited

## Multi-hazard considerations for Assets - Framework



**Dr. Vasant Matsagar**  
Dogra Chair Professor  
Department of Civil Engineering  
Indian Institute of Technology, Delhi

## Evaluating Legal Risks in Contracts



**Mr. Rajat Taimni**  
Partner  
Tuli and Co. Advocates and Solicitors  
Head of Practice-Dispute Resolution

## Catastrophe Modelling and Industrial Outlook



**Dr. Nikil N Pujari**  
Senior Specialist  
Willis Towers Watson  
WTW Global Delivery and Solutions (I) Pvt Ltd  
Insurance Brokerage and Advisory Company

## Indian Codes & Standards relating to Hazards & Risks in Engineering



**Mr. Abhishek Pal**  
Scientist 'C'  
Civil Engineering  
Bureau of Indian Standards

## Project Risks & Insurance



**Mr. Pranav Patel**  
Senior Vice President  
Marsh India Insurance Brokers Pvt Ltd

Risks are encountered at every step and hence an exhaustive discussion would virtually not be feasible. The webinar will focus on three areas. Firstly, Risks in Engineering, be they Projects or others. Given the complexity of engineering in these times, the identification, assessment and mitigation of risks is necessary and essential; that's what will be talked about. Secondly, Contracts, which whether written or oral, explicit or implied have also become a part and parcel of our life. Hence, understanding Risks in a Contract is essential. Further, rationalization of Contracts with equitable allocation of responsibilities, risks and accountability are the sine qua non for projects.

Thirdly, the need to address hazards which if not properly dealt with can lead to risks. There are man-made risks and those on account of nature. Natural phenomena in most cases result in multi-hazard situations; one disaster giving rise to another - storms to landslides or glacial movement and floods; cyclones to storm surges, tsunamis by undersea earthquakes, etc. The need to consider and engineer for such multi-hazard scenarios will be discussed.

The webinar will help to orient and channelise the thought process so that the consequences can be minimized if not totally nullified. Engineers from all disciplines, Design Engineers, Quantity Surveyors, Construction Professionals Consultants, Corporate Legal Heads, VP/GM Contracts, Commercial Managers, Project Managers, Lawyers & Arbitrators, Insurance Professionals and Others who have a professional interest in Engineering projects and products will find to be of immense benefit.

# WEBINAR HAZARDS & RISKS

24TH JUNE 2021  
10:30 AM IST

## Opening Address



**Dr. Ajay Pradhan**  
President  
Consulting Engineers Association of India

## Moderator



**Dr. Harshavardhan Subbarao**  
Member Governing Council  
Consulting Engineers Association of India  
Chairman CEAI-Western Region Centre

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# Speakers

- **Dr. N. Krishnamurthy**, has two degrees from India and PhD from USA, and more than sixty years of experience in teaching, research and consulting from India, USA, and Singapore, on structural engineering, computer applications and workplace safety.

He is a Safety Consultant and Trainer in Singapore, and Founder-President of the Centre for Workplace Safety and Health at the National Institute of Engineering at Mysuru, Karnataka.

Dr. Krishnamurthy has spent the last few decades in workplace safety and risk management in India, USA, and Singapore, publishing three books and many papers on the subject, and has one patent on Risk Assessment. He has served as consultant for many Government and private parties, and investigated accidents.

He is a Member of the Expert Committee for the Government of India Occupational Safety and Health (Factories) Regulations.

- **Mr. Rajat Taimni**, a Partner with Tuli and Co., Advocates and Solicitors is Head of Practice-Dispute Resolution. His Core practice is handling litigation and arbitration disputes involving construction, delay and damages, contractors disputes, sovereign funds, charterparties, sports and media, white collar issues, employment and harassment, joint venture disputes, railways, aviation and defence contracts.

Rajat specializes in ad-hoc arbitrations as well as institutional arbitrations arising in India as well as abroad under insurance and reinsurance disputes. He has participated in arbitral proceedings before retired judges of Supreme Court of India, High Courts of India, Technical arbitrations and in disputes under the rules of forums such as London Court of International Arbitration, International Chamber of Commerce, Singapore International Arbitration Centre, Indian Council of Arbitration, among others.

Rajat acts for a cross-section of domestic and international clients.

He has published 3 books and is a Member of ICC India Arbitration Group and Co-ordination Committee Corporate Member, ICC; Executive Committee Member of the Indian National Bar Association; MCI Arb; Member, Chartered Institute of Arbitrators; Member, New York International Arbitration Centre Member; International Associate, American Bar Association (ABA) and Member ABA Committee on Arbitration; and ADR Panel of Arbitrators, Assocham International Council of Alternate Dispute Resolution (AICADR).

- **Dr. Vasant Matsagar** is the Dogra Chair Professor, Department of Civil Engineering, Indian Institute of Technology, Delhi. He earned his doctorate degree from Indian Institute of Technology (IIT) Bombay and performed post-doctoral research at the Lawrence Technological University (LTU), USA. His current research interests include multi-hazard protection of structures from earthquake, blast, fire, and wind scenarios. He has guided students at both undergraduate (UG) and postgraduate (PG) levels in their bachelors and masters projects and doctoral research. Besides student guidance, he is actively engaged in sponsored research and consultancy projects at national and international levels. He is Fellow of Institution of Engineers, IEI (India), Indian Society of Earthquake Technology (ISET), and member of several professional societies.

Prof. Matsagar is the recipient of numerous national and international awards. He has also been appointed as "DAAD Research Ambassador" by the German Academic Exchange Program since the academic session 2010. He is serving as Editor-in-Chief and member of editorials boards of several indexed journals of repute. He is currently serving on code development committees in the Bureau of Indian Standards (BIS), India, and on the Building Code of Practice (BCP) and

- **Mr Uttam Sengupta**, former Corporate Advisor- Contracts & Risk, Voltas Limited has a career spanning over 40 years. He started with reputed engineering multinational Siemens, in various Domestic and International functions. Later, at Voltas Limited, a TATA Enterprise he headed Contracts & Risk Management for the International and Domestic businesses.

He specialises in Contract Management, evaluation of risk by reference to contract provisions, monitoring and reviewing them so as to suggest mitigation measures in the entire contract procedure, including basic risk areas.

He has a proven track record of managing risks of multi-million dollar international projects across Middle-East, South East Asia and Africa with a willingness and aptitude to handle challenging assignments.

He was actively involved, in mentoring management students from reputed management institutions in International Business, lecturing and sharing of knowledge at various corporate forums and institutional bodies. He was a Member on the Board of Studies of GNIMMS and the Industry Representative on the Ad-hoc Board of Studies in Management Courses, Mumbai University.

He represented Voltas on the Governing Council of the Consulting Engineers Association of India and was also the Chairman of its Western Region Centre.

- **Dr. Nikil N Pujari**, is Senior Analyst at Willis Towers Watson, a global multinational risk management, insurance brokerage and advisory company, for Model Research and Evaluation team for USA. He evaluates vendor catastrophe models in detail and points out the pros and cons of the model. Apart from model evaluation, he also helps client evaluate risk mitigation strategies.

Nikil's research domain include projects aligned and related to topics like seismic fragility of nuclear containment structures, numerical modeling, reliability analysis of structures, earthquake hazard and vulnerability engineering and statistical analysis.

After doing PhD, he had joined RMS as a 'Vulnerability Modeler'. The major projects were India Flood and Philippines Typhoon vulnerability modeling. They included studying detailed regional construction practices, contributing and understanding how the cost of replacement dynamics for different material differs from different regions and different perils, land use & land cover information, demographics and census information relevant to modeled country. He has also worked on modeling of secondary uncertainty, secondary modifiers and Industrial Facilities Model (IFM).

- **Mr. Abhishek Pal** is Scientist 'C', Civil Engineering Department, Bureau of Indian Standards. He has been involved with Standardization in various Civil Engineering areas such as Steel, Special Structures, Structural Safety, Safety in Construction, Constructional Practices and Management, other Building Materials like wood and lignocellulosic products, furniture, etc.

He is also in the field of Quality Control, Quality Assurance and Third Party Certification for various products used in Civil Engineering and Building Construction applications, including certification of cement, mineral admixtures, precast concrete products and other cement matrix products, concrete reinforcement, wood based building materials, and other building materials.

His Special Achievements are the Landmark Formulation of IS 16700 : 2017 Criteria for Structural Safety of Tall Concrete Buildings; Formulation of IS 11504 : 2021 Criteria for Structural Design of Reinforced Concrete Natural Draught Cooling Tower; Development of series of Indian Standards on Construction Project Management i.e. IS 15883; and Formulation of new standard on Guidelines for Habitat requirements for Construction Workers IS 16601:2016.

His current major assignments are as Member Secretary of Special Structures Sectional Committee, Structural Steel and Structure Sections Sectional Committee, Structural Safety Sectional Committee, and Ports, Harbours and Offshore Installations Sectional Committee.

**Mr. Pranav Patel** is Senior Vice President at Marsh India Insurance Brokers Private Limited. He is the leader of the India Client Service Practice, which specializes in serving the risk and insurance needs of Indian Multinationals. He is also the technical leader of the Energy and Infrastructure practice at Marsh India. He is a chemical engineer by qualification and has 23 years of experience in the field of risk and insurance. He is involved in client advisory and broking initiatives in construction and operational programs in the Oil & Gas, Power and infrastructure sectors. Pranav has also advised lenders and private equity investors on risk and insurance issues as a part of the due diligence carried out by them.

**Dr. Harshavardhan Subbaro** is a Member Governing Council, CEAI; Chairman CEAI-Western Region Centre; and Chairman & Managing Director, Construma Consultancy Pvt. Ltd.

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## Media Partners



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