



International Road Federation

# Seminar on - Environmental Protection and Safety during Construction

13 -14 July, 2018

## Programme

<b>13<sup>th</sup> July, 2018</b>	<b>Contents</b>
08.30 am – 09.30 am	<ul style="list-style-type: none"> <li>• Registration &amp; Networking Tea</li> </ul>
09.30 am – 10.30 am	<ul style="list-style-type: none"> <li>• Inaugural ceremony</li> <li>• Welcome speech</li> <li>• Keynote address by Chief Guest</li> <li>• Vote of thanks</li> </ul>
10.30 am – 11.00 am	Tea break
	<b>Design for Safety</b>
11.00 am – 01.30 pm	<ul style="list-style-type: none"> <li>• Safety Audit - A Construction Management Approach</li> <li>• Guidelines for Considering Construction Safety Requirements in the Design Process</li> <li>• Software to Select Design for Safety such as Slope Stability etc.</li> <li>• Affects of Globalisation on Safety in Engineering and Construction Projects</li> </ul>
01.15 pm – 02.00 pm	Lunch break
	<b>Environmental Protection on Construction Projects</b>
02.00 pm – 03.30 pm	<ul style="list-style-type: none"> <li>• Use of waste / untreated / treated water in construction</li> <li>• Approaches to recycling during construction</li> <li>• Calculation of Carbon-dioxide emissions in design and subsequent implementation during design and operation</li> <li>• Investigation &amp; relevant action in response to complaints of statutory nuisance under the Environmental Protection Act, 1990 &amp; Clean Neighborhood &amp; Environmental Act, 2005</li> <li>• Minimizing air/sand pollution on construction sites</li> <li>• Identification and Evaluation of contaminated land sites</li> <li>• Implications of Unsatisfactory Drainage</li> <li>• Strategies for minimising waste during construction</li> </ul>
03.30 pm – 04.00 pm	Tea break
	<b>Technology</b>
04.00 pm – 06.00 pm	<ul style="list-style-type: none"> <li>• Developing Construction Cad-Based Safety Experience Management System for Engineers</li> <li>• Developing Construction Safety-Based E-Learning Management System</li> <li>• Tower Crane Safety Enhancement With Operator Vision Aid</li> <li>• Using a Binary Probit Model With Random Effects to Evaluate the Effectiveness of High-Visibility Personal</li> </ul>

Protective Equipment on Nighttime Highway Operations	
<b>14<sup>th</sup> July, 2018</b>	
	<b>Safety during construction</b>
09.30 am – 11.00 am	<ul style="list-style-type: none"> <li>• Traffic management during construction of Highways</li> <li>• Identification and management of blind spots during construction</li> <li>• Signages &amp; Apparels during construction of Highways</li> <li>• Highway Workers Safety – Policies, Practices and Legal Issues</li> </ul>
11.00 am – 11.30 am	<b>Tea break</b>
	<b>Safety Issues &amp; Risk</b>
11.30 am – 01.15 pm	<ul style="list-style-type: none"> <li>• Safety Performance in Developing and Developed Countries</li> <li>• Health Safety and Environmental Management Systems – A case study</li> <li>• Institutional And Economic Challenges to Safety Management within SMEs in Developing Countries</li> <li>• Quantification and Communication of Construction Safety Risk</li> <li>• Safety for Women &amp; Children at construction sites</li> <li>• Assessing Safety Risks on Construction Projects Using Analytic Network Process</li> <li>• Framework For Change In Safety Culture in India</li> </ul>
01.15 pm – 02.00 pm	<b>Lunch break</b>