



**BHARATMALA**  
ROAD TO PROSPERITY



**भारतीय राजमार्ग अभियन्ता अकादमी**  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
**Indian Academy of Highway Engineers**  
(Ministry of Road Transport and Highways, Govt. of India)



## New Materials and Technologies in Highway Construction

Day 1	
Time Period	Description of Topic
<b>Day-01</b>	
09.45-13.00	<b>New Materials</b> <ul style="list-style-type: none"> <li>• High Performance Concrete</li> <li>• High Performance Steel</li> <li>• Self-Compacting Concrete</li> <li>• Fiber Reinforced Concrete</li> <li>• New Generation Stabilizers</li> <li>• Bioconcrete or Self- healing Concrete</li> <li>• Precast Concrete Pavements</li> <li>• Geopolymer Concrete</li> <li>• Ultra High Performance Steel Fiber Concrete</li> </ul>
14.00-17.15	<b>New Materials (Contd)</b> <ul style="list-style-type: none"> <li>• Polymer Asphalt</li> <li>• Recycled Plastic Roads</li> <li>• Prefabricated Plastic Roads</li> <li>• Fiber Reinforced Polymers</li> <li>• Geogrid &amp; Geo Cells</li> </ul>
<b>Day-02</b>	
09.45-13.00	<b>New Technologies</b> <ul style="list-style-type: none"> <li>• Unmanned aerial vehicles (UAVs)</li> <li>• NSV</li> <li>• MBIU</li> <li>• Asset Management Software</li> </ul>
14.00-17.15	<ul style="list-style-type: none"> <li>• Recycling of Pavements</li> <li>• Warm Recycled Mix (WRM)</li> <li>• Cold Recycled Mix (CRM)</li> <li>• Repair &amp; Rehabilitation Methods</li> </ul>
17.15-17.30	❖ Test, Feedback, Concluding and Distribution of Certificates

Please note: All correspondence should be addressed to the Director by designation only

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