

International Conference on Bitumen Emulsion (ICBE) 2025

18th June 2025 | Le Méridien, New Delhi



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for Registration



About the Event

The International Conference on Bitumen Emulsion is a key event for road construction professionals, focusing on the latest innovations and sustainable practices in bitumen emulsion. This prestigious gathering in India will bring together experts, researchers, industry professionals, and policymakers to discuss cutting-edge technologies, environmental benefits, economic advantages, and best practices across the world.

The conference will feature keynote speeches, technical sessions, panel discussions, workshops, and exhibitions. Keynote addresses will set the stage for discussions on bitumen emulsion's role in modern infrastructure. Technical sessions will cover innovations, sustainability, economic benefits, and quality control. Panel discussions will provide a platform for sharing experiences and perspectives, with opportunities for Q&A.

Expected outcomes include a deeper understanding of bitumen emulsion benefits, identification of best practices, strengthened collaborations, actionable recommendations for policymakers, and increased awareness among professionals and students.



Who Should Attend

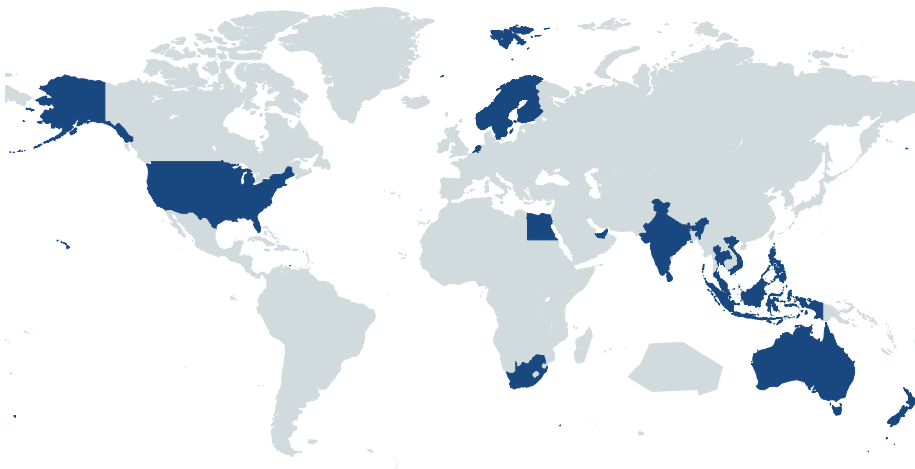
Government

- Ministry of Road Transport and Highways
- Ministry of Rural Development
- National Highway Authority of India
- Indian Highway Management Company
- National Highways Logistics Management Limited
- Municipal Corporations
- Public Works Departments
- City Development Authorities
- Smart Cities
- State Road Transport Undertakings
- Airport Authority of India

Private

- Infrastructure and Construction Companies
- Road Concessionaires
- Smart City Consultants / Implementors
- Turnkey Project Consultants
- Engineering Consultants
- Road Construction - Design & Contractors
- OEM Suppliers
- Academia, Research & Training,
- Architectural and Planning Institutes
- Architects & Urban Planners
- Consultant, Engineers & Safety Auditing Companies

Participating Countries



- | | | |
|-----------------------|---------------|---------------|
| ● Netherlands, Europe | ● India | ● Australia |
| ● Sweden, Europe | ● Vietnam | ● New Zealand |
| ● Massachusetts, US | ● Philippines | ● Sri Lanka |
| ● Indonesia | ● Singapore | ● Thailand |
| ● Egypt | ● Malaysia | ● Nepal |
| ● Pennsylvania US | ● UAE | |

Key Discussion Area

Road Construction Bitumen emulsion is used in new road construction as a prime coat for base layer adhesion, a tack coat for bonding asphalt layers, and in cold mix asphalt production to enhance energy efficiency and reduce emissions. It is also applied in surface dressing for durability and skid resistance, and for dust control on unpaved roads. Overall, it promotes cost-effective, environmentally friendly, and durable road surfaces.

Road Rehabilitation Case study on road rehabilitation through bitumen emulsion involves cold recycling and surface renewal techniques, enhancing pavement durability and performance while minimizing environmental impact and reducing costs.

Road Preservation Crucial in today's era of extensive construction projects, serving as the backbone for ensuring long-term road durability and functionality. Regular maintenance and preservation strategies, such as seal coating, crack sealing, and resurfacing, protect road surfaces from deterioration, extend their lifespan, and enhance safety and driving comfort. By prioritizing road preservation, authorities can optimize resource allocation, reduce repair costs, and maintain the integrity of infrastructure investments, ultimately supporting sustainable development and efficient transportation networks.

Other Innovative Technologies Bitumen emulsion's future role extends beyond road construction into green roofing systems, providing waterproofing and thermal insulation, and high-performance waterproofing membranes for buildings and underground structures. It is also utilized in industrial coatings to prevent corrosion, bitumen-based adhesives for strong bonding, and sound-proofing materials to reduce noise pollution effectively. These applications highlight the versatility and potential of bitumen emulsion in promoting sustainable and innovative solutions across various industries.



About CSIR-CRRI



CSIR-Central Road Research Institute (CRRI), a premier national laboratory established in 1952, a constituent of Council of Scientific and Industrial Research (CSIR) is engaged in carrying out research and development projects on design, construction and maintenance of roads and runways, traffic and transportation planning of mega and medium cities, management of roads in different terrains, improvement of marginal materials, utilization of industrial waste in road construction, landslide control, ground improvements environmental pollution, road traffic safety and analysis & design, wind, fatigue, corrosion studies, performance monitoring/evaluation, service life assessment and rehabilitation of highway & railway bridges. The institute provides technical and consultancy services to various user organizations in India and abroad. For capacity building of human resources in the area of highway engineering to undertake and execute roads and runway projects, Institute has the competence to organize National & International Training Programmes continuing education courses since 1962 to disseminate the R&D finding to the masses.

Prof. Manoranjan Parida

Director,
CSIR-Central Road
Research Institute

Mr. Manoj Kumar Shukla

Senior Principal Scientist
CSIR – Central Road Research
Institute

Dr. Siksha Swaroopa Kar

Senior Principal Scientist
CSIR – Central Road Research
Institute

About PHDCCI



PHDCCI has been working as a catalyst for the promotion of Indian industry, trade and entrepreneurship for the past 120 years. It is a forward looking, proactive and dynamic PAN-India apex organization. As a partner in progress with industry and government, PHDCCI works at the grass roots level with strong national and international linkages for propelling progress, harmony and integrated development of the Indian economy.

PHDCCI, acting as the “Voice of Industry & Trade” reaching out to more than 1,50,000 large, medium and small industries, has forged ahead leveraging its legacy with the industry knowledge across multiple sectors to take Indian Economy to the next level.

At the global level, we have been working with the Embassies and High Commissions in India and overseas to bring in the International Best Practices and Business Opportunities.

Dr. Jatinder Singh

Deputy Secretary General
PHDCCI

Mr. Ramesh Acharya

Joint Secretary
PHDCCI

Ms. Vasudha Pant

Assistant Secretary
PHDCCI

About Nouryon

Nouryon

Nouryon is a global, specialty chemicals leader, with dual headquarters in Radnor, PA, and Amsterdam, Netherlands, and incorporated in Ireland. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 8,200 employees with a shared commitment to our customers, business growth, safety, sustainability, and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands.

Mr. Matthijs Bults

Global Sales Manager
Asphalt Paints & Coatings
Nouryon

Mr. Aashish Tripathi

Sales Manager
Asphalt Asia Pacific,
Paints & Coatings Nouryon

Mr. Neeraj Thakur

Sales Manager
Asphalt India Subcontinent
Paints & Coatings, Nouryon



Conference Programme

08:30 - 09.30	Registration
09:30 - 10.30	Inaugural Session
Session 1 (11.00 - 12.30)	<div>Advancements in Pavement Technology: The Role of Bitumen Emulsion<ul style="list-style-type: none">Innovative Road Rehabilitation Techniques: CIR (Cold In-Place Recycling), CCPR (Cold Central Plant Recycling), and FDR (Full Depth Reclamation) for Sustainable InfrastructureCold Mix application related topicEnhancing Pavement Design with Adhesion Promoters and Warm Mix Asphalt TechnologyAdvancements in Trackless Tack Coat Technology for Improved Pavement BondingEmulsified Asphalt Prime: A Sustainable Solution for Modern Pavement Systems</div>
12:30 - 13.30	Networking Lunch
Session 2 (13.30 - 15.10)	<div>Enhancing Road Longevity: The Impact of Bitumen Emulsion in Preservation<ul style="list-style-type: none">Innovations in Micro-Surfacing and Slurry Seal Applications for Sustainable Road MaintenanceEnhancing Road Durability with Advanced Surface Dressing Techniques: Focus on Chip Seal ApplicationsPanel Discussion: Government and Industry Insights on Enhancing Road Rehabilitation and Preservation with Bitumen Emulsion</div>
Session 3 (15.10 - 16.50)	<div>Exploring Diverse Applications of Bitumen Emulsions<ul style="list-style-type: none">Non-paving applications - WaterproofingCement Asphalt Mortar - Application of asphalt-based materials in railway systemsPanel Discussion: The Future Role of Bitumen Emulsion in Sustainable Infrastructure and Advanced Applications</div>
16:50 - 17.00	Event Closing Remarks

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