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CSIR CRRI

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PHD CHAMBER OF COMMERCE AND INDUSTRY
ESTD. 1905

2nd International Conference on

STEEL SLAG ROAD®

A Sustainable Green Infrastructure Transforming Waste to Wealth

Monday, January 18th 2027 | Grand Millennium Muscat, Muscat - Oman



Platinum Partner

JINDAL STEEL

Silver Partner

HARSCO ENVIRONMENTAL

Supported by

BF Bitumen Forum

Rex Fuels

IndianSteel ASSOCIATION

ABOUT THE EVENT

Steel Slag Road® technology, which converts industrial steel waste into durable and eco-friendly road construction material, has emerged as a pioneering solution for sustainable infrastructure. Once regarded as an industrial by product, steel slag is now widely used in road construction, asphalt mixes, pavement layers, and cement, reflecting the global shift towards circular economy principles, resource efficiency, and waste-to-wealth initiatives. **CSIR–Central Road Research Institute (CSIR–CRRI)** has played a pioneering role in developing this technology, transforming industrial waste into high-performance infrastructure. The technology conserves natural resources, enhances road durability, reduces environmental impact, and promotes sustainable, cost-effective infrastructure development.







In an era marked by economic uncertainty and geopolitical shifts, **Oman** continues to distinguish itself through stability, progressive economic policies, and a long-term development vision. The implementation of the **India–Oman Comprehensive Economic Partnership Agreement (CEPA)** has opened new avenues for bilateral cooperation in infrastructure, construction, steel, logistics, and manufacturing. Against this backdrop, the **2nd International Conference on Steel Slag Road®** is being organized at a strategically significant time. As Oman advances its **Oman Vision 2040**, with a strong focus on sustainable infrastructure, industrial diversification, and the circular economy, the conference will serve as a vital platform for policymakers, industry leaders, researchers, and investors from India and Oman to exchange knowledge, foster partnerships, and accelerate the adoption of sustainable infrastructure solutions that transform waste into wealth.

WHO SHOULD ATTEND

- Senior Officials from Ministries of Roads Transport and Highways, Ministry of Steel and Ministry of Environment
- Central pollution control board and state pollution control board
- Government Officials in Infrastructure Departments
- Civil Engineers & Transportation Engineers
- Road Construction Professionals
- Aggregate producer and Suppliers
- Representatives from the Steel Industry
- IoT-enabled Technology Providers
- Highway Operators
- Road Development Agencies
- Construction Firms and Contractors
- Product and Service Providers (Steel, Bitumen, etc.)
- Environmental Engineers & Technology Companies
- Construction Equipment Companies
- Waste Management and Recycling
- Consulting and Engineering Firms
- Researchers and Academics in Materials Science and Engineering
- Sustainability Experts, Environmental Services and Consulting
- Finance and Investment

KEY BENEFITS OF STEEL SLAG ROAD® TECHNOLOGY

Technical Benefits

- Improved durability of road with better service life
- Higher load resistance capacity
- Reduced Road Thickness
- Improved skid resistance
- Economical than conventional bituminous and cement concrete roads

Environmental Benefits

- Eco-friendly sustainable utilization of 19 million tons of steel slag waste, generated annually through various steel plants in the country which will be increased to 45 million tons by 2030.
- Saving of Natural Aggregates by utilisation of steel slag aggregates in road utilisation thereby reducing unsustainable quarrying and mining.
- Reduction of Green House Gas emissions & carbon footprint in road construction.
- Prevention of potential land, air and water pollution due to unscientific disposal of steel slag as solid waste



KEY DISCUSSION AREAS



- Introduction to Steel Slag and its Properties
- Utilization of Steel Slag in Road Construction: Benefits and Challenges
- Case Studies of Successful Steel Slag Road Projects
- Innovative Technologies for Processing and Incorporating Steel Slag in Road Pavements
- Environmental Impacts and Sustainability of Steel Slag Roads
- Performance Evaluation and Durability of Steel Slag Pavements
- Regulatory Framework and Standards for Using Steel Slag in Road Construction
- Economic Considerations and Cost-Benefit Analysis of Steel Slag Roads
- Future Trends and Research Directions in Steel Slag Road Construction
- Collaborative Approaches for Promoting Steel Slag Roads in India



ATTENDEE PROFILE

- Central & State Government Officials
- Senior Officials from BRO
- Road Construction Professionals
- Aggregate producer and Suppliers
- Environmental Engineers & Technology Companies
- Construction Equipment Companies
- Consulting and Engineering Firms
- Researchers and Academics
- Sustainability Experts
- Infrastructure Developers
- Policy Makers & Associations
- Industry Consultants & Academicians

BENEFITS OF PARTICIPATION

- Deliberation and Analysis of Global and Indian Steel Industries
- Meet Industry Experts
- Networking with Decision Makers
- Stay Updated & Explore Collaborative Opportunities
- Access to Industry Insights
- Contribute to Sustainable Development
- Professional Development
- Visibility and Branding

GLIMPSES

GLIMPSES OF MAJOR STEEL SLAG ROAD PROJECTS ACROSS INDIA

















GLIMPSES OF 1ST INTERNATIONAL CONFERENCE ON STEEL SLAG ROAD®





ABOUT CSIR-CRRI

CSIR-Central Road Research Institute (CRRI), a premiernational laboratory establishedin 1952, a constituent of Council of Scientific and Industrial Research (CSIR)(link is external) isengaged incarrying 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.

Dr. Chalumuri Ravi Sekhar
Director
CSIR-Central Road Research Institute,
Ministry of Science and Technology, Govt. of India

Mr Satish Pandey
Scientist F & HOD–Flexible Pavements Division,
CSIR-Central Road Research Institute & Organizing Secretary
Ministry of Science and Technology, Govt. of India
Co-Chair,PHDCCI Infrastructure and Road Development Committee

ABOUT PHDCCI

PHDCCI has been working as a catalyst for thepromotion ofIndianindustry,trade and entrepreneurship for the past 121 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.

PARTNERSHIP OPPORTUNITIES

Platinum SponsorINR 25 Lakhs + 18% GST
Gold Sponsor INR 15 Lakhs + 18% GST
Silver Sponsor INR 10 Lakhs + 18% GST
Bronze Sponsor INR 8 Lakhs + 18% GST

Delegate Fees

Delegate Fee for Indian Nationals INR 10,000/- + 18% GST
Delegate Fee for Oman Nationals / Residents OMR 100
Delegate Fee for International Delegates USD 350

FOR MORE DETAILS ; PLEASE CONTACT

PHDCCI Secretariat
For Sponsorship & Registration Queries

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For manual registration, please fill the duly filled registration form

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DELEGATE REGISTRATION FORM

Organization: .....

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Company's GST number with address (Mandatory)

DELEGATE DETAILS:

Name	Designation	E-mail	Mobile	Passport details			
				Passport No.	Valid till	Place of Issue	Date of Birth

DELEGATE FEE:

FEES	AMOUNT
Registration fee per Indian delegate	INR 10000/- + 18 % GST
Delegate Fee for Oman Nationals / Residents	OMR 100
Registration fee for International Delegate	USD 350

Note

- Note that the delegate fee(s) is non-refundable. However, changes in the nomination can be made.

Payment/Registration Mode

Please send filled registration form along with fees to:

For More details, please contact:

Mr Ramesh Acharya & Mr Kabir Roy - PHDCCI
(+91- 9818289382 / +91- 7011027567) Email: ramesh.acharya@phdcci.in / kabir.roy@phdcci.in

Please note the bank details:

Bank Name	Bank of India
Branch	Panchsheel
Account Name	PHD Chamber of Commerce and Industry
Account No.	602220100010035
Account Type	Current Account
Bank Address	7, Panchsheel Shopping Centre, New Delhi-110016
NEFT/RTGS/IFSC	BKID0006022
Swift Code -Bank of India	BKIDINBBNPL

SCAN TO PAY