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PRESS-RELEASE

Civil Engineering experts congregated at IIT (ISM) Dhanbad explore latest breakthroughs in opportunities and challenges of industrial and mine waste as a construction material during the Technical Seminar on Valorization of Industrial Mine Wastes in Highway Construction.

Civil Engineering Experts from different parts of the country congregated at IIT (ISM) Dhanbad for a One-Day Technical Seminar on Valorisation of Industrial and Mine Wastes in Highway Construction, which explored the latest breakthroughs in opportunities and challenges of industrial and mine waste as a construction material.

The seminar organized by the Indian Geotechnical Society, (IGS) Dhanbad Chapter, in association with the Central Road Research Institute, New Delhi, which was inaugurated by Prof. Manoranjan Parida, CSIR-Central Road Research Institute, witnessed four key addresses, including one on industrial waste materials for road construction by Dr. Anil Kumar Sinha, Head Geotechnical Engineering and Senior Principal Scientist, CSIR-CRRI New Delhi; the other on Odisha Roads and Ferrochrome Slag: A Green Replacement for Natural Aggregates.

Prof. Sowmiya Chawla, Associate Professor, Department of Civil Engineering, IIT (ISM) Dhanbad, during her key note address talked about “Coal Mines Overburden as Potential Geomaterial in Transportation Infrastructure using Geosynthetics.”

Smruti Sourav Mahapatra, Associate Professor, Department of Civil Engineering, IIT (ISM) Dhanbad, delivered his key note address on the topic, “Exploring feasibility of coal mine overburden material for low volume road construction.”.

During the inaugural address, Chief Guest Prof. Manoranjan Parida spoke about the Central Road Research Organization, a premiere research laboratory of the Council of Scientific and Industrial Research, and its research and development projects.

Prof. Sarat Das, Dean Faculty, IIT (ISM), who was also Chairman, IGS Dhanbad Chapter, spoke during his address about the significance of the seminar and said, “As we aim to expand in infrastructure development and industrialization, a holistic approach lies in valuing industrial and mining wastes as highway construction material.”

Prof. Srinivas Pasupuleti, Head of Department, Civil Engineering, who was also present during the function, described the history and ongoing courses and also specializations like structural engineering, geotechnical engineering, water resources engineering, and transportation engineering.

Earlier in the day, a MoU was also signed between IIT (ISM) Dhanbad and Central Road Research Institute Dhanbad for collaborative research and development work at the Conference Hall of the Administrative Building of IIT (ISM), during which Prof. Sukumar Mishra, Director IIT (ISM); Prof. Sagar Pal, Dean, R&D; and Prof. Srinivas Pasupuleti, HoD, Civil Engineering, represented the IIT (ISM) side, while the team led by Prof. Manojan Parida represented the CSIR-CRRI side.

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