



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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PRESS RELEASE

World-renowned expert in Civil/Geotechnical Engineering, Sanjay Kumar Shukla delivers expert talk at IIT (ISM) on “Wraparound Reinforcement Technique for Strengthening the Foundation Soil.

Prof Sanjay Kumar Shukla, a world renowned expert in civil /Geotechnical Engineering who was in IIT (ISM) today to deliver an expert talk on Wraparound Reinforcement Technique for Strengthening the Foundation Soil said, “The technique brings additional improvement in the load bearing capacity and also brings improvement to the stiffness in terms of modulus of subgrade reaction”.

Shukla, a Geotechnical and Geoenvironmental Engineering Research Group Leader of School of Engineering, Edith Cowan University, Perth, Australia while speaking during the talks organized by Indian Geotechnical Society Dhanbad Chapter and Department of Civil Engineering of IIT (ISM) at Conference hall of Civil Engineering Department of the institute, further said that the Wraparound can also be highly beneficial in a location of limited land width for foundation construction.

Wraparound reinforcement technique is based on filled soil bag wrapped around by reinforcing geogrid forming the facing of the retaining wall

Shukla who serves as Founder Editor in Chief of International Journal of Geosynthetics and Ground Engineering by Springer, Switzerland during his hour long talk attended by over 100 research scholars, students and faculty members led by Sarat Kumar Das, Head of the Department of Civil Engineering and Chairman of Dhanbad Chapter of Indian Geotechnical Society further said that the Reinforced foundation soil provides improved load-bearing capacity and reduced settlements by distributing the imposed loads over a wider area of weak subsoil.

He further said that the improved performance of Geosynthetic Reinforced Foundation soil can be attributed to an increase in shear strength of the foundation soil from the inclusion of geosynthetic layers.

Prof Shukla who holds distinguished professorship in ten universities including esteemed Indian Institute of Technology Madras and Southern Illinois University, Carbondale, US is a distinguished fellow of American Society of Civil Engineers and Engineers Australia and a life fellow of Institution of Engineers (India) and Indian Geotechnical Society.

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