

IITI researchers write on rocks & soil types in MP

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A team of researchers from the Indian Institute of Technology of Indore has written a chapter on rocks and soil types of Madhya Pradesh. The research team, which includes Dr Lalit Borana, professor Manish Kumar Goyal and Dr Vikas Poonia, department of civil engineering, has contributed a book chapter, ti-

tled 'Madhya Pradesh'.

The chapter was written in collaboration with researchers from other institutions, including Sanjoy Bhowmik and VK Panwar of Engineers India Limited. 'Madhya Pradesh' is the 21st chapter of the book, titled 'Geotechnical Characteristics of Soils and Rocks of India', published by CRC Press London, Taylor and Francis Group. It

was edited by Sanjay Kumar Shukla from the School of Engineering, Edith Cowan University, Perth, Australia.

The chapter discusses about the geotechnical details of geomaterials (soils and rocks) available in Madhya Pradesh. The borehole data from selected areas of the state have been analysed to provide a detailed idea on the under-

ground properties of soil/rock and the existing water table. It presents the geotechnical characterization, including the index and strength properties of the subsoil layer.

"The chapter also discusses the suitability of the existing soil as construction material and if it can withstand the potential hazards that trigger infrastructural damage.

Suitable measures to counteract the possible hazards that may occur during the design/construction phase are also discussed," said a press release issued by IIT Indore.

The book presents the geotechnical details of geomaterials found in all states and Union Territories of India. It covers practical information and technical data for applica-

tion in ground infrastructure projects, including the foundation of structures, highway, railway and airport pavements, embankments, retaining structures/walls, dams, reservoirs, canals and ponds, landfills and tunnels. These details are extremely useful for professionals dealing with mining, oil and gas projects and agricultural and aquacultural engineering projects.

The chapter discusses about the geotechnical details of geomaterials (soils and rocks) available in MP

आइआइटी इंदौर की टीम ने मिट्टी और चट्टानों की जानकारी दी

इंदौर। भारतीय प्रौद्योगिकी संस्थान (आइआइटी) इंदौर की टीम ने सीआरसी प्रेस लंदन टेलर और फ्रांसिस ग्रुप द्वारा प्रकाशित भारत की मिट्टी और चट्टानों की भू-तकनीकी विशेषताएं नामक पुस्तक के 21वें अध्याय में अपना योगदान दिया है। आइआइटी इंदौर के सिविल इंजीनियरिंग विभाग के डा. ललित बोराना, प्रो. मनीष कुमार गोयल, डा. विकास पूनिया अध्याय का नाम मध्य प्रदेश है। इसे इंजीनियर्स इंडिया लिमिटेड के शोधकर्ता संजय भौमिक और वीके पंवार के सहयोग से लिखा गया है। किताब को एडिथ कोवान विश्वविद्यालय के स्कूल आफ इंजीनियरिंग के संजय कुमार शुक्ला ने संपादित किया था। अध्याय में मध्य प्रदेश में उपलब्ध भू- सामग्री जिसमें मिट्टी और चट्टानों के विभिन्न भू- तकनीकी विवरणों के बारे में बात की गई है।