

August 15, 2023

Subject: A Case Study of One of the World's Tallest Reinforced Soil Structures at 74 m Height: Pakyong Airport, Sikkim, India

Dear Ma'am / Sir,

Maccaferri Philippines cordially invites you to our upcoming webinar titled "**A Case Study of One of the World's Tallest Reinforced Soil Structures at 74m Height: Pakyong Airport, Sikkim, India,**" scheduled for August 23, 2023, at 3:00 pm. To register you may scan the QR code below.

This webinar will delve into the advantages of using Mechanically Stabilized Earth (MSE) walls and Reinforced Soil Slope (RSS) systems in civil engineering. These systems offer economic benefits, ease of construction, and rapid progress while minimizing disruptions to traffic and services. Notably, only a few MSE structures have been constructed to heights exceeding 30 meters.

The 74m-high reinforced soil structure at Pakyong Airport, Sikkim (India), stands as one of the world's largest geosynthetic megastructure projects. Despite challenging conditions such as the Himalayan mountain terrain, heavy rainfall, weathered ground, seismicity, and land constraints, this nine-year project prevailed. The reinforced soil structure played a crucial role as a retention embankment for the runway, making it one of the world's tallest reinforced soil structures.

Our esteemed Regional Technical Manager for ISEAP (India, South East Asia, and the Pacific), **Dr. Ratnakar Mahajan**, will deliver the technical presentation. Dr. Mahajan holds a Ph.D. from the Indian Institute of Technology in Bombay. With over 16 years of experience at Maccaferri, he has been a driving force in large civil engineering projects, providing geotechnical design support. His expertise spans a wide range of geosynthetic applications in geotechnical engineering, including foundation improvement, slopes, walls, and retention systems for highways, railways, ports, reclamation, oil and gas, and major civil infrastructure projects.

Maccaferri is renowned as the world leader in gabion retaining structures. It has diversified significantly over the past 20 years and now offers engineered solutions including reinforced soil structures, coastal protection, natural hazard mitigation, and river works. Maccaferri's vision is to become a leading international provider of advanced solutions to the construction and geotechnical markets.

We eagerly await your confirmation.

Yours sincerely,

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