MACCAFERRI

CASE HISTORY

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SLOPE REINSTATEMENT AT JENGKA FELDA ROAD, PAHANG, MALAYSIA

JENGKA FELDA ROAD, PAHANG, MALAYSIA

Reinforced Soil Walls and Slope Reinforcement

Problem

During the raining seasons, the heavy downpours have caused a number of slope failures in Malaysia; one of the particular incidents is at KM5 of Jengka Felda Road, Pahang.
The slope failure was identified to occur due to a series of prolonged and intense rainfall. The rainwater subsequently reduced the shear strength of the slope and caused it to collapse. Generally, this type of rainfall-induced slope failure is not uncommon in tropical regions.

Solution

In reinstating the slope, an initial design was drawn by IKRAM, a government in-house consultant using Maccaferri's Terramesh Wall System; taking advantage of the ease and speed of construction and the cost effectiveness in employing this system. Subsequently, Maccaferri had a discussion with IKRAM on the initial design and a revised proposal was submitted to the Jabatan Kerja Raya (JKR) Pahang. The proposal was approved and adopted.
The construction commenced in January 1997 and completed in May 1997. The 100m long and 15m high Terramesh wall was built successfully beside a river in only 4 months - a relatively fast construction project considering the difficult site conditions.

Client: Public Works Department Pahang
Designer / Consultant: IKRAM
Contractor: SAJ SDN BHD
Products used (Qty.)
- Terramesh 1200 M2

Date of construction: 01/1997 - 05/1997

During Construction

During Construction

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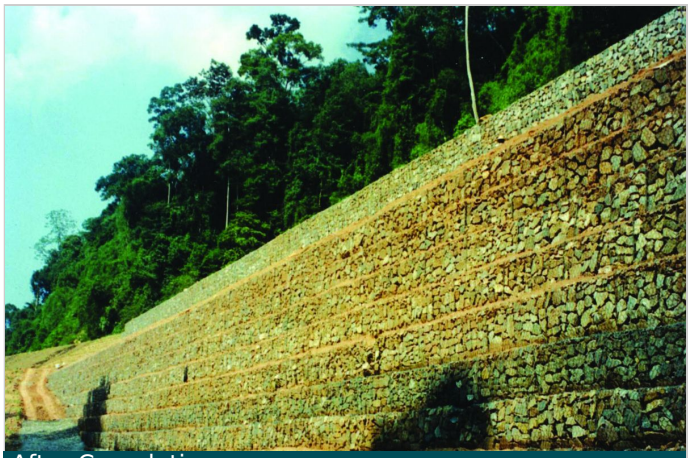
During Construction

After Completion



After Completion

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