

GABIONS RETAINING WALL FOR LANDSLIDING PROTECTION THALANG DISTRICT, PHUKET, THAILAND

Mass Gravity Retaining Walls

Problem

The landslide occurred on a slope and the client was looking for an environmental friendly and green solution.

Solution

A 2 m height reinforced embankment structure with Zinc Gabions was chosen as able to reconstructed the landslide location. Gabions with its permeable facing and with the using of Mactex as filter are capable to provide solutions for drainage problems which commonly occur and to prevent the accumulation of saturation without losing soil grain. Characteristic of a flexible structure is capable of delivering more tolerance for differential settlement comparing with rigid structure. The availability of materials, easy installation and the possibility of using local manpower increase the effectiveness and productivity of the construction work.

Client: Layan Garden Resort

Designer / Consultant: NA

Contractor: Mr.Preeda hwaeda-ao

Products used (Qty.)

- Gabion 100 m3

Date of construction: 05/2007 - 05/2007



Landslide



Before installation