

LANDSLIDE REPAIRS PROJECT AT TEPM MYANMAR

EROSION CONTROL/ SLOPE PROTECTION

Product: Steel Grid Bo & Macmat R

Problem

Gas from Yadana field in Myanmar is piped from the field to Ratchaburi and Wang Noi power plants in the Bangkok via Bai I Tong metering Station at hill side of Myanmar - Thailand border. The station which measure the amount of gas delivered to Thailand is placed very close to deep ravine which was experiencing severe surface erosion which could destabilize the entire slope. Maccaferri's technical team was consulted to propose a solution considering the following constrains:

Limited project duration (to be completed in 5 months before the start of monsoon season) with limited working hours, minimum workers allowed due to limited accommodation, very strict safety regulation, limited working space, access is only available from the crest of the slope.

Solution

In addition to the overall safety of the slope, priority was also given to the surface soil erosion and the hazard posed by the rock boulders. It is almost certain that the rock boulders will become loose from their foundations in the slope/hill and fell downwards due to the heavy erosion of the soil, rather than the classic fissure in rock face. With these factors in mind, Maccaferri Rockfall Protection Systems (MAC.RO) Steel Grid BO, together with double twisted wire mesh and MacMat are proposed as a complete solution.

- **Steel Grid BO** functions as the main rockfall protection, containing the rock boulders, being held in place
- **Double Twisted Wire Mesh** provides additional reinforcement to the rockfall system and to prevent smaller rocks, stones or debris from falling down the slope.
- **MacMat** is an erosion control material, a layer of matting attached together with the rockfall protection system to hold topsoil and seeds thus enhancing the growth of vegetation on the slope.

The slope was stabilized using soil nail system.

Client name:

TOTAL EXPLORATION & PRODUCTION MYANMAR

Main contractor name:

TEROKA JAYA SDN BHD

Consultant:

CIVIL SOLUTION CONSULTANT LTD

Product used:

4,500M² OF STEEL GRID BO & MACMAT R

Construction info

Construction date: DEC 2007 - MAY 2008

Construction duration: 5 MONTHS



Before construction

Date: Dec 2007



Before construction

Date: Dec 2007

MACCAFERRI



During Construction



Date: May 2008



Maccaferri Asia

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