

TEXAS INSTRUMENTS (PHASE V) SLOPE PROTECTION

PEZA Compound, Loakan Road, Baguio City, Philippines

ENVIRONMENTAL / GEOTECHNICAL / MECHANICALLY-STABILIZED EARTH
RETAINING WALL / SLOPE PROTECTION / SOIL REINFORCEMENT

Products: Maccaferri System Terramesh, Galvanized Gabions, MacTex Non-woven Geotextile

Problem

The construction at Texas Instruments' Phase V Building Expansion Project has been faced with major slope protection problem. At the crane way area, the main slope reinforcement used was soil nailing. The enormous height of the slope, loose type of soils and inadequate facing system caused portions of the slope to collapse especially during rainy season. To minimize the effects of rainfall, sand bags and blue polyethylene sheets were temporarily used in covering the slope.

Solution

Considering the weather at the site and the tight schedule of project completion, the General Contractor (CCT Constructors Corp.) and the Project Consultant (TCGI Engineers), agreed that the Maccaferri's proposed **Gabions** and **System Terramesh** were the best solutions for the project. These systems were used as secondary slope reinforcement scheme at the collapsed portions of the crane way area. MPI assisted the Contactor on the accreditation process of a reputable subcontractor who did the installation works. A well-experienced project engineer was assigned at the site for work supervision during the installation. The construction has been successfully done within two months, just in time for the turnover of the facility to the Owner.

Project Owner

Texas Instruments' Philippines, Inc.

General Contractor

CCT Constructors Corporation

Consultant

TCGI Engineers

Maccaferri Products

269 cu.m. Heavily Zinc-coated Gabions
998 cu.m. System Terramesh with panels
10,400 sq.m. MacTex Non-woven Geotextile

Construction Info

Start of Construction : November 2007

Completion Date : December 2007



Before Construction

June 2007



During Construction

July 2007



Project Completed

December 2007



Project Completed

December 2007

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