

**MAE KLONG RIVER BANK PROTECTION  
THA MAK, KANCHANABURI PROVINCE, THAILAND**

Slope Protection

**Problem**

The Harbour Department of Thailand was faced with a severe erosion on the banks of the Mae Klong ( Tamaka ) river in the year 2001.

The Harbour Department wanted a solution that was :

- Economical • Easy to construct • Could provide a design life of up to 40 years

**Solution**

The solution designed by the Harbour Department with technical assistance from Maccaferri Asia included :

- Strengthening of the existing river bank by using select granular fill • Provision of Reno mattress ( partly Galfan and partly PVC coated ) 30 cm thick to protect the bank against scour.

**Client:** HARBOUR DEPARTMENT OF THAILAND

**Designer / Consultant:** HARBOUR DEPARTMENT OF THAILAND

**Contractor:** CHANLONG

**Products used (Qty.)**

- Reno Mattress 6,500 m2

**Date of construction:** 02/2002 - 10/2002



During Reno Mattress installation (1)



During Reno Mattress installation (2)



Complete installation