

# Investigation of 2004 Sumatra Earthquake (M:9.0; Dec.26, 2004) in Meulaboh, Aceh

# Tsuneo Ohsumi[1]; Tetsunari Gejo Gejo [2]

[1] Nippon Koei Co., Ltd. R&D ; [2] Nippon Koei. Co., Ltd Overseas

The large Tsunami from the 9.0 magnitude earthquake that struck off the west coast of northern Sumatra early on Sunday caused 300,000 casualties. We carried out damage investigation in the west cost region of Aceh state, which in near the hypocenter, on Sumatra Island. We conducted our investigation from January 18-22, 2005, and route with a local NGO that was aiding damaged areas with support goods. Meulaboh, Aceh, which is located 200 km southeast of Banda, Aceh, is the nearest city from the epicenter. It is said that said that this region has the highest percentage of collapsed houses due to the Tsunami. The road to Meulaboh had been located in the gulf coast from Suak Timash Village. After earthquake, the land changed and banished. Therefore, Plantation Road is used to Meulaboh. This road can not pass to Calang from the village. Clean up program for removal of wreckage is most important basis and urgent need for rehabilitation and reconstruction of infrastructures. The above program should be considered for not only urban area but also farm fields, since tsunami brought many wreckage and waste into farm fields.