

Volunteer Report Rain Tree Foundation



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Project: Implementation for showering rooms and clean water

This project we start in the south, Ranong province. There we knew a see gipsy village on the island Koh Pajam. We have installed there two BioSand Filters about one year ago. These people do not use these two BioSand Filters because the water source they don't like. I went there for a survey and slept there too. When the villager went for shower, they need to get out water of an open and unprotected well also the children just pee right in front of the water well while taking shower. As I have seen this I can now realize why they don't like to pour this water into a BioSand Filter for drinking water.

When I went back to the Raintree Foundation Headquarter I start to talk to our members and we decided to build two closed shower rooms, also we will protect the water well and close it. For the water supply we will use now a solar water pump. The BioSand Filter is still in our mind and the solution will be we pump the water to a higher water tank system. This System includes two water tanks one will be filled with sand and stone like a rapid sand filter. The second tank will be a water storage tank.

Before we can start this water supply project I had to design the dimensions for the two shower room, the well protection, the rapid sand filter and the kind of water pump.

The next step was to find some local worker to do all the construction work and we need to order all the materials from Ranong and ship it to the island. As we can't travel to the island because rough see and I need to prepare all the drawings I went to Doi Inthanon area to install a water ram pump. This ram pump runs without gasoline and electric. There we lift up the water to a high of 170 meter and the delivery length about 1500 meters. We support 14 liters a minute with this water pump for about 45 children in an orphanage.



