



Community for Human Development (Lusaka, Zambia) & EWB-UK

Project Proposal: Affordable Sanitation Solutions

Full description of Problem:

The project focuses on two areas: provision of safe drinking water and adequate sanitation technologies. The student can choose to work on one or both.

Water: Many of the villages have bore holes (water points drilled – water extracted using hand pumps). In the villages which do not have bore holes; people are forced to drink from unprotected (shallow) wells. What is required is a simple and affordable method of purifying the water at a household or village level.

Sanitation: Currently, the most widely used method of sanitation is that of pit latrines. Unfortunately, these are not properly constructed (e.g. lack or wrong shape), which means they rarely last longer than two years) Some Ventilated Improved Pit (VIP) latrines are used but these are very expensive to construct. Research is required into more appropriate, affordable sanitation solutions wither by improving the current pit design or investigating alternative solutions. There will also be a need for education and sensitisation of the community.

This research project will initially focus on the Mumbwa district but will eventually spread to the other four districts in which CHD operates.

How the local community will use the proposed solution:

CHD will collaborate with other NGOs in the region to disseminate and implement the technology

Estimate of the economic benefit anticipated and plans for training of the local community:

This project could potentially have far reaching and obvious benefits, so long as the project objectives include capacity building within the community for installation and implementation of technology.

Full description of the local situation:

The majority of the community relies on agricultural activities such as rearing animals e.g. cattle, goats, pigs. Others grow crops such as maize, cotton, sunflower, ground nuts and soya beans. Some are able to grow enough for sale whereas others can only grow enough to eat. At the district level they have a District Commissioner who is the Head of the Government as well as the Council Secretary who is in charge of Administration under the Local Government. The District Development Coordinating Committee (DDCC) coordinates all developmental activities in the District. The Council has the final say in these developmental activities.

Useful background reading or resources:

- A [VIP](#) project by Thomas Russel
- <http://www.wateraid.org/>
- <http://practicalaction.org/practicalanswers/>

Organisation Contact Details:

Name of Organisation	Community for Human Development
Contact	Joshua Cholobesa- Phone details can be given on request
Web site	http://chdactivity.org/programmes.html
Background information	CHD is no profit NGO operating in 5 districts of Zambia, namely Lusaka, Choma, Kabwe, Chipata, Mumbwa. It deals with matters related to education - running community schools; primary health care- helping with chronically ill patients; Women entrepreneurship programmes; microfinance programmes; Training - Tailoring course; Agro and Rural Development Programmes; and HIV Prevention Methods.