



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

Project Proposal: Appropriate and Sustainable Energy Solutions

Full description of Problem:

In the Mumbwa District, only around 30% of the people are connected to the National Grid. The vast majority, therefore, must find alternative energy sources for their cooking, lighting and heating needs. Some have experimented with solar power but it is far too expensive for the majority. Currently, the remaining people depend on fire wood for their cooking and heating needs. This has two negative effects: deforestation and indoor pollution. In some cases Kerosene is used for lighting purposes. The challenge is to find the most appropriate energy solution for cooking, lighting and heating- suitable to the poor. The student may wish to tackle one or all of these needs. Suggested technologies include the use of biogas digesters, more affordable solar or wind powered technologies.

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 [cooking stove project](#) by Nigel Vaz
- <http://www.v3power.org/pmwiki/pmwiki.php>
- <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.