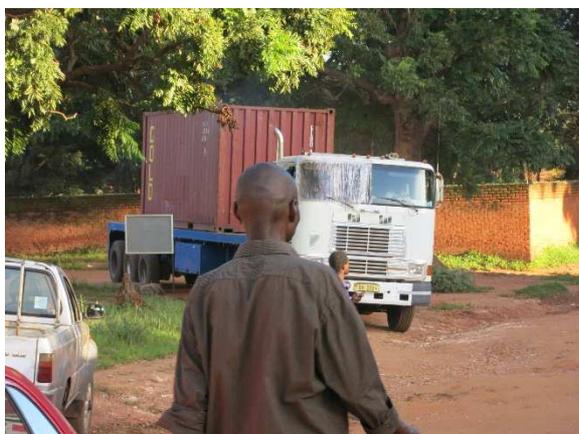


Clean cooking project

Progress report August 2014

1. Household stoves

As already reported, the first container has been distributed during the months May-October 2013. With great enthusiasm the women started to cook their daily meals using the new “mbaula” (see distribution report). The only complaint was that we could not deliver stoves to every family. And therefore, although not all necessary funds had been gathered, a new container with 1200 stoves was ordered at the end of 2013. With a delay, due to logistic reasons, this second container arrived in Malawi at the end of February 2014.



The present cost price (including taxes and transport) turned out to be about 40 USD per stove. Obviously the women can't afford this price. The agreed selling price of the stoves has been set at MKW 3500 (9 USD). So far the gap between the cost price and the yield has been funded by private persons in The Netherlands and individual members of the foundation while Cordaid has assisted with a donation being about 45% of the total costs. The financial assistance of all these “small” donors is essential! From different angles we are working towards lowering of the cost price: carbon subsidy, lower production costs and tax exemption. As a result a higher number of stoves can be made available in 2015.

As in all African countries, also in Malawi cheaper “improved” clay stoves are available. However, based upon efficiency and durability we have chosen for imported, manufactured stoves rather than these clay stoves. These Envirofit stoves have been tested by an independent laboratory under standardized conditions and with respect to the emission of CO and PM (fine particles) these imported stoves fully meet the well-defined WHO norms for indoor air pollution.

As it was like the previous time, the “Village Savings and Loan” system will be crucial to have this amount of money available. Unfortunately, the distribution had to be postponed for about 2 months. The simple reason was that the women did not have the opportunity to save even that small amount of money. Meanwhile they have earned some money by selling their cash crops (among others tobacco) obtained during the recent harvest. Finally since May/June the distribution could be started in 3 different dioceses (Lilongwe, Blantyre and Dedza).

Earlier this year our partners have started a PR campaign in the urban region, where people can afford higher prices; the results of these efforts will be known later this year.

2. Improved cooking device for schools, prisons and other institutes.

Less wood (80 %); less harmful gasses (90 %) and a shorter cooking time (50%)

Recently I became aware about the problem of cooking in e.g. schools. The cost of firewood is rising every day and the amount of wood available is dwindling. Hence most institutions are spending a lot on transportation of the available firewood which is sourced from far.

Envirofit, the American company specialized in the production of clean high efficient cook stoves, has recently added an institutional stove to its product portfolio. Since the introduction in Kenya a couple of months ago the users have been extremely satisfied about the performance of the stove.



Saves Money – 80% Less Wood
Maximized heat transfer, cooks food more quickly & efficiently using less wood



Healthy & Clean – 90% Less smoke & soot
Combustion chamber engineered to reduce harmful smoke and gases



Convenient – 50% Less cooking time
Quick to light, easy to clean and boils 7.5 liters of water in 48 minutes

100L Institutional Stove Cookstove

At this moment 7 schools and one prison have signed up for a demonstration and in the coming 2 months a pilot in one prison (Zomba) and in 2 schools (Mchinji and Likuni) will be carried out. Unfortunately at this moment no funds were available to acquire more than 3 stoves.

After 2 months in use in a particular institute we will offer the following options:

- Transfer to another institute or
- Buying the stove with a attractive discount.

As soon as we have identified a sufficient amount of institutes who can afford a major part of the cost price we can order a full size container. The cost price for a 20ft container (42 items) will be about 1100 USD per stove. This price is including import tax (coming from China),

Schools who offer meals to students have a 28% higher enrollment – yet providing lunch can also place a large financial burden with most spending 20-50% of their annual budget on fuel. The institutional stove has been designed with a high performing combustion chamber that burns wood more efficiently – decreasing harmful emissions and fuel consumption by up to 90%. The stove uses state-of-the-art technology and design to create a product that schools can afford around 1/3 the approximate annual fuel bill of a school with 300 students.

Due to this positive feedback we ordered 3 stoves for demonstration purposes in Malawi.



VAT and transport. In case there will be tax exemption next year the cost price will be about 750 USD and with Carbon subsidy the final cost price will be even considerably lower.

With the help of all contributors we hope to continue to save "TimeMoneyLives" for the people in Malawi.

Giel de Pooter
August 2014

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