



8 Driftway, HOOK, Hampshire RG27 9SB  
t: 01256 766263 e: info@gladshouse.com  
www.GladsHouse.com Registered Charity No 1115744

## **Funding Outline for 'The Community Cooker'**

### ***Glad's House***

Glad's House' is a young charity (Registered in the UK) who aims to help these street children return to a 'normal' way of life. We are 'partnering' with the Mombasa Olympic Youth Organisation (MOYO) - which has been set up by a former Kenyan Olympic athlete, Fred (Bokey) Achola to give these young people that help. He is using sport to reach this vulnerable group, to give them information, motivation and support to help them steer clear of drugs crime and avoid HIV infection. Our operations are based in Magongo,

**Charitable objects** - To relieve poverty and suffering by any charitable means in Kenya.

**Our Aims** – To assist 'street children' and 'wayward' young people in Mombasa to reintegrate back into their local community and become self-supporting.

### **Our Plan**

#### **Phase One**

- a) Provide sports equipment from the UK to the Mombasa Olympic Youth Organisation's sports programmes.
- b) Encourage suitably qualified coaches (from the UK and Europe) to volunteer to visit Kenya and run coaching programmes.

#### **Phase Two**

- a) Establish a 'sponsored school place and fostering' programme for educating the street children during their 'reintegration'.
- b) For some street children establish 'apprenticeship' schemes for them to learn a trade eg maintaining bikes, carpentry, and dressmaking.
- c) Assist 'street children' to find gainful employment by helping them to set up and run small businesses

#### **Phase Three**

- a) Purchase (or build) a refuge suitable to accommodate 50 – 60 street children.
- b) Fit-out refuge with all necessary equipment required.
- c) Hire local staff to run the refuge.

**Note:** These phases are not necessarily sequential.



### ***Magongo***

Magongo Mwisho is an outlying township some 10km northwest of Mombasa Island located in Bomu area of Changamwe Division of the Coast Province of Kenya. (Just outside of Moi International Airport). This fringe community lacks any effective electricity, water or sewer systems, through a general lack of infrastructure. Poverty, lack of sanitation, and unemployment continue to be the greatest issues for the township, which have ensured low health and safety standards for its residents. Poor, lower class housing

is widespread, ranging from simple stone, single storey structures to mud and earth homes fitted with corrugated iron roofs. To make the Glad's House reintegration programmes work, we need the full support of the local community.

**The Community Cooker**

Invented by Nairobi architect Jim Archer, the cooker combines simplicity with the capacity to confront several environmental challenges simultaneously - a cooker that uses the trash as fuel to feed the poor, provide hot water and destroy toxic waste, as well as curbing the destruction of woodlands.

These very simple cost effective units are built and operated by local communities for their own benefit, and to their own advantage. Based on the principles that nobody will do anything worthwhile for nothing, and that money is so often badly managed. The Community Cooker operates on a zero cash system.



*The prototype Community Cooker is now operational at Laini Saba in Kibera.*

The operational basics are as follows: -  
Most refuse can be converted into heat.

If lower income people see a pile of rubbish as a cash free way to cooking a meal and/or heating water they will be motivated to collect that rubbish and carrying it to their local Community Cooker. At the Community Cooker they swap their bag or sack of rubbish for a plastic token. This token they then take to the other end of the Community Cooker where that token provides them with "X" amount of cooking or water heating time at zero cash cost, only the effort required to collect and cart the rubbish. (People are, already, beginning to look on piles of rubbish as a valued commodity!).

At the refuse collection end of the Community Cooker the refuse is manually sorted, and recyclable materials are put into bins for collection. The rest is manually stacked, with spades and forks, onto a series of drying racks. This process is deliberately labour intensive in order to create work. Dry and/or semi dry refuse is then shoveled into a refuse chute, where it slides down towards the fire box. Here it is combined in a very simple process where discarded sump oil (another polluting waste product) is combined with vaporized water in minute (droplet) amounts to raise the heat within the fire box to a point where all incoming refuse burns very efficiently, (so efficiently that the steel fire boxes have had to be lined with kiln quality fire bricks to prevent the steel from melting!)

See appendix 1 & 2 for detailed drawings.

**The end products are: -**

- Zero cash cooking frying, boiling, baking, roasting.
- Water heated cash free.
- Water boiled cash free.
- Motivated local Community Cooker operators will operate this Cooker free of charge for the local community between the hours of (say) 6.00a.m. to midnight and operate from midnight to 6.00a.m, when they will bake bread and cakes and pies and heat water for sale, for financial benefit.

**Everyone wins!**



"Children with no home belong to us all"

### ***The Community Cooker continued***

#### **Benefits**

People will come to look on rubbish as a heat-generating product, and therefore, collect it.

Reductions of rubbish in high-density areas such as Magongo will create: -

1. Improved ground water quality.
2. Improved health from:
  - Reduced rubbish heaps
  - Washing in hot water
  - Drinking boiled water
  - Cooking food
3. Improved environment both physically and visually
4. Work at the community cooker is labour intensive and therefore creates work.
5. The community cooker is easy to maintain and repair.
6. The community cooker is inexpensive to run (almost labour only costs) as it runs off refuse and discarded sump oil only.

#### ***The Project***

To build a Community Cooker in Magongo Mwisho for the benefit of the local community operated and manned by reintegrated 'street children' from Glad's House.

- To further enhance this project we intend to build toilet and shower facilities on the site.
- The methane gas generated from the biotoilets will provide the fuel for a generator, to power lighting, thus allowing 24 hour day working.
- We will have a bakery - baking bread overnight.
- Possibly clothes washing as well. (Plenty of hot water).
- The site will also harvest rainwater.

#### ***Funding Requirements***

Initially we need to find a suitable plot of land. Then to build the 'Community Cooker', including toilet and shower facilities plus digging the borehole will cost approximately £15,000. Approximately Ksh 2,200,000

