

## **ABOUT OUR ORGANISATION**

Environclean Community Group (Environclean), was formed in August 2007 as a not-for-profit social enterprise registered under the Charity Commission UK (no.1120470). We specialize in sustainable waste management.

The group supports people from diverse backgrounds protect and preserve the environment in which they live in, by:

- The promotion and education of waste reduction, re-use, reclamation, and recycling
- Providing hands-on training, on-the-ground demonstration, outreach and technical assistance through development of innovative green/renewable technologies
- Prevention of litter techniques

That help people reduce poverty and injustice, strengthen capacity for self-help and provide and nurture economic opportunities in waste.

## **PROJECT DESCRIPTION**

The bio-center will help solve the core problem that results in deplorable waste disposal in the slums. The structure, a two-storey bio-center with a sanitation block on the ground floor, designed to convert human waste into bio-gas and liquid fertiliser, offices and meeting hall on the floors above. The facility will provide opportunities for improved water and sanitation access, use of biogas, fertiliser and community hall. The latrines and shower facilities will be designed to serve up to 1000 people daily. The project will be women-led and managed to encourage equal opportunities in the slums.

Environclean has previously built a bio-center in Lunga Lunga slums with the help of donations from UK and we are witnessing its positive effects to the beneficiary community presently.

## **PROJECT AIMS & OUTCOMES**

### **Aim:**

To create an innovative self-sustaining project that not only will provide economic empowerment for communities that live in slums but will be a resource and an environmental biotechnology.

### **Outputs and targets:**

- To create a water supply outlet for the community by 08/2010
- To provide toilet and bathroom facilities which will be run daily from by 08/10
- To ensure gas generation for lighting and cooking (cafeteria/bakery) by 01/ 2011
- To operate a community facilities for hire: community hall, offices and restaurant space with cooking gas installed by 08/ 2010
- To produce fertilizer production for sale by 06/2011
- To ensure members are paid dividends and income is generated to raise living standards every week from 01/2011
- To enable children (5-10 years) can access the toilets free of charge by 08/2010
- To create employment opportunities from 12/2010
- To increase community awareness on hygiene especially regarding water collection, hand-washing and waste disposal by 08/2010
- To achieve over 1000 people using the center daily by 01/2011

**Outcomes:**

- Increase levels of happiness and hope of change in the community
- 5 new jobs will be created - 1 facility supervisors, 2 toilet cleaners, 1 technician, 1 bio-hygiene promoter
- Creation of income generating ventures- eateries, hair salons, welding, mobile charging centers, arts & crafts.
- Highly reduced 'flying toilets' phenomenon in the community
- Acquiring of vocational skills e.g. masonry, painting, plumbing, construction skills

**THE NEED FOR THE PROJECT**

It is acknowledged that about 2.4 billion people or 40% of the world's population, in developing countries still lack adequate excreta disposal systems, despite the professed commitment of governments and NGOs in tackling the problem. According to UN estimates in 2001, 924M people or 31.6% of world's urban population live in slums. In Nairobi, 5-7 million of the urban population live in slums. These slums arise due to the 'urbanisation of poverty' which has resulted in the large-scale erection of primitive forms of shelter, either on public land or private land owned by absentee landlords. Water, sanitation and other utilities are absent, making overcrowding even harder to bear.

In Jan 2009, Environclean completed a 2-storey bio-center in Lunga Lunga slums. We realised to solve the problems of waste management in slums, we had to 1<sup>st</sup> address issues of sanitation, which is a root cause of the deplorable environment. People who live from hand-to-mouth all their life and are trying to survive each day, don't think about sustainability issues. What they want are working toilets that don't overflow during the rainy seasons, clean, free of charge and maybe also secure to use during night time.

The Lunga Lunga center is today a decentralised project that is proving to be very beneficial for poor communities on a pilot scale. It is improving the lives of the poor majority living in this particular slum. The beneficiary group made up of 23 youth collects revenue, rents out space and collects methane gas for use in a local eatery. Many spin off projects are emerging from this center and that is why we are eager to build a second one. Recent consultation with another slum communities have led us to identify our next beneficiary group made up of 50 women.

**PROJECT MANAGEMENT**

The projects team at Environclean comprises of a qualified *project manager*- Caroline Kariuki, whose experience and background revolves around environmental management and conservation. She has a Masters in Environmental Resources Management. Was an ecologist for several consultancies in UK for more than 4 years. She belongs to UK chartered Institutes in Waste management (CIWM), environmental Auditing (IEMA) and Ecology (IEEM). Frequent volunteer in Wildlife conservation and has good knowledge of waste management. She is involved deeply in community projects that work towards sustainability.

The *Project evaluator*- Joan Wangui is a qualified Manager. She is mainly on the ground, attending community meetings, building local capacity and working hand in hand with locals to exploring new ideas for these communities.

The project will be managed by a project steering group which will report to a management committee on a monthly basis. The steering group consists of the above two members plus two members from beneficiary group. The steering group also includes 1 representative from a local partner that specialises in bio-latrines construction in Kenya.

