



ZONNIG COMMUNITIES FOUNDATION LIMITED

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RUNNING PROJECT

Project title: A SOLAR FOR EVERY HOME (SFEH)

Preamble/ Background

Climate change is the most resent problem that the 21st century is facing, this is being contributed by many factors chief of which being too much emission of carbon dioxide that increases the greenhouse gasses. The carbon footprint increases every day and therefore a need for every individual to play a role in fighting climate change.

In developing countries like Uganda, carbon footprint is being contributed by individual habits/ methods that homes use to achieve lighting for homes that do not have HEP and cannot afford solar home lighting systems. ZONNIG COMMUNITIES FOUNDATION LIMITED therefor in a way of reducing carbon foot print from rural homes has rolled a program called **SOLAR FOR EVERY HOME (SFEH)** in which it will enlighten people about climate change and their individual responsibilities, donate small solar home lighting systems to some communities and make access of bigger solar systems to rural communities on credit with very flexible payment methods.

PROGRAM PHASES

Phase 1: Training personnel/ recruiting trained personnel

This will involve mainly two activities;

1. Training the board members about solar energy
2. Recruiting trained personnel who can sensitize and enlighten people about solar, handling and maintenance of solar system

Phase 2: Reaching out to the target beneficiaries

This will involve the following activities;

1. Deploying personnel to reach the communities
2. Determining the homes that needs solar energy
3. Determining the standard mechanism of supplying solar to the predetermined homes
4. Training the selected beneficiaries on the handling and maintenance of solar home lighting systems
5. Availing solar home lighting system to the predetermined home beneficiaries

Solar systems will be provided through:

1. Direct donations from the ZONNIG Foundation
2. On credit payable with flexible methods
3. Grants: this involves big solar systems. Targeting schools, hospitals, irrigation and farmers.

The foundation will in the first three ,3, years implement giving solar home lighting systems to target beneficiaries through option 1 and 2.

Due to limited funding, the program will first be rolled in selected districts of Uganda.

The selection of the districts will be determined by the program technical crats and other local factors.

Project main objective.

The main objective of the project is to uplift lives through sustainable reliable clean energy for home lighting systems.

Expected short term outcomes:

For example, in a community with 70,000 homesteads. A target of 30% of the total households will be considered which represents 21,000 homesteads in the first three years.

For the next three years, another 30% of the remaining 49,000 house steads which represent 14,000 households.

Cumulatively therefore in 6 years of the project cycle, a total of 21000+14000 which equals 35,000 homesteads out of 70,000 homesteads would have been illuminated with home lighting systems. Therefore, the project will achieve a target of illuminating 50% of the selected area in a cycle of consecutive 6 years.

Therefore, the project will achieve its full impact target after six years of operation for any specific community chosen.

Project rationale/need for the project.

Carbon dioxide, methane is the most two pollutants and major contributors to the ozone layer. (Greenhouse gases) according to the Kyoto protocol of the 1997.

Climate change is the most recent challenge of this 21st century and every nation, every individual is argued to do what can be done help in reducing the greenhouse gases “common but differentiated responsibilities” principle of the Kyoto protocol.

Uganda has a more potential for renewable energy more especially solar because it lies below the Sahara and prolonged dry seasons. Yet most homesteads in Uganda still rely on hydroelectricity and few are connected on the grid in rural areas of Uganda.

Research conducted by ZONNIG foundation whose details can be accessed on the website <https://zonnigfoundation.org> reveals that for every 10 homesteads in rural areas of Uganda only 1 have HEP and only two have solar lighting systems.

Therefore, in every 100 homes only 10% have HEP and these are along the major communication line and 20% have home solar lighting systems. Representing only 30% of homesteads with lighting systems.

The bigger 70% of the homesteads have no reliable light source more especially at night. therefore, the project is targeting to at least have 50% of the remaining 70% have reliable and clean energy through availing and making access to solar home lighting systems so simple.

And according to UN energy protection plan, countries are being argued to adopt to renewable energy sources like solar and wind. UN has a projection that by 2050, renewable energy should dominate global electricity production, potentially accounting to over 90% of the total leading to a net zero energy system and addressing climate change.

SFEH project is therefore in line with UN SDG 7, 11, and 13, with Ugandan Vision of achieving vision 2040 and to solve home lighting problems in Ugandan rural home steads.

Benefits/Impacts.

The impact of the project will be in all short term, medium term and long term and social.

Socially, 50% of the homesteads in rural areas that are not having reliable home lighting sources will be illuminated and improve the livelihoods of many.

In the short term,

Model ZONNIG COMMUNITIES will be more awakened about the challenge of climate change and

energy conservation as switching to renewable energy can greatly save the challenge of climate change.

Model communities will have their livelihoods improved with solar home lighting systems.

In the medium term,

The project will contribute towards the global call for action against climate change by having communities who are championing the cause.

Solar systems will be appreciated and bigger solar systems will be purchased and this will in turn save the problem of deforestation.

And in the long term, there will be individualized actions towards reducing the carbon print indirectly produced in homes, burning charcoal, and cutting trees.

METHODOLOGY

Selection of districts and communities to benefit from the program will be done by the board of directors and management of SFEH project.

Factors to consider will stem from the report/ research ZONNIG Foundation did, solar potential and the socio-

economic situations of homesteads in that particular communities.

Signing of MOUs with the responsible persons and making administrative partners for the smooth running of the project and according to the administrative landscape of such particular areas.

Having a fully operationalized office in each particular target area, to ease, coordination, monitoring and evaluation of the project activities.

Deployment of trained staff to deeper rural areas to ascertain the homesteads who most need solar home lighting systems and on which conditions the foundation can provide them.

Operationalizing of the movement of the staff in every target area using the fleet of the foundation. And giving quarterly reports to both local authorities and top management of ZONNIG

Activities will among others include:

1. Conferences
2. Trainings
3. Workshops
4. Meetings