



Baseline Survey Exercise

Date conducted: 29th September to 1st December, 2019

Location: Nkoilale, Maasai Mara

Scope of work: 3Es Experience intends to conduct its activities within trading centers that are along major routes to Maasai Mara National Game Reserve. The organization activities are guided by the following three (3) pillars. They include;

- i. Energy
- ii. Environment
- iii. Empowerment

The organizations intend to undertake the following activities;

- i. Offer solar solutions for homes, business premises, schools, churches among others that lack electricity connections and are within 1km and 1.5 km away from major centers.
- ii. Offer clean cooking solutions to households that use 3 stone fire and kerosene fuel.
- iii. Advocate for environmental conservation within centers, schools and households.
- iv. Undertake school mentorship program

The organization plans to start on a pilot center in Nkoilale which is along the Maasai Mara National Game Reserve routes. Upon the success of the pilot center, other centers/areas within the Maasai Mara region that are of future potential include Ngoswani, Kishonmurwa, Sekenani, Talek, Olalaimutia, Aitong, Olare, Mara Rianta among others.

Objectives of the Baseline Survey Exercise

- i. Determine population size
- ii. Collect data on sources of lighting within the various villages in Nkoilale center.
- iii. Collect data on medium of cooking within the various villages and schools
- iv. Identify fuel used for cooking in schools and within various villages
- v. Identify time it takes to collect firewood
- vi. Health implications from open fire and kerosene stoves
- vii. Gender issues-decision making, income earners etc.
- viii. Identify state of environment in schools based on their tree cover and waste disposal mechanisms.
- ix. Engagement with school head teachers and teachers on 3Es mandate and plans.
- x. Engagement with lodges & camps on 3Es mandate, plans and elaborate more on the economic pillar.

3.0 Findings

3.1 School cooking solution

The schools use firewood for cooking and inefficient cooking mediums





Pictorial evidence of the market





4.0 Empowerment Pillar

4.1 School mentorship

The organization aims to equip students with non-academically taught skills and secondly expose the students to unlimited opportunities available after school. It was therefore important to identify the schools to in Nkoilale area. The identified schools in the area include;

- i. Nkoilale primary School
- ii. Ngoso primary school
- iii. Nabosho primary school
- iv. Iturisho primary school

5.2 Economic empowerment

To ensure that all programs under the pillars are self-sustainable and cross- supporting, the organization would like to economically empower the community and help eradicate poverty within the communities by promoting;

Farming

- Watermelon and pumpkin farming
- Bee keeping
- Poultry farming

5.2.1 Data collection on different hotels within the Maasai Mara region

Data was collected from both medium and large hotels

5.2.2 Type of data collected in the hotels

The data that was collected within the various restaurants, lodges and camps included:

- i. Types of fruits being bought
- ii. Quantities of fruits ordered/consumed daily, weekly, monthly, low and high season
- iii. Source point of the various fruits
- iv. Number of staff working
- v. Willingness of the restaurants, lodges and camp in buying from the community

The watermelons and pumpkins grow very well in the area. Some pumpkins were spotted growing very well in Nkoilale primary school.



Pumpkins

There is plenty of cow dung in the various bomas hence availability of

- i. manure.
- ii. Bio-gas



Cow dung in a boma

Conclusion

Based on the field work exercise, the organization three (3) pillars will do so well in the area in improving the community standards.

ANNEX 1: PICTORIALS



Meeting with the various head teachers & teachers



Field work data collection exercise



Field work data collection exercise



Open fire medium of cooking



Fuel of cooking: firewood



Meeting at Siana Springs Camp



Nkoilale primary school



Ilturisho primary school



Ngoso Primary school



Ngoso Primary school