



EVANGELICAL LUTHERAN CHURCH OF TANZANIA NORTHERN DIOCESE

2016-2026 ENVIRONMENTAL PLANS

1. THE BACKGROUND

Kilimanjaro Environment conservation is a project aiming at creating awareness on the protection of the environment and to support tree planting. It focuses on sensitization of the population on sustainable use of resources, especially forests, soil erosion control, bush fire control and tree planting to bring back forestation on the bare hills on the slopes of mount Kilimanjaro and on unused land to encourage people to use them in order to reduce the pressure on arable land in Kilimanjaro region. Tree planting on slope land is very important, because the top soils have been washed away by water and wind erosion, as a result water supply is scarce and seedlings often wither during the dry season. Therefore, Kilimanjaro is demanding active participation of all beneficiaries such as people (especially men, women and children) and institutions such as schools, church congregations, political groups, hospitals and dispensaries. The Diocese started in April 2010 to participate in environmental conservation by encouraging the congregants to plant trees and organize sensitization workshops on tree planting.

This project aims at reaching out a bigger number of Kilimanjaro population because few people cannot do that big and massive work to realize the desired impact. The duration of this project will be 2016 to 2026. The general objective of this project is to improve the livelihood of people living on the slopes of mount Kilimanjaro.

Specific Objectives

1. To improve health and supply of clean water
2. To create awareness to 1.5 million people living in Kilimanjaro region on environmental and natural resources, including erosion protection measures and the importance of tree planting.

3. To support planting of 3,000,000 the environmental friendly trees from 2016 to 2026 .
4. Reduce deforestation
5. To reduce pressure on crop in arable land and natural forests in 5 districts of ELCT nd.
6. To provide employment and income to 300 individuals

Activities:

- a) Buying and distribution of heifers as well as constriction of bio gas.
- b) Renovation of hospitals and health centers.
- c) Constriction of wells and renovation of existing water system
- d) To recruit and train one project manager and five field workers on environmental topics.
- e) To carry out awareness creation seminars in 5 Diocesan districts on sustainable use of natural resources, environmental friendly tree planting erosion control, maintenance of planting areas and control of bush fires.
- f) To strengthen the role of 164 parish and congregation committees and village committees (local government) through awareness creation to support the project, especially on land-use-planning and control of bush fires including enforcement of existing laws.(the target group is women, children and youth)
- g) To visit each proposed planting area to monitor whether the participatory part has been fulfilled by all applicants.
- h) To organize the proper distribution of tree seedlings during rainy seasons (September-December and March to May) and to monitor and introduce sustainable planting methods.

2. SUSTAINABILITY

Use the existing structure of the church in each parish in the project implantation will leave the people with knowledge to continual doing the same even after the project time. Pastors, evangelists and the proposed project manager know their people well and will be available for advice after the project implementation time. They will monitor the maintenance of planting steps and fire breaks and will cooperate with the local government concerning land-use planning.

The project implementers will encourage a high level of participation from all beneficiaries. Direct involvement, they will contribute in kind, there will be ownership of the project among the beneficiaries what leads to a higher level of sustainability of the project.

Institutions such as schools will participate by each pupil/ member being directly responsible for planting a certain number of trees and teachers will supervise pupils to plant trees around their homes.

There will be a demonstration tree planting plots where people can learn to plant varieties of tree to conserve the environment and erosion control, knowledge will be provided on control of bush fires and the proper maintenance of planting sites. The few existing women nurseries will be used and that will lead to more sustainability.

Monitoring, evaluation, indicators and auditing

Monitoring:

During the implementation period monitoring of the progress will be done monthly through parish committees. Minutes will be filed in each parish and are available any time.

The proposed project manager will report monthly to the ELCT- ND planning, projects and Development head of department, who will communicate with experts and consultants of the project. The Secretary will report to the Diocesan General Secretary ever month and the General Secretary will report to the Diocesan Executive Committee ever after three months whose report will be presented to the General assembly every after two years.

The planning department will summarize all information in English written half year reports and will send them to the donor organization(s).

Evaluation:

An independent environmental agent will organize an internal mid-term evaluation and will send the report (in English) to the donors. Project achievements will be summarized, problems will be discussed and interviews will be held with beneficiaries, project staff, pastors and consultants. All results and suggestions will be documented and necessary changes, adjustments of results, etc. will be introduced to the donors.

Project manager and consultant will organize a project evaluation workshop and will present an evaluation report to the donor organization(s). The workshop will be facilitated by experienced external moderators.

PROJECT IMPLEMENTATION CHECKLIST

Objective: Sensitization

Activities and Indicator: 64 Parish meetings / Number of meetings held

Activities and Indicator: Formation of Parish committees / Number of parish committees in formed

Objective: Staff recruitment

Activities and Indicator: Recruitment of project manager / The Manager in place

Activities and Indicator: 5 supporting District assistants / District assistants in place

Objective: Tree Planting

Activities and Indicator: Nursery establishment / Number of Nurseries created

Activities and Indicator: Seedlings planing / Number of seedlings Planted

Activities and Indicator: Caring of planted trees / Number of visits done in each place

Indicators to measure the process and impact will show:

- Number of staff recruited
- Number of training seminars for staff
- Number of sensitization seminars carried out
- Number of nurseries contracted
- Number of beneficiaries and their progress on the preparation of planting steps, to be measured in acres or meters
- Number of staff meetings (continuously)
- Number of trees planted according to the guidelines
- Numbers of hospitals and health centers renovated.
- Number of heifer distributed and bio gas contraction.
- Number of wells raised/contracted.
- Number of committees supporting the project and how
- Number of documented land-use plans created by the committees
- Is there visible reduction on bush fires?
- Number of fire brigades in place to distinguish bush fires
- Impact of show sides on environmentally friendly tree planting
- How many pupils/institution members planted trees at their home sides?
- Number of interviews carried

Financial control and Auditing:

All monies will be controlled by the Diocesa financial Department and annual auditing of the Receipts and expenditures will be done regularly by the auditing Department.

2016 Activities

Afforestation

Increase the number of Tree Nurseries from 8 to 13

Expecting to plant 167,760 trees

Hai – 47,200 trees

Eastern Kilimanjaro – 42,700 trees

Central Kilimanjaro – 28,000 trees

Siha – 17,760 trees

Karatu – 12,100 trees

Schools – 20,000 trees

Environmental Based Education (Student environmental Clubs)

-Educate 10,000 students from 1 College/University, 4 Secondary schools and 5 primary schools.

- Creating Environmental Clubs from respective Schools and Colleges.

Bio-Gas

-Creating awareness to villagers from five (5) villages on sustainable environmental conservation and effects of pollution.

-Creating Biogas Clubs in the respective villages and Identify 200 families.

Provision Of Clean Water

-creating awareness to stakeholders concerning water sources and re-habilitation of clean water to the villagers

Rehabilitation of Maternity wards

-Renovation of the existing maternity wards in 1 hospital

2017 Activities

Afforestation

Increase the number of Tree Nurseries from 13 to 23

Expecting to plant 241,800 trees

Hai – 70,900 trees

Eastern Kilimanjaro – 64,400 trees

Central Kilimanjaro – 41,200 trees

Siha – 27,200 trees

Karatu – 18,100trees

Schools – 20,000 trees

Environmental Based Education

- Gathering the Environmental Clubs from Schools and Colleges
- Recruiting new 10,000 members of Environmental Clubs from schools and Colleges

Bio-Gas

- Creating awareness to Members of bio Gas clubs on the Uses of Bio Gas as an alternative source of Energy
- Buying and Distributing dairy cattle to the members of Bio Gas Clubs

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in 1st village.

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in 2nd hospital

2018 Activities

Afforestation

Increase the number of Tree Nurseries from 23 to 33

Expecting to plant 323,902 trees

Hai – 97,700 trees

Eastern Kilimanjaro – 88,800 trees

Central Kilimanjaro – 56,700 trees

Siha – 37,300 trees

Karatu – 23,402 trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

- Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

- Constructing Bio-Gas Plants for the Clubs members.

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in the 2nd village.

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 3rd hospital

2019 Activities

Afforestation

Increase the number of Tree Nurseries from 33 to 40

Expecting to plant 80,650 trees

Hai – 19,150 trees

Eastern Kilimanjaro – 17,300 trees

Central Kilimanjaro – 11,750 trees

Siha – 7,350 trees

Karatu – 5,100 trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

-Monitoring the Bio-Gas Systems and the growth of the project

-Conducting Environmental Seminars to Club Members

Provision Of Clean Water

-creating awareness to stakeholders concerning water sources and re-habitation of clean water to the villagers

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 1st Health Centre

2020 Activities

Afforestation

Expecting to plant 396,200 trees

Hai – 119,300 trees

Eastern Kilimanjaro – 108,400 trees

Central Kilimanjaro – 70,000 trees

Siha – 47,600 trees

Karatu – 30,900trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

- Recruiting new members of the Bio-Gas Club from respective Villages
- Creating awareness to new members of the Bio Gas Clubs on sustainable environmental conservation and effects of pollution.

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in 3rd village.

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 2nd Health Centre

2021 Activities

Afforestation

Expecting to plant 466,000 trees

Hai – 139,000 trees

Eastern Kilimanjaro – 126,000 trees

Central Kilimanjaro – 86,200 trees

Siha – 56,600trees

Karatu – 38,100 trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

- Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

- Creating awareness to new members of Bio Gas clubs on the Uses of Bio Gas as an alternative source of Energy.
- Distributing Cattle to the new members (Third borne cattle from the first Club members)

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in 4th village.

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 3rd Health Centre

2022 Activities

Afforestation

We expect to plant 423,100 trees
Hai – 123,200 trees
Eastern Kilimanjaro – 117,400 trees
Central Kilimanjaro – 76,800 trees
Siha – 51,800 trees
Karatu – 33,900 trees
Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.
-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

-Constructing Bio-Gas Plants to the New Club members.

Provision Of Clean Water

-creating awareness to stakeholders concerning water sources and re-habitation of clean water to the villagers

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 4th Health Centre

2013 Activities

Afforestation

We expect to plant 112,400 trees
Hai – 28,900 trees
Eastern Kilimanjaro – 26,100 trees
Central Kilimanjaro – 18,100 trees
Siha – 11,400 trees
Karatu – 7,900trees
Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.
-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

-Monitoring the Bio-Gas Systems and the growth of the project
-Conducting Environmental Seminars to Club Members

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in 5th village.

Rehabilitation of Maternity wards

Renovation of the existing maternity wards in the 5th Health Centre

2024 Activities

Afforestation

We expect to plant 480,700 trees

Hai – 148,300 trees

Eastern Kilimanjaro – 134,100 trees

Central Kilimanjaro – 94,200 trees

Siha – 62,500 trees

Karatu – 41,600 trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

-Recruiting new members of the Bio-Gas Club from respective Villages

-Creating awareness to new members of the Bio Gas Clubs on sustainable environmental conservation and effects of pollution.

Provision Of Clean Water

Rehabilitation of water infrastructures and water provision in 6th village.

2025 Activities

Afforestation

Expecting to plant 534,300 trees

Hai – 158,700 trees

Eastern Kilimanjaro – 143,200 trees

Central Kilimanjaro – 101,100 trees

Siha – 65,700 trees

Karatu – 45,600 trees

Schools – 20,000 trees

Environmental Based Education

Gathering the Environmental Clubs from Schools and Colleges.

-Recruiting new 10,000 members of Environmental Clubs from schools and colleges

Bio-Gas

-Creating awareness to new members of Bio Gas clubs on the Uses of Bio Gas as an alternative source of Energy.

-Distributing Cattle to the new members (Third borne cattle from the first Club members)

Provision Of Clean Water

Project review and follow up to the project beneficiaries.