

TEMEKE MUNICIPAL COUNCIL



PROJECT PROPOSAL ON CONSERVATION OF WATER RESOURCES

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13Th September, 2013

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PROJECT TITLE

CONSERVATION OF WATER RESOURCES ALONG
THE COASTAL BELT OF TEMEKE AS A STRATEGY
TOWARDS MINIMISING SALT WATER
INTRUSION

INTRODUCTION

- Temeke Municipality covers an area of 656km² with a coastal line of 70km length
- It is located in the south of Dar es Salaam city, borders Coastal Region in the South, Ilala Municipality in the North and West while in the East it stretches by the coastal line of the Indian Ocean

Introduction cont.....

- Rainfall pattern is that of bimodal type with erratic conversional rains.
- The amount of rainfall received ranges from 800 - 1200 mm per annum.
- Temperature just like rainfall is also influenced by ocean currents. High temperatures prevail throughout the year ranging from 25⁰C during the period of June to August up to 35⁰C in the period of January to March.

Introduction cont.....

- According to 2012 population census there 1,151,865 inhabitants. With an estimation of growth rates of 4.6% per year.
- All these population need water for their daily activities such domestic and irrigation.

Introduction cont.....

- **Water supply situation in Temeke;**
- Over 90 percent of the population use water from boreholes .
- The existing boreholes in the municipality is estimated to 1000 units both public and privately owned.

Project rationale

- The project approach was chosen based on the following reasons:
- Research results on seawater intrusion in Dar es salaam conducted by ARU and Sapienza University (2011/2012).
- Studies on Saltwater intrusion in coastal aquifer conducted by WAMI-RUVU water Board (2013)
- Temeke Municipal Council strategic plan of 2013/2018.

Project rationale cont.....

- The project will cover 10 wards of Temeke Municipality which borders sea shores
- Which are Kurasini, Mtoni, Kijichi, Vijibweni, Kigamboni, Tungi, Mjimwema, Somangira, Kimbiji and Pemba Mnazi.
- The project area have been selected due to several reasons including
- Rise and fall of sea water level which cause sea show erosion

Project rationale cont.....

- There is no conventional water supply system, the supply is mainly through boreholes.
- There is rampant destruction of mangrove forest for wood fuel and income generation

PROJECT OBJECTIVES

Main Objective

- To minimize saltwater intrusion into ground water conservation of water resources along the coastal belt of Temeke Municipality

Specific Objective

- To create awareness on conservation of water resources in ten wards by 2014
- To reduce sea shore erosion 70Km along coastal belt by 2015
- To provide sustainable sources of fresh water in ten wards by 2018
- To provide alternative economic activities by 2018

Project assumption

- Funds will be provided for the project by development partners
- Community will accept the project
- The council will accept the project
- Seawater intrusion will be minimized
- Improved livelihood of community

Activities that will be carried out to address the objectives of the project

- Creation of awareness to the community at all level
- Constructing rain water harvesting infrastructures
- Planting of mangroves
- Introducing alternatives economic activities to the community e.g. Bee Keeping, marine culture (growing of seaweeds, crab fattening and horticulture)
- Provide water supply network from the selected borehole.

financial and technical resource required

- Planting Mangroves – Tsh. 25mil
- Water supply – Tsh. 570mil
- Training & Sensitization -Tsh. 15mil
- Other alternative activities- Tsh. 50mil

Total cost of the project will be Tsh. 660mil

ATTCHMENT NO: 1.

financial and technical resource required cont---

- Technical staff from Water Sector, Health Sector, Community Development, Natural Resources, Urban Planning and GIS, Works and Agriculture Department.

TIME FRAME AND MILESTONE

The project will be implemented for five years from 2014 to 2018

- Attachment No 2

THANK YOU FOR LISTENING