

COMMUNITY WATER SUPPLY AND SANITATION SYSTEMS IN PERI-URBAN AND LOW INCOME SETTLEMENTS OF DAR ES SALAAM

1. INTRODUCTION

The Tanzania Government experiences water shortage in the City of Dar Es Salaam and the most affected people are those living in the peri-urban and low income settlements due to frequent outbreak of related diseases. The Government of Tanzania requested the Government of Belgium and European Union through water facilities initiative to help intervene to correct this situation and finally funds were secured through Belgium Government and ACP-EU water facility

The Government of Belgium and the European Community (EC), through the Belgian Technical Cooperation (BTC) and in collaboration with the Government of Tanzania through Ministry of Water and Irrigation and three Municipalities of Dar es Salaam are now supporting the implementation of five years (2008 – 2013) Water and Sanitation Project.

The specific agreement for this project was signed by the Government of Tanzania and the Government of Belgium in August 2005. The contract between the Belgian Technical cooperation and the European Commission was signed in December 2007.

The project aims at improving the living condition of the communities in peri-urban and low income settlements of Dar es Salaam city. It specifically intends to improve provision of clean, safe and reliable water supply and sanitation in sustainable way in 14 selected project areas.

The funds for this project are contributed as follows:

Belgian Government contributed.....	3,910,505.00Euros
EU-Water facility contributed.....	3,647,859.00Euros
Ministry of Water and Irrigation and three Municipalities contributed.....	300,000.00 Euros

2. FINAL BENEFICIARIES

The project will cover 14 selected target areas in Ilala, Kinondoni and Temeke which are administratively demarcated either as wards and/or sub wards. Table 1.1 shows the specific target areas in each municipality including the estimated number of people expected to

benefit directly or indirectly from the project.¹ About 760,152 people are expected to be served by the project.

All the targeted areas are characterised by inadequate access to improved water supply and sanitation services. Most of the people in these areas depend on water from unprotected hand dug wells and a few private boreholes and water vending from which they pay higher prices than public rates.

Most of these areas are in unplanned areas of Dar es Salaam City. Hence, the sanitation situation which includes toilets, liquid and solid waste disposal is very poor. Various reports from each of the municipality indicate that these areas are often prone to outbreaks of cholera and other water and sanitation related diseases such as diarrhoea, dysentery and typhoid.

Table 1.1: Estimated population per target area (2002)

Municipality	Ward/subward	Male	Female	Total population	House-holds	Average size	Total estimated population
Kinondoni	Tandale	23,588	21,470	45,058	11,875	3.79	71,250
	Mburahati	10,882	10,726	21,608	5,242	3.12	31,452
	Makaburini	17,341	17,292	34,633	7,871	4.40	47,226
	Kibamba	9,164	8,832	17,996	4,219	4.27	25,314
Ihala	Ukonga	38,499	36,515	75,014	16,752	4.48	100,512
	Kiwalani	31,732	30,228	61,960	15,763	3.93	94,578
	Segerea	37,833	37,988	75,821	16,130	4.70	96,780
	Kinyerezi	3,020	2,791	5,811	1,447	4.02	8,682
	Tabata Kisiwani	22,911	23,317	46,228	10,737	4.31	64,422
Temeke	Makangarawe – Donya	21,173	21,175	42,348	9,733	4.35	58,398
	Tandika – Nyambwera and Kilimahewa	21,219	20,795	42,014	10,583	3.97	63,498
	Mbagala Kuu and Mbagala Kingugi	35,451	34,772	70,223	16,340	4.30	98,040
	TOTAL	272,813	265,901	538,714	126,692	4.25	760,152

¹ Population estimates based on various sources incl. annual projection growth rates as per National Census of 2002, JICA Study (2005) and Records at Ward and Sub Ward Offices.



3. PURPOSE OF THE PROJECT

General objective:

Living conditions of the communities in peri-urban areas of Dar es Salaam are improved

Specific objective:

Provision of clean, safe and reliable water supply and sanitation is improved in a sustainable way in 14 selected project areas in peri-urban and low income settlements of Dar es Salaam

Results :

Result 1: 60 water supply systems in the selected peri-urban and low income areas are designed and installed in a sustainable manner giving access to safe drinking water for 130.000 persons (i.e. 22 % of the final beneficiaries)

Result 2: Hygiene practices and pilot sanitation facilities and services in the selected peri-urban and low income areas are improved in a sustainable manner

Result 3: Community Owned Water Supply and Sanitation Organizations (COWSSO) are trained to manage, operate and maintain the water supply and sanitation facilities and services in an efficient, transparent and sustainable manner and are accountable to the users

Result 4: Innovative models of O&M by COWSSO and innovative technical options for water and sanitation infrastructure and services are documented and disseminated on city, national and international levels and information on water supply and sanitation policies and Integrated Water Resources Management (IWRM) are disseminated on local level

4. PROJECT STATUS

Achievement toward fulfilling result 1:

Inventory study consultancy was launched on

5. PROJECT IMPLEMENTATION

Project implementation is based on Joint Management Principles. The project is managed jointly by the Government of Tanzania through the Ministry of Water & Irrigation (MOWI), three municipalities and Belgian Technical Cooperation (BTC). The Project is implemented under supervision of Jointly Local Partnership Committee (JLPC), which comprise of members from Ministry of Finance, the three Directors of the Dar es Salaam municipalities, EU, Resident Representative of BTC, Director of DAWASA, Director from (MOWI) and Mayor of the City Council. Day to day management of the project's activities, finances and assets is done by Project Management Team (PMT).

The (PMT) is composed of the following persons at central level:

- The representative of the (MoWI) as Coordinator
- The International Technical Advisor (ITA)
- The National Technical Advisor (NTA)
- The three Municipal Water Engineers (MWE)

The three Municipalities are involved in the project not only with the MWE but as well through their health, community development and other departments. At the moment, the municipalities are the legal owners of most community operated water supply and sanitation infrastructures.

6 PROJECT STATUS:

The project started by establishing an office at *Water Development and Management Institute* (Chuo cha Maji-Ubungo) a place, which was made available by the Ministry of Water and Irrigation. Procurement of consulting services was launched and Don Consult was awarded the contract of Inventory of existing and planned water and sanitation systems per target area. This service was successfully completed by January 2009 and the data collected are used in

the next stage of the project. In fulfilling the specific objective, Procurement of consulting service for investigation, design and preparation of tender documents was launched and COWI Company managed to win the tender, and the company is currently working on the contract and expected to complete by June 2010. Concurrently to COWI contract a test borehole drilling contract is finalised and the firm is expected to work hand in hand with COWI to accomplish the investigation contract. This project is directed towards community participation therefore social aspects of this project has been given a top priority and by now several social consulting firms have been contracted to create community awareness on water and sanitation practice and on relation between water and sound environment, health and training the community on fundamental hygiene practice. Under this ACHRID (Ilala), EWAREMA (Temeke) and WEDECO (Kinondoni) firms are currently working on the above matter.

Sanitation is a major problem in the selected target areas of Dar es Salaam. However this has not been the first priority issue for the people living in these areas, water surface to be the first priority for every community visited and has been shown in different reports submitted by our consultants. For sustainability of sanitation systems one has to think of how to build and run the facilities, e.g. solid waste management, VIP latrines and its emptying systems like MAPET technology or Cesspit emptier services etc. The project has awarded DON Consult to identify the potential in financial contribution to sanitation activities per target area, as a source for sustainability and investigate on feasible financial and technical sanitation option per target area.

The project is also looking into various existing practices on water and sanitation and improve/modify and train for the efficiency management of the systems. Consulting service has been awarded to WEPMO firm to look into these existing practices.

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