

### Outline of the survey

#### (1) Framework of the survey

The United Republic of Tanzania (hereafter, URT) is a country in east Africa, it is bordered by Kenya and Uganda to the north; Rwanda, Burundi, and the Democratic Republic of the Congo to the west. The eastern border is formed by the Indian Ocean. Kilimanjaro, a mountain located in URT, it is the highest mountain in Africa. The URT has vast amounts of natural resources such as gold, diamonds, fossil fuels, iron, uranium, rare earths oxides and other precious metals. The economy of URT is mostly based on agriculture, which accounts for more than half of the GDP, however, the GNP per capita remains US\$400 (FY2007) and the coverage of improved drinking water is 52% on the nationwide basis.

Currently, the UTR has created long-term development schemes called “Tanzania Development Vision 2025”, and “National Strategy for Reduction of Poverty and Growth”. In this context, supply of safe drinking water is considered most crucial for UTR’s poverty reduction and socio-economic development. The goal of the scheme is for the residents to have easy access to safe drinking water for the whole nation, 400 meters from the residential areas by 2025.

The National Water Policy 2002, followed by the Water Supply and Sanitation Act 2009, recommends the local government authorities to take control over the operation of the water supply for the local community. However, the O&M of the rural water supply is very limited and delayed, due to the lack of sufficient budget and personnel capacity, compared to that of the urban water supply.

#### (2) Objectives of the survey

With the base of the socio-economic status of drinking water supply in villages and rural areas in consideration, the objective of the survey is to identify the issues of the water treatment system development, through the demonstration of a simple water treatment equipment assembled using local materials. The outcome of the survey would contribute to the formulation of ODA schemes to be implemented in the rural water supply business.

The targeted establishments and the objectives of the survey through operation of simple water treatment equipment are as follows.

Targets of survey	Objectives of test/survey
1. schools, hospitals, and villages (small scale)	The possibility of production and supply of drinking water to small scale establishments.
2. schools, hospitals, rural community (large scale)	The examination of business model based from the previous demonstration results
3. local market and retail outlets	(a) Procedures for the sales of products, equipment, and water. (b) Acquisition of contact persons or retailers. (c) Development of sales network for logistics

#### (3) Policy for the survey

The following steps were taken based from the request last May 2012 for the renovation of the local water supply facility operate by the local government authority.

1. The demand and needs of community people will be collected from public schools and Bukoba Urban Water and Sewerage Authority (BUWASA) through the demonstration of how the drinking water is produced with the simple water treatment equipment that was assembled.
2. The factors for the development of water supply business network, which includes the materials for the equipment, logistics, and the retailers are to be identified through the survey results.
3. A water supply business will be established in Bukoba urban city, Kagera region.
4. The water supply business will be adjusted to be more suitable for local market environment and are to be expanded to other areas and neighbouring countries, with the use of larger ODA schemes.
5. The result of the survey and the water supply business will then be released to the mass media.

4) Survey Schedule

Tasks	Nov. 2012	Dec. 2012	Jan. 2013	Feb. 2013	Mar. 2013
Permit for the demonstration of water treatment equipment using river water / preparation for the field work	■				
Arrangement to meet with relevant local authorities		■			
Field survey for viewing of water resources and for equipment setting		■			
Field survey / Identification of the demonstration site		■			
Survey of the economy, society, and the community			■		
Identification of the operators for setting of equipment			■		
Placement of the ordered requisite materials			■		
Purchasing of materials			■		
Arrangement to meet with relevant authorities of site 1 / Permit for demonstration			■		
Arrangement to meet with relevant authorities of site 2 / Permit for demonstration			■		
Conference with the community people / Identification of intake point			■		
Start of groundwork			■		
Setting water reservoir			■		
Water treatment test of river water and water quality test			■		
Order of treated water quality test from public laboratory			■		
promotion of treated water supply at primary school			■		
Completion of inspection				■	
Workshop				■	
Transfer of water treatment equipment to village board				■	
Clearing away / Preparation of reports			■	■	
Submission of draft final report				▲	
Domestic work					
Submission of final report					▲

5) Members of Survey Team and their Role

Name	Affiliation	Assigned task and role
1 Kanetoshi Oda	Poly-Glu Social Business Co., Ltd.	Team leader/ Planning of water treatment equipment
2 Setsuko Oda		Sub-team leader/Procurement of materials
3 Junpei Taniguchi		O&M of equipment/Water analysis/Execution management-1
4 Yoshio Tanaka		Designing of water treatment equipment and setting
5 Masami Tsuyuki	O.P.C. Corporation, Ltd.	Project manager/Planning of water supply -1
6 Masamichi Tsuji		Evaluation of Water quality analysis
7 Yuki Oba		Execution management-2/Village field study
8 Kazuyo Kokubo		Seminar for O&M /Study of gender/Data summarization
9 Wakako Sato		Assistance of operational coordination/ Document Organizing
10 Masanori Fujii		Planning for feasibility-2/ Operational coordination
11 Shoji Nakahara	Toyota Tsusho Corporation., Ltd.	Planning for feasibility-1/ Procurement of materials-2
12 Maya Kawasaki		Market Study-1/Sales Promotion-1
13 Joseph Kinyua		Market Study-2/ Sales Promotion-2