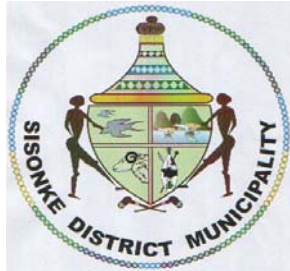


# PROJECT PROFILE: STUARTSVILLE WATER SUPPLY PROJECT



## SISONKE DISTRICT MUNICIPALITY

### STUARTSVILLE WATER SUPPLY PROJECT

PROJECT NAME	: Stuartsville Water Supply Project
COMMENCEMENT DATE	: November 2005
COMPLETION DATE	: July 2006
DURATION	: 9 months

#### **BACKGROUND:**

The area is currently not served with an assured source of potable water. Springs, streams and boreholes are still used by the community. It was intended that the area be supplied with potable water from the adjacent Vulamehlo / Jolivet Water Supply Project, which was completed in 2003. However, due to a lack of funding and changes to municipal demarcation, the area was not included as part of the Vulamehlo / Jolivet project. The Vulamehlo / Jolivet scheme currently supplies water to a part of the Vulamehlo Local Municipality in Ugu (DC21) and to a portion of the Ubuhlebezwe Local Municipality in Sisonke (DC43). The existing 1.5Ml Hlutankungu Reservoir forms a part of the cross border project and is situated on the Sisonke side of the scheme. It is intended that the Hlutankungu Reservoir supplies water to the Stuartsville project.

#### **PROJECT LOCATION**

Stuartsville is situated within the Ubuhlebezwe Local Municipality (KZ5a5) of the Sisonke District Municipality (DC43) in KwaZulu Natal. The community of Stuartsville is approximately 45km from Ixopo.

## **PROJECT OBJECTIVES:**

The scheme is designed to RDP standards, which is aimed at supplying 20 to 30 litres per person per day of clean, safe water within 200 metres walking distance of all households.

## **SCOPE OF WORKS**

The scope of work for the project entails the following:

Three new 5kl reinforced concrete reservoirs, 9020m of mainline, 6725m of secondary distribution/reticulation pipeline and 22 standpipes will be constructed. A total of 320 households with a population of 2400 people will be served. The total bulk infrastructure cost is R2,016,168.16 or R6 300.53 per household. The total cost of the reticulation component is R780,000.00 or R2,437.50 per household. The estimated total project cost is R2,796,168.16 (incl. VAT). This is the first full EPWP project to be carried out by The Sisonke District Municipality.

The following factors have contributed to the high cost of the project:

1. Due to the undulating topography, a total of 3 BPT's and 1 PRV are required to reduce pressure, which adds to costs.
2. Excavation for the 3 BPT's will also be in intermediate to hard material, as above.
3. A long length of main pipeline (6500m) will be laid, serving no people, before it reaches the Ndongyane area, where houses are situated.
4. Machine excavation will be required in intermediate / hard material.
5. Pipe jacking for the road crossing at the R612 is required, which adds to the project cost.

## **STAKEHOLDERS**

The project will be implemented by the Sisonke District Municipality and will implement the project using Municipal Infrastructure Grant funds.

The Project Team consists of:

Project Steering Committee	: Established at start of project.
Technical Consultant	: Stemele Bosch Africa
Social Consultant	: Nokuthula Dube & AssociatesN
Contractor	: Multicrop Civils

## **BUDGET**

The budget approved project budget is:

Total Budget : R 2 796 168.16  
Construction Budget: R 2 404 704.62  
Consultant Budget : R 391 463.54