

UGU DISTRICT MUNICIPALITY



Ugu District Municipality

EMERGENCY BOREHOLES PROGRAM (MIG): IMPLEMENTATION PHASE 2

PROJECT PROFILE

CONTRACT NAME	: Emergency Boreholes Program Phase 2: Implementation
CLIENT	: UGU District Municipality
CONSULTING ENGINEERS	: WNA Consulting Engineers
CONTRACTOR	: Panel of Contractors
SPECIALISTS	: Drillings Contractors and Specialists
ISD	: Balefe Investments
CONTRACT VALUE	: R100 026 022.50 (Inclusive of VAT)
IMPLEMENTATION PERIOD	: 12 Months
COMMENCEMENT DATE	: January 2024
COMPLETION DATE	: December 2024

1.0 BACKGROUND:

The raw water supply throughout the district is inadequate to supply the needs of the people. Boreholes and springs are proposed to supplement the water demands and will have to remain in place until adequate bulk water becomes available. The Water services masterplan identified the need to continue using boreholes and springs as alternative water supply in all areas.

The existing boreholes are in a state of disrepair and require urgent refurbishment to make them functional. Additional boreholes are required in areas where there are no existing boreholes, areas where boreholes no longer have capacity and where the existing raw water supply is inadequate to cope with the demand

The business plan for EMERGENCY BOREHOLES PROGRAMME PHASE 2-IMPLEMENTATION was approved by COGTA on 10 January 2024 for R100 026 022.50 with the following scope;

- Drilling and equipping of 42 new boreholes (completely ruined existing boreholes)
- Installation of Solar Panels (Number depends on pump size)
- Installation and installation of tank stand and tank (stand to be installed on concrete plinths)
- Reticulation Network for areas that are not serviced with high yield boreholes
- Construction of standpipes
- Electrical works
- Refurbishment of 80 existing boreholes,
- Commissioning of boreholes
- Pre-treatment of boreholes
- Fencing of boreholes

2.0 PROJECT LOCATION

The project area falls under the jurisdiction of the UGU DISTRICT MUNICIPALITY covering the Four (04) Local Municipalities (Ray Nkonyeni, Umdoni, Umuziwabantu and Umzumbe Local Municipalities).

3.0 SCOPE OF WORKS

- Drilling and equipping of 42 new boreholes (completely ruined existing boreholes)
- Installation of Solar Panels (Number depends on pump size)
- Installation and installation of tank stand and tank (stand to be installed on concrete plinths)
- Reticulation Network for areas that are not serviced with high yield boreholes
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4.0 PROJECT BENEFITS:

See attached Annexure A

LOCAL MUNICIPALITY	Number of Households
Ray Nkonyeni	1449
Umuziwabantu	371
Umzumbe	1159
Umdoni	190
Total	3169

The Benefits of this Contract include:

The Emergency Boreholes Programme Phase 2 is aimed at achieving the following outcomes that will benefit the communities in the project area within Umzumbe, Umuziwabantu, Umdoni and Ray Nkonyeni Local Municipality under UGU's jurisdiction:

- A safe and reliable source of potable water to promote health and hygiene and reduce the incidence of waterborne diseases.
- Achieve an efficient and effective use of the water resources within the area.
- Create within the community, greater capacity to understand the management of water resources within the region.
- Create employment opportunities for the duration of the construction programme and to some extent beyond.
- The secondary objective is to develop institutional capacity within the community to create awareness of the water scheme. It is also the intention to promote health and hygiene awareness during and after the period of the project.
- Promoting water conservation awareness and initiatives within the community in order to enable conservation of available water resources.

5.0 JOB CREATION

The project is implemented as an EPWP project. The contractors are using labour intensive construction methods. All the General Labour was sourced from the Local Communities with the Assistance of the Social Facilitator and the Ward Councillor.

6.0 PHOTOS

6.1 Drilling and Yield Testing:



Borehole drilling



Yield Testing

6.2 Equipping of Boreholes



Completed Conversion of Handpump (Production Pump): KwaMachi Umuziwabantu Ward 05



Solar Panels for completed equipping for Emanci Umuziwabantu Ward 05



Tank stand, Standpipe & Related Pipework: Rossimin 2 Ray Nkonyeni Municipality Ward 14



Solar Panels for completed borehole: Sunduza Ray Nkonyeni Municipality Ward 29



**Tankstand, Stand & Related Pipework:
KwaQwabe 1 (Frankland Hall) Mzumbe
Municipality Ward 15**



**Solar Panels for a completed borehole :
Amahwaqa Mzumbe Municipality Ward 11**