

**PROJECT NAME** MQANDULI SECONDARY BULK WATER SCHEME - CONTRACT 2  
**PROJECT SCOPE** Construction of 4 Reservoirs, and a Secondary Bulk Main  
**CO ORDINATES** Latitude: 29°15' 55.21"South, Longitude: 30°48' 45.77"East  
**CONTRACT No** ORTDM SCMU 49-18/19

**CONSULTANT** Ziinzame Consulting Engineers  
**REPRESENTATIVE** Mabonga Khubone  
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**CONTRACTOR** GCINASONKE ENGINEERS  
**REPRESENTATIVE** Neusa Mbalu  
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**CONTRACT PERIOD**  
Contract commencement Date: 26-Apr-2019  
Original contract Period : 12 months  
Original completion Date : 13-May-2020  
Revised Completion Date: 30-Aug-2020  
Practical Completion Date:

**CONTRACT VALUE**

Contract value at time of award including VAT:	<b>R 35 124 182.28</b>	
Value of work certified to date including VAT:	<b>R 19 807 765.82</b>	56.39%
Variation Orders Approved (If Applicable):	<b>R 0.00</b>	
Approved Budget:	<b>R 35 124 182.28</b>	
Budget Shortfall:	<b>R 0.00</b>	
Balance on project fund:	<b>R 15 316 416.46</b>	

**CONTRACTUAL REQUIREMENTS AND ADMINISTRATION**

													Yes	No
1	Surety or surity gurantee in place												x	
2	Retention deduction												x	
3	Insurance - workmans compensation												x	
4	Letter of aknowledgement from DoL / contractor informed DoL												x	
5	OHS plan submitted to the client												x	
6	OHS Plan approved by the client												x	
7	Site Diary on site												x	
8	Site Message book												x	
9	Site instruction book on site												x	
10	Baseline Programme of Works												x	
11	Revised Programme of works												x	
12	Organisational Chart for the project												x	
13	Contract Doc. Signed by all parties including the client												x	
14	O.R. Tambo's OHS agency												x	

STATUS	PERCENTAGE PROGRESS										
	0	10	20	30	40	50	60	70	80	90	100
Site establishment											X
Excavation										X	
Bedding and pipe laying										X	
Backfilling and levels										X	
Manhole Chambers and special fittings				X							
Pipe testing			X								
Reservoir					X						
Overall Progress						X					

#### PHYSICAL PROGRESS

Risingt Main	Tender	Actual	Perc. (%)
Clear and grub (m)	1 857	1 510	81.31%
Trench Excavation (m)	1 979	1 510	76.30%
Pipe laying 110mm dia class 25 (m)	1 857	1 510	81.31%
Bedding (m <sup>3</sup> )	672	540	80.36%
Manhole Chambers (No.)	6	0	0.00%
Pipe Testing (m)	1 857	0	0.00%
<b>Reservoir (No.) 1ML Low Cezu</b>	<b>1</b>	<b>1</b>	<b>100.00%</b>
Earthworks (m <sup>3</sup> )	3 000	1 216	40.53%
Footings to wall + floor slab (m <sup>3</sup> )	115	90	78.26%
Walls (m <sup>3</sup> )	75	0	0.00%
Roof slab & upstand (m <sup>3</sup> )	90	0	0.00%
columns (m <sup>3</sup> )	15	0	0.00%
<b>Reservoir (No.) 1 ML MANDLOVINI-C</b>	<b>1</b>	<b>1</b>	<b>100.00%</b>
Earthworks (m <sup>3</sup> )	2 500	362	14.48%
Footings to wall + floor slab (m <sup>3</sup> )	115	115	100.00%
Walls (m <sup>3</sup> )	75	25	33.33%
Roof slab & upstand (m <sup>3</sup> )	90	0	0.00%
columns (m <sup>3</sup> )	15	5	33.33%
<b>Reservoir (No.) 500KL MAQOMENI</b>	<b>1</b>	<b>1</b>	<b>100.00%</b>
Earthworks (m <sup>3</sup> )	2 000	1 450	72.50%
Footings to wall + floor slab (m <sup>3</sup> )	46	46	100.00%
Walls (m <sup>3</sup> )	37	10	27.03%
Roof slab & upstand (m <sup>3</sup> )	40	0	0.00%
columns (m <sup>3</sup> )	3	0	0
<b>Reservoir (No.) 500KL ZWELITSHA</b>	<b>1</b>	<b>1</b>	<b>100.00%</b>
Earthworks (m <sup>3</sup> )	1 500	301	20.07%
Footings to wall + floor slab (m <sup>3</sup> )	46	22	47.83%
Walls (m <sup>3</sup> )	37	0	0.00%
Roof slab & upstand (m <sup>3</sup> )	40	0	0.00%
columns (m <sup>3</sup> )	3	0	0.00%

**OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL ISSUES**

Monthly site audits for environmental and health and safety are being conducted.

No incidents have been reported.

**QUALITY OF WORK AND QUALITY CONTROL**

	Bad	Fair	Good	Excellent
Excavations			X	
Bedding			X	
Backfilling			X	
Compaction			X	
Pipe testing results				
Chambers				

**CORRECTIVE MEASURES (if Applicable)**

None

**SOCIAL ISSUES**

none

**APPROVALS**

None.

**CHALLENGES / COMMENTS:**

Delays as a result of the Worldwide Covid 19 Pandemic has hampered the project progress, but the Contractor has developed a catch up plan in order to expedite the progress. The 1.5 km 110mm Pipeline has been completed and all Reservoirs are currently under construction, as pictured below.

**As Built / O & M Manuals**

To Be Submitted.

**Photo's**



**1ML Reservoir Mandlovini- Steel fixing and wall shuttering**



**500 KL Reservoir Maqomeni- Steel fixing and wall shuttering.**



**500 KL Reservoir Zwelitsha- Floor Quadrants steel fixing.**



**1ML Reservoir Cezu - Floor Quadrants steel fixing**



**Material on site- Reservoir Wall Shutters**