

PROJECT NAME	MQANDULI SECONDARY BULK WATER SCHEME - CONTRACT 1		
PROJECT SCOPE	Construction of Two Reservoirs, and secondary bulk main		
CO ORDINATES	Latitude: 29°15' 55.21"South, Longitude: 30°48' 45.77"East		
CONTRACT No	ORTDM SCMU 48-18/19		
CONSULTANT REPRESENTATIVE	Ziinzame Consulting Engineers Mabonga Khubone 047 531-0269 086 274-4856 mkhubone@ziinzame.co.za		
CONTRACTOR REPRESENTATIVE	Khwalo's Constrution Bandile Madikizela 047 534-0043 047 534-0003 khwalos@yahoo.com		
CONTRACT PERIOD	Contract commencement Date:	26-Apr-2019	
	Original contract Period :	12 months	
	Original completion Date :	29-Apr-2020	
	Revised Completion Date:	4-Aug-2020	
	Practical Completion Date:		
CONTRACT VALUE	Contract value at time of award including VAT:	R 36 471 147.07	
	Value of work certified to date including VAT:	R 20 287 826.49	55.63%
	Variation Orders Approved (If Applicable):	R 0.00	
	Approved Budget:	R 36 471 147.07	
	Budget Shortfall:	R 0.00	
	Balance on project fund:	R 16 183 320.58	
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 acknowledgement 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										
Pump House	x										
Reservoirs						x					
Overall Progress						x					

PHYSICAL PROGRESS

Rising Main			
	Tender	Actual	Perc. (%)
Clear and grub (m)	7 424	2 743	36.95%
Trench Excavation (m)	7 424	2 743	36.95%
Pipe laying 200mm dia class 16 (m)	1 928	1 928	100.00%
Pipe laying 355mm dia class 16 (m)	2 812	2 670	94.95%
Pipe laying 400mm dia class 16 (m)	2 684	0	0.00%
Bedding (m ³)	5 412	489	9.04%
Manhole Chambers (No.)	65	0	0.00%
Pipe Testing (m)	7 424	0	0.00%
Reservoir (No.) 1ML upper ngqwarha	1	0.7	70.00%
Earthworks (m ³)	2 500	1 521	60.84%
Footings to wall + floor slab (m ³)	115	115	100.00%
Walls (m ³)	75	70	93.11%
Roof slab & upstand (m ³)	90	0	0.00%
columns (m ³)	15	13.45	89.66%
Reservoir (No.) 500KL Vigesiville	1	0.1	13.00%
Earthworks (m ³)	1 500	1 305	87.00%
Footings to wall + floor slab (m ³)	46	0	0.00%
Walls (m ³)	37	0	0.00%
Roof slab & upstand (m ³)	40	0	0.00%
columns (m ³)	3	0	0

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 Pipeline is 60% complete and both Reservoirs are currently under construction, as pictured below.

As Built / O & M Manuals

To Be Submitted

Photo's



Material on Site: Steel reinforcement for 1ML Reservoir roof and 500 kl Reservoir. G5 layer works



500 KL Reservoir Viedgesville : Testing of stabilized G5 layer.



1ML Reservoir Upper Ngqwara: Reservoir Wall



1 ML Reservoir Upper Ngqwara : Roof Shuttering



Pipeline: Laying of 355mm pipe class 16



Pipeline: Pipeline trench backfilling.