



Amajuba District Municipality

ENGINEERING PROJECTS PROGRESS REPORT

June 2014

ES
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AMAJUBA DISTRICT MUNICIPALITY

CONSOLIDATED ENGINEERING PROJECTS PROGRESS REPORT

June 2014

1. Water Projects

1.1. Buffalo Flats Water

1.1.1 Hill Top Reservoir, Pumphouse building and Pumping main

This contract was awarded to Khuhlaza Alfred JV Skhosana TS construction of a total amount of R 9 668 622.10

Contract Details	
Contract Amount	R 9 668 622.10
Contract Commencement date	November 2012
Contract Completion Date	November 2013
Expected Completion Date	30 May 2014
Extension of time	Nil

Progress to Date

TASK	PROGRESS
Site Establishment	100%
Reservoir	30%
Hilltop pump station Building	40%
Annie Pump station Building	35%
Tank	0%
Chambers	60%
Pumping main trench	75%
Access road	70%
Overall Completion	85%

Comment

The contractor is behind schedule, there has been significant progress in the construction of reservoir undertaken by subcontractor.

Challenges

Contractor is also experiencing cashflow challenges.

Contractors payments were delayed, therefore couldn't pay labours and purchase construction materials on time.

The main contractor does not cooperate very well to the sub – contractors which delay the progress.

Way forward

Amajuba District Municipality has signed cession agreement with contractor's suppliers, this will reduce cash-flow delays.

The sub - contractors had been paid, hence they are now back on site.

Contractor is now making steady progress on project, and has been monitored very closely.

1.1.2 Annandale (Section 18)

Amajuba appointed Sinethemba Construction as a preferred bidder for Buffalo flats Section 18, their appointment is dated the 27 March 2014.

Sinethemba Construction contract includes the EPWP pipeline extension project in the Grootgeluk and Milliebult area under ward 5 of Dannhauser.

Contract Details	
Contract Amount	R 10 959 577.55
Contract Commencement date	04 April 2014
Contract Completion Date	19 November 2014
Extension of time	Nil

Comments

Contractor has established his site camp.

Contractor was introduced to the community on the 28 March 2014.

Way forward

Contractor has provided a detailed construction program.

1.2 EMadlangeni Bulk Water

1.2.1 Phase 4

Due to savings on the eMadlangeni bulk water project, we have applied to DWA to utilise savings to implement Phase 4 of this project, which will include the following:

- Cathodic Protection for the 18 km existing steel pipeline.
- Supply, Delivery and erection of pressed steel panel.

These projects are currently under procurement phase, and are ready for implementation,

Challenges

These two projects above were meant to commence in December 2012, but Supply Chain experienced delays, contractors were only appointed end of January.

Therefore this meant that it wasn't possible to complete this project by the end of DWA Financial year (March end) as this project Duration was 3 months.

Pending DWA's approval to utilise these savings in the next financial year.

Way forward

A motivational request was submitted to DWA asking for funds to be rolled over, we have been doing follow up, but haven't received feedback to date.

1.3 Buffalo Flats WCWD

This programme is funded by DWA for an amount of R 4 000 000.00, the aim of this programme is to find solution to high water losses that are currently occurring in the Buffalo flats area.

Progress Report

Nqabashe Consulting Engineers were appointed to undertake this project, they are finalising their implementation plan/strategy on how they plan to rollout this program.

They are currently implementing according to plan, no challenges have been reported to date.

1.4 EMadlangeni Rural Water Supply

1.4.1 Identifying Of Water Resources

The Aim of this project is to provide possible solutions on how best to provide sustainable and reliable clean water to the entire eMadlangeni area.

Progress to date:

SRK have established contact with the DWA appointed contractors for this region and have made the relevant internal appointments i.e. drilling contractors, aquifer testing and installation contractors and laboratories;

Development of Water Sources. UWP were invited by Amajuba DM to jointly work with SRK and focus on the development of surface water resources for rural eMadlangeni and were requested to provide a terms of reference to undertake the work.

UWP submitted terms of reference proposal for their scope of work, which which is very comprehensive and detailed, but we are not happy with their fee proposal.

Due to challenges with obtaining landowner contact information which was explored through various channels i.e. Consultation with Amajuba DM GIS, physical visits to farms and town planning, SRK initiated “Windeed” searches and over a period of two weeks were able to obtain landowner contact information for 71 farms of the 124 properties searched. Of these permissions were received to proceed with geophysics on 15 farms;

To date a total of 21 borehole targets have been drilled and 11 rehabilitated boreholes.

Challenges

Landowner Contact Information and PTO Agreements

Landowner contact details largely unavailable for the 124 farms identified for investigation;

PTO agreements for farms identified for investigation need to be in place prior to commencement with drilling activities. Some progress made recently following the meeting on 14 April 2014.

Identification of Groundwater Schemes for Rehabilitation

SRK proposed rehabilitation of 20 groundwater schemes for refurbishment. No clear communication channels in place with Amajuba officials and the Ward Councillors although this challenge is currently being addressed;

Mines

As mentioned in previous progress reports, information gaps and current scenarios not well understood in terms of current and potential impact on water quality and groundwater volumes (if any) being used either as mine water supply or discharged through dewatering;

Way Forward

Drilling for boreholes is 99% complete with 21 drilled targets and 11 rehabilitated schemes. UWP Consulting has been formally appointed to deal with surface water and reticulation.

1.4.2 eMadlangeni Network reticulation.

This project has been approved by the Department of Water Affairs for implementation,

The project is located within the Emadlangeni LM under the jurisdiction of Amajuba DM. Amajuba DM as WSA for the LM is planning to install reticulation pipelines with communal standpipes for the Amatungwa and Berouw settlements. These two areas were established as part of land reform programme. The two communities are currently relying on boreholes and water tankers for their domestic water use. 769 households (5 800 people) will benefit from the project. The source of water will be bulk pipeline which was completed early in 2013 through the RBIG programme from Ngagane water treatment works. The letter from uThukela Water confirmed that there is sufficient water to meet the water demand for the project area. The project is planned to be completed in 6 months and budget required is R6 754 842.00 from MWIG funding.

2 Sanitation Projects

The implementation of this contract was awarded to Stratcon Consortium, they were tasked with managing the construction of 17344 VIP's in Dannhauser area, and the project duration is expected to be 4 years.

2.1 Buffalo Flats Sanitation

Report: A total **number of 9562** units have been completed to date

- Construction progress is improving onsite.
- 2 more contractors to be added on site, to begin construction in Normandien.
- An additional fund application has been approved by DWA.
- They almost met their MIG targets in terms of expenditure.
- The project has covered the following wards:

Ward no	Units projected	Actual units constructed
1	1390	1455
2	310	164
3	1378	1539
4	753	1806
5	4317	0
6	2254	1408
7	2236	1550

8	992	1253
9	TBC	127
10	1769	166
11	1926	94
Total		9562

Challenges

Householder refused to dig their own toiled pits.

Hard rock was encountered in certain parts of ward 1.

Contractors were denied access by a farmer's association in Normandien.

Stratcon experienced cash-flow challenges due to the Difference in DWA approved unit cost in 2007 and the current market value of a unit.

Way forward

Stratcon arranged that they will dig all toilet pits for the project.

A hard rock driller is being sourced to break hard rock around ward 1.

DWA has approved a variation order for an increase in the unit price.

Progress is being made in the construction of a manufacturing plant in ward 1 of Dannhauser, this plant will supply project with precast concrete panels for the VIP units. This plant should be complete by the end of September.



2.2 Dannhauser Sanitation Project (DHS)

The Department of Human Settlement has funded an allocation of 778 VIP units to Amajuba District Municipality under the area of Dannhauser LM.

This project was implemented by MBSA, and was completed by August 2013.

The Department of Human Settlement has provided an additional funding of R 4 million under their Rural Household Infrastructure Grant (RHIG) for the 2014/2015 financial year.

It was agreed that this project is implemented in ward 5 NDH, for the continuation of the previous project therefore Stratcorn Consortium was appointed.

Contract Details	
Contract Amount	R 4000 000.00
Contract Commencement date	02 May 2014
Contract Completion Date	30 June 2014
Extension of time	Nil

2.2.1 Ward 5 Sanitation

Ward no	Units projected	Actual units constructed
5	500	221

2.3 EMadlangeni Sanitation

- A meeting held by the KZN sector Appraisal Committee (SAC) unconditionally recommended the eMadlangeni feasibility study/Technical report for implementation via MIG funding.
- A total amount of R 49 434 865 was requested to provide 5851 VIP sanitation facilities to eMadlangeni municipality.
- The duration of the project is expected to be 4 years, starting from the 2012/13 Fy.
- The database of emerging contractors was compiled via EOI that closed on the 8th February 2013.
- Project Implementation plan was approved by EXCO.
- A Service level agreement to be finalised by the 27 March 2013.
- Stratcon was appointed as an implementing urgent.
- 4 contractors were also appointed by Stratcon, and they are on site.
- Stratcon has procured and delivered material for 2000 units onsite.
- They completed 1690 units.

Ward No.	No of units to be constructed	No. units constructed
1	1763	659
2	449	244
3	1340	387

4	2299	472
TOTAL	5851	1762

2.4 Rural Road Asset Management System

Total grant amount of R 2 020 000.00 was received from the Department of Transport, this grant fund is aimed at assisting District municipalities conduct visual assessments of the condition of all rural roads and bridges within the district.

Shama Consulting Engineers contract was terminated and GIBB Consultant was appointed to implement this program for this financial year.

Progress

- Revised business plan has been completed.
- Shama has appointed 6 interns to be capacitated, and to oversee the implementation of this project.
- Interns underwent an accredited training, and were provided with all equipment required to undertake the project.
- Visual road/bridge assessments are ongoing, no challenges have been reported to date.
- A desk top study of our entire road network has been completed.
- 100% of the road network within Newcastle LM has been assessed, equivalent to 40% of district road network.
- Visual assessments have begun in Dannhauser and they are now 60% complete.
- Traffic count in Newcastle area has been completed.
- Traffic counting in Dannhauser to proceed by the 1st week of September 2013.

Challenges

Consultant is failing to monitor the interns effectively.

Project progress is very slow.

Way forward

There has been improvement in progress.

A turnaround strategy was formulated.

Consultant is meeting targets set on the turnaround strategy.

They have completed all visual road assessments and traffic counts.

3 Construction of Disaster Management Centre

Cogta has made available an amount of R6.5mil for Amajuba DM to initiate this project.

Progress to Date

- A Project team visited Nelspruit Disaster Management Centre, to get better understanding of the requirements of facility.
- It was decided that the facility be constructed to the site adjacent to Amajuba DM offices.
- Ramgoolam and Associates were appointed to oversee the implementation of this project.
- Business plan has been completed and submitted to COGTA.
- Surveys, and Geotechnical investigations are 100% complete.
- Draft BOQ is 100% complete.
- Environmental Impact Assessment is 100% complete
- Layout Design drawings were presented to Exco and council for their approval.
- Preliminary drawings were submitted to Newcastle LM for their approval.
- Business plan has been submitted to various possible funders including MIG.

Way forward

- The project is on bid evaluation committee after tender was advertised.

4 PROJECT LIST

AMAJUBA ENGINEERING PROJECTS								
Locality	Funders name	Project Name	Status	Number of beneficiaries (households)	Planned 2012-2015	Total Approved Funding	Expenditure (work certified) to Date (VAT Exclusive)	Expenditure (work certified) to Date (VAT Inclusive)
					JOB CREATION			
Local municipality					EPWP			
Newcastle LM	DSR	Osizweni sports ground	Implementation	5 841	97	R 2 100 000	R 1 955 000	R 2 228 700
Dannhauser LM	LOTTO FUND	MWIG: Emadlangeni Rural Water Supply	Planning			R 10 484 000	R 0	R 0
Emadlangeni	LOTTO FUND	ACIP: Tweediedale WWTP	Complete			R 1 120 000	R 982 456	R 1 120 000
Newcastle LM	LOTTO FUND	NTRS: Dsannhauser WTW	Planning			R 1 500 000	R 740 209	R 843 838
Amajuba DM	Public works	EPWP Incentive Grant : Annandale	Implementation	22 439	120	R 2 000 000	R 1 880 798	R 2 144 110
Amajuba DM	DOT	Rural Roads Asset Management grant	Implementation	22 439	0	R 3 864 128	R 2 692 304	R 3 069 227
Newcastle eMadlangeni Dannhauser	COGTA-massification funds	The Electrification of Emadlangeni Boreholes	Complete	32 000	0	R 396 600	R 333 181	R 379 826
Emadlangeni	COGTA-massification funds	Feasibility Study towards Emadlangeni Household Sanitation project	Complete	5 194	0	R 581 400	R 510 000	R 581 400
eMadlangeni	COGTA-massification funds	Emadlangeni Rural Water Supply Phase 1 (Development of water sources)	Implementation	5 194	0	R 1 000 000	R 610 686	R 696 182
Dannhauser LM	MIG	Buffalo flats ph 3	implementation	6 965	420	R 83 517 981	R 60 890 519	R 69 415 192
Dannhauser LM	MIG	Buffalo flats ph 2	implementation	5 159	25	R 34 800 553	R 29 659 971	R 33 812 368
Dannhauser LM	MIG	Buffalo flats Sanitation	Implementation	17 235	880	R 141 559 111	R 56 061 401	R 63 909 996
	MIG	Emadlangeni Sanitation	Inception			R 49 434 865	R 14 672 499	R 16 726 649
	MIG	Re-furbishment of WWTP	Alternative funding NTRS		0	R 7 359 350	R 3 269 895	R 3 727 680
Emadlangeni	MIG	Water resources ph 1/	Alternative funding MWIG	5 126	120	R 13 380 000	R 929 605	R 1 059 750
Emadlangeni	DWA	Groundwater Re-furbishment	Implementation	1 036	6	R 1 000 000	R 687 462	R 783 707
Emadlangeni	DWA	Emadlangeni Bulk line	Complete	9 826	40	R 49 950 000	R 42 512 315	R 48 464 039
Dannhauser LM	DWA	Re-furbishment of Durmacol WWTP	Implementation	620	8			
Dannhauser LM	DWA	Re-furbishment of Durmacol WWTP	Implementation	620	10	R 8 360 000	R 7 510 818	R 8 562 333
Emadlangeni	DWA	Re-furbishment of Welgedacht WWTP	Implementation	266	6			
Emadlangeni	DWA	Borehole prog : NTRS	Implementation	69	12			
		Utrecht Ponds	Implementation			R 550 000	R 449 281	R 512 180
		Emafuseni WCWDM	Complete			R 4 000 000	R 3 508 490	R 3 999 679
		NDH WCWDM	Planning			R 4 000 000	R 3 379 554	R 3 852 692
All	COGTA	COGTA Maintenance Grant Ph1	Implementation		0	R 1 630 000	R 877 710	R 1 000 589
		COGTA Maintenance Grant Ph2	Planning			R 2 870 000	R 574 454	R 654 878
					1 832			

AMAJUBA ENGINEERING PROJECTS

Locality	Funders name	Project Name	Status	Total Project Approved Funding	Roll-overs 2011/12	Funds Received 2011/12	Expenditure 2011/12	Roll-overs 2012/13	Funds Received 2012/13	Expenditure 2012/13	Roll-overs 2013/14 (subject to approval)	Funds Received 2013/14	Expenditure 2013/14	
Newcastle LM	DSR	Oziweni sports ground	Inception -Project started	R 2 100 000		R 1 050 000	R 0	R 1 050 000	R 1 050 000	R 1 744 000	R 356 000		R 211 000	
Amajuba DM	Public works	EPWP INCENTIVE JOB Creation programme	planning	R 2 000 000	R 411 000	R 799 000	R 0	R 0	R 1 000 000	R 537 699	R 462 301	R 700 000	R 1 343 099	
Amajuba DM	DOT	Rural transport and Inf grant	Implementation	R 3 864 128		R 382 128	R 635 200	-R 253 072	R 1 776 000	R 1 548 683	-R 25 755	R 1 706 000	R 508 421	
Newcastle eMadlangeni Dannhauser	COGTA-massificati on funds	The Electrification of Emadlangeni Boreholes	Complete	R 396 600			R 0			R 333 181	R 63 419		R 0	
Emadlangeni	COGTA-massificati on funds	Feasibility Study towards Emadlangeni Household Sanitation project	Complete	R 581 400	R 1 978 000	R 0		R 1 468 000	R 0		R 0		R 71 400	R 0
eMadlangeni	COGTA-massificati on funds	Emadlangeni Rural Water Supply Phase 1 (Development of water sources)	Implementation	R 1 000 000			R 0			R 345 482	R 654 518		R 265 204	
Dannhauser LM	MIG	Buffalo flats ph 3	implementation	R 83 517 981			R 13 314 251			R 11 236 089			R 3 013 267	
Dannhauser Lm	MIG	Buffalo flats Sanitation	Implementation	R 88 936 996		R 41 211 000	R 2 631 579	R 13 042 000	R 49 992 000	R 29 882 893	R 5 468 654	R 28 880 000	R 23 546 929	
	MIG	Emadlangeni Sanitation		R 49 434 865			R 0			R 10 067 620			R 4 604 879	
Emadlangeni	DWA	Groundwater Re-furbishment	implementation	R 1 000 000		R 1 000 000	R 474 331	R 525 669	R 0	R 213 131	R 312 538		R 0	
Emadlangeni	DWA	Emadlangeni Bulk line	implementation	R 49 950 000	R 53 950	R 9 131 100	R 9 310 481	-R 125 431	R 4 517 915	R 5 054 774	-R 662 290		R 0	
Dannhauser LM	DWA	Re-furbishment of Durmacol WWT	Inception stage	R 2 648 660										
Dannhauser LM	DWA	Re-furbishment of Durmacol WWTP	Inception stage	R 2 066 119					R 8 360 000	R 6 537 571	R 1 822 429		R 973 247	
Emadlangeni	DWA	Re-furbishment of Wedgedacht WWTP		R 2 145 221										
Emadlangeni	DWA	Borehole prog : NTRS	Inception stage	R 1 500 000										
		Ulrecht Ponds		R 550 000				R 0	R 550 000	R 449 281	R 100 719			
		Emafuseni WCWDM	Inception stage	R 4 000 000				R 0	R 4 000 000	R 3 508 490	R 491 510			
		NDH WCWDM		R 4 000 000					R 4 000 000	R 320 000	R 3 680 000		R 3 059 554	
All	COGTA	COGTA Maintenance Grant Ph1	Inception stage	R 1 630 000		R 1 630 000	R 0	R 1 630 000		R 877 710	R 752 290			
		COGTA Maintenance Grant Ph2		R 2 870 000					R 2 870 000	R 0	R 2 870 000		R 574 454	
		MWIG: Emadlangeni Rural Water Supply		R 10 484 000									R 4 173 000	
		ADP: Tweediedale WWTP		R 1 120 000						R 982 456	-R 982 456	R 1 078 106	R 0	
		NTRS: Dannhauser WWTP		R 1 500 000								R 1 050 000	R 740 209	
				R 376 960 873	R 6 558 950	R 55 438 957	R 33 696 253	R 20 688 803	R 78 742 628	R 74 318 369	R 19 413 626	R 37 587 106	R 38 840 262	

