

2016/17 Bulk Infrastructure Monthly Report

Annexure C1

Municipality: [Kareeberg]		Contact Person		A van Schalkwyk	
Municipality No: NC074		Tel Number		0533823012	
Month: May 2017		Fax Number		0533823142	
Upgrading of network Riverside, Camarovn					
Bulk Project name	New Bulk	Upgrade	X	Refurbishment	
Bulk Project type	Start date	2016-10-17	Target Finish date	30-Jun-17	
Project Duration	Month				
	Municipality Approval	Transferred Capital	Actual Capital Expenditure	% Variance	% Variance
		1000000	21808,98	0%	537692,04
Project status In %					
1. Pre Engineering	100%				
2. Design	100%				
3. Procurement	100%				
4. Construction Stage					
4.1. Civil Works	28%				
4.2. Steel Work	0%				
4.3. Primary stage	0%				
4.4. Secondary Stage	0%				
4.5. Poles	0%				
4.6. Stringing of lines	0%				
5. Commissioning	0				
6. Close-up	0				
Variance Explanation					
Month:	New contractor will start during May on next phase				Corrective action to be taken to bring the project back to schedule
Capital	537692,04				The first contractor finished his part of the work and we advertised again. The second contractor will start during May
Project Work					

NB:	Please attach supporting documentation, invoices and bill of materials purchased
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Explanatory Notes:

Municipality: New Municipality Name
Municipality Number: New Municipality Number
Transferred Capital and Planned Connections: As per approved project details attached in letter for the month and year to date
Actual Capital Expenditure and Connections Completed: Actual for the month and year to date
%Variance: Enter the percentage variance for the month of reporting
Project: Enter Project Name
Enter the project approval status
Pre-Engineering: Pre-engineering percentage progress
Design: Project design stage in percentages
Procurement: The status of the project in the procurement process in percentages
: Please attach supporting documents : invoices and list of bill of materials purchased
Construction: The Project construction progress in percentages
Commissioning: Project commissioning progress in percentages
Close-up: Has the project being officially closed?
Variance Explanation: State reasons for variance and corrective action taken or to be taken to bring the project back to schedule
Close-up: Has the project being officially closed?
Variance Explanation: State reasons for variance and corrective action taken or to be taken to bring the project back to schedule

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	Targets
BEE/SMBE/WBQ	50%
Temporary Employment	100%
Permanent Employment	10%
Women Employed	30%
Disabled People employed	2%
Youth Employed	50%
Other Employment	15%
Minimum Daily Wage Rate	R76.48

Municipal Manager Signature: *Don Schubert* Date: *11/1/2011*

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BULK INFRASTRUCTURE CHECKLIST				
1.Pre Engineering check list	YES	NO	%	N/A
Has EIA(Enviroment Impact Assessment) completed for substation				x
2.Design				
Has designs and drawings been completed	x		100	
3.Procument				
Has procument of materials been advertised on tender		x		
Has the materials already been supplied by the supplier	x			
Has the materials already been supplied by the supplier	x			
4.CONSTRUCTION				
4.1. Civil Works stage				
Is Control room completed				x
Earth grid installed in accordance with substation requirements				x
Cable trenches completed				x
All foundation neatly finished				x
Has Cable trenching been completed				x
Cable trenches covers fitted				x
Is Structure foundation completed				x
Is transformer bay foundation completed				x
Yard stone completed				x
Is substation fence installed and earthed				x
Gates lockable				x
Is Fire protection and oil drainage completed				x
Is Fire extiquishers installed				x
Is warning signs and notices installed				x
4.2. Steelwork stage				
Is all Steelwork structure complete				x
Is all Steel structures levelled and straight				x
Beams correctly installed				x
Steelwork correctly assembled				x
Is all steel structures galvanised				x
Is substation equipment grounded :Steel structure				x
4.3. Primary plant Stage				
Is power transformers installation complete				x
Is auxillary transformer installation complete				x
Is current transformers installation complete				x
Is circuit brakers installation complete				x
Is voltage transformers installation complete				x
Is airbreak switches installation complete				x
Is Isolators / Earthswitches Installation complete				x
Is Busbars installation complete				x
Is Insulators installation complete				x
Is substation equipment grounded :Transformers				x
Is metal-clad switchgear installation complete				x
Is substation equipment grounded : Metal -clad Switchgear				x
Is installation of high voltage cables completed				x

Contractor supplied self

4.4.Secondary plant stage	YES	NO		N/A
Is Panels installed				x
Is secondary wiring from primary plant to feeder panels installed				x
Is panel wiring and cable check completed				x
Is protection relays installed				x
Is metering meters installed				x
Is Battery charger installed				x
Telecontrol (SCADA) equipment installed				x
4.4. Poles				
Is excavations for poles pit completed	x		100	
Is planting of poles completed	x		100	
Is numbering of poles completed				x
4.5. Stringers and Droppers stage				
Is overheadlines installed on a registered servitude				x
Is Stringing of lines and droppers completed	x		100	
Is sag and tention of line correct	x		100	
Is tension of droppers correct	x		100	
Is all electrical clearence correct	x		100	
Is ground clearence according to specification	x		100	
Bird diverters or protection installed				x
Aircraft warning installed				x
5. Commissioning stage				
Have all lights,plugs inspected and tested certificate of compliance issued				x
Has power transformers been tested				x
Has Ccuit brakers been tested	x		100	
Voltage transformers been tested				x
Current transformers been tested				x
Has the High Voltage cable been tested				x
Auto reclosers been tested				x
Isolators/Earthswitches been tested				x
Metal-clad switchgear been tested				x
Has protection settings correctly applied to relays				x
Protection relays been tested				x
Has programmable meters been programmed accordingly				x
Metering equipment been tested and calibrated				x
Telecontrol (SCADA) been tested				x
Battery charger been tested				x
Is phasing been completed				x
All feeders correctly labelled				x
Has substation drawings updated before make alive				x
Has handover certificates, commissioning documents for service been done		x		
Has substation made alive been done				x
Comment:				



BULK INFRASTRUCTURE CHECKLIST 2nd phase starting May				
1.Pre Engineering check list	YES	NO	%	N/A
Has EIA(Enviroment Impact Assessment) completed for substation				x
2.Design				
Has designs and drawings been completed				
3.Procument				
Has procument of materials been advertised on tender				
Has the materials already been supplied by the supplier				
Has the materials already been supplied by the supplier				
4.CONSTRUCTION				
4.1. Civil Works stage				
Is Control room completed				
Earth grid installed in accordance with substation requirements				
Cable trenches completed				
All foundation neatly finished				
Has Cable trenching been completed				
Cable trenches covers fitted				
Is Structure foundation completed				
Is transformer bay foundation completed				
Yard stone completed				
Is substation fence installed and earthed				
Gates lockable				
Is Fire protection and oil drainage completed				
Is Fire extiquishers installed				
Is warning signs and notices installed				
4.2. Steelwork stage				
Is all Steelwork structure complete				
Is all Steel structures levelled and straight				
Beams correctly installed				
Steelwork correctly assembled				
Is all steel structures galvanised				
Is substation equipment grounded :Steel structure				
4.3. Primary plant Stage				
Is power transformers installation complete				
Is auxillary transformer installation complete				
Is current transformers installation complete				

Is circuit breakers installation complete				
Is voltage transformers installation complete				
Is airbreak switches installation complete				
Is Isolators / Earthswitches installation complete				
Is Busbars installation complete				
Is Insulators installation complete				
Is substation equipment grounded : Transformers				
Is metal-clad switchgear installation complete				
Is substation equipment grounded : Metal -clad Switchgear				
Is installation of high voltage cables completed				
4.4.Secondary plant stage	YES	NO		N/A
Is Panels installed				
Is secondary wiring from primary plant to feeder panels installed				
Is panel wiring and cable check completed				
Is protection relays installed				
Is metering meters installed				
Is Battery charger installed				
Telecontrol (SCADA) equipment installed				
4.4. Poles				
Is excavations for poles pit completed				
Is planting of poles completed				
Is numbering of poles completed				
4.5. Stringers and Droppers stage				
Is overheadlines installed on a registered servitude				
Is Stringing of lines and droppers completed				
Is sag and tension of line correct				
Is tension of droppers correct				
Is all electrical clearance correct				
Is ground clearance according to specification				
Bird diverters or protection installed				
Aircraft warning installed				
5. Commissioning stage				
Have all lights,plugs inspected and tested certificate of compliance issued				

Has power transformers been tested				
Has Circuit breakers been tested				
Voltage transformers been tested				
Current transformers been tested				
Has the High Voltage cable been tested				
Auto reclosers been tested				
Isolators/Earthswitches been tested				
Metal-clad switchgear been tested				
Has protection settings correctly applied to relays				
Protection relays been tested				
Has programmable meters been programmed accordingly				
Metering equipment been tested and calibrated				
Telecontrol (SCADA) been tested				
Battery charger been tested				
Is phasing been completed				
All feeders correctly labelled				
Has substation drawings updated before make alive				
Has handover certificates, commissioning documents for service been done				
Has substation made alive been done				
Comment:				
Contractor appointed. Start to work.				