


## 2017/18 Bulk Infrastructure Monthly Report

 energy Department of Energy REPUBLIC OF SOUTH AFRICA	Municipality:	KAREEBERG	
	Municipality No:	NC074	
	Month:	November 2017	
Project name	Upgrade of network in Carnarvon-dorp		
Project type	Substation	Line	
	Size/Capacity (MVA)	Length (km)	
	New	New	
Project category	Upgrade	Upgrade	X
	Refurbishment	Refurbishment	
Project Duration	Start date	28-Jan-20	28-Feb-18
		Month	
	Approved Budget	Transferred Capital	% Variance
	R 1 000 000,00	R -	R 53 532,48
			-53532%

Please  
tick  
relevant  
cells

Contact Person	A van Schalkwyk
Tel Number	053 382 3012
Fax Number	053 382 3142
email address	kareeberg@xsinet.co.za

Year To Date		
Transferred Capital	Actual Capital Expenditure	% Variance
R 1 000 000,00	R 115 444,28	884556%

Actual Capital Expenditure % (YTD)

#DIV/0!

Actual Capital Expenditure % (Month)

#DIV/0!

Main Project stages	Overall status	Milestones	Project Plan	Actual Status in %
Planning, Design and Procurement	33%	Pre Engineering	15-Sep-17	100%
		Design	20-Oct-17	0%
		Procurement	30-Nov-17	0%

SUBSTATION	#DIV/0!	Civil Works	
Construction/Execution		Steel Work	
		Primary stage	
		Secondary Stage	

LINE	0%	Trenching	
Construction/Execution		Poles	20-Jan-18
		Stringing	20-Jan-18

OVERALL PROJECT STATUS	25%	Commissioning	
		Close-up	

Variance Explanation (Reporting Month)	Reasons for variance (where variance is not equal to zero)		Corrective action to be taken to bring the project back to schedule (action to be taken to address reasons for variance)
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Capital (Financial)			
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Project Work (Technical)			
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NB:	Please attach supporting documentation, invoices and bill of materials purchased		
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**2017/18 - BULK INFRASTRUCTURE REPORTING TEMPLATE - Monthly register of workers on projects**

Month of report	November 2017
Project Name:	Upgrading of network Camarvon-
Project Number:	
Project Type:	Households
Source of Funding	DoE
Province:	
Total Project Expenditure for month:	
Physical Outputs:	
Contractor's Name:	
CIPRO company registration number	
Type of contractor	
Contract Number:	
Invoice Number:	
Project Start Date:	1-20-2018
Project End Date:	2-28-2018
Certified by Project Manager:	
Date of certification:	2018-12-06

*Note: Must be unique name (Don't use the same name for two projects)*

*Note: Must be unique number (Don't use the same number for two projects)*

*Note: (Households, schools or bulk infrastructure)*

*Note: (Department of Energy, Eskom, Municipality, Donor, etc)*

*Note: (for Eskom, do not use regions)*

*Note: Invoice or contract amount, only enter value, no leading R*

*Note: (Km's line, no of Trfm's, connections etc)*

*Note: whether BEE, BWO or SMME*

NATIONAL TARGETS		
Total number of Jobs	7, 920	
BEE/BWO/SMME 50% of amount allocated		
Temporary employment (80%)	6, 336	
Permanent employment (20%)	1, 584	
Youth (18 to 35yrs) Employment (50%)	3, 960	
Women (35 yrs and above) Employment	2, 376	
Employment of people with disability (2%)	158	
Men (36 yrs and above) Employment (18%)	1, 426	

Minimum daily wage (see guidelines)		
Categories of Municipality	Wages per hour	Wages per day
A	R 10.68	R 85.44
B	R 9.42	R 75.36
C	R 8.70	R 69.60

**KAREEBERG MUNICIPALITEIT**  
**RECEIVED**

Municipal Manager's Signature: Alan S. Kelly.....  
 Date: .....  
 By: .....  
 Official Municipal Stamp: .....  
 2017-12-06

Employment and Training		CARNARVON 8925		Total wages for the Month		Total training days		Accredited or non-accredited		Name of training provided	
First Name	Last Name (Surname)	ID Number	Gender (Male-M) (Female-F)	Has Disability (Yes-Y) (No-N)	Type of job	Number of days worked	Daily Wage				
			Total Male:0 Female:0	Total Yes:0 No:0	Excavators, General Worker, Learnership, Electrician, CLO etc	0		0	0		

### Annexure C

BULK INFRASTRUCTURE CHECKLIST				
1.Pre Engineering check list	Complete	Not complete	Not Applicable	% status
Environmental Impact Assessment (EIA)				
2.Design				
Preliminary designs and drawings				
Final designs and drawings				
3.Procument				
Procurement of service providers				
Procurement of materials				
Delivery of materials				
4.CONSTRUCTION				
4.1. Civil Works stage				
Site preparation and surface levelling				
Installation of earth mat				
Construction of control room				
Cable trenches and foundations				
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 extinguishers installed				
Is warning signs and notices installed				
4.2. Steelwork stage				
Is all Steelwork structure complete				
Is all Steel structures leveled and straight				
Beams correctly installed				
Steelwork correctly assembled				
Is all steel structures galvanized				
Is substation equipment grounded: Steel structure				
4.3. Primary plant Stage				
Is power transformers installation complete				
Is auxiliary 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				

<b>4.4.Secondary plant stage</b>				
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				
<b>4.4. Poles</b>				
Is excavations for poles pit completed				
Is planting of poles completed				
Is numbering of poles completed				
<b>4.5. Stringers and Droppers stage</b>				
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				
<b>5. Commissioning stage</b>				
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 labeled				
Has substation drawings updated before make alive				
Has handover certificates, commissioning documents for service been done				
Has substation made alive been done				
<b>Comment:</b>				