



2017/18 Bulk Infrastructure Monthly Report

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BULK INFRASTRUCTURE - Annexure C

Please tick relevant cells

Project name	Upgrade of network in Carnarvon-dorp			
Project type	Substation	Line	Length (km)	
	Size/Capacity (MVA)	New	Upgrade	
Project category	Refurbishment	Refurbishment	Target Finish date	
Project Duration	Start date	Month	Actual Capital Expenditure	% Variance
	Approved Budget			
	R 1,000,000.00	R	R	0%

Actual Capital Expenditure % (Month)

#DIV/0!

Actual Capital Expenditure % (YTD)

#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	0%
		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)			
Capital (Financial)	Corrective action to be taken to bring the project back to schedule (action to be taken to address reasons for variance)			
Project Work (Technical)				

NB:	Please attach supporting documentation, invoices and bill of materials purchased			
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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.Procurement				
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 really 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				

4.4.Secondary plant stage				
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 labeled				
Has substation drawings updated before make alive				
Has handover certificates, commissioning documents for service been done				
Has substation made alive been done				
Comment:				

2017/18 - BULK INFRASTRUCTURE REPORTING TEMPLATE - Monthly register of workers on projects

Month of report	Sep-17
Project Name:	Upgrading of network Camarvan-
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:	06-10-2017

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 Trfmr's, connections etc)

Note: whether BEE, BWO or SMME

NATIONAL TARGETS	
Total number of Jobs	7,920
BEE/BWO/SMME expenditure	50% of amount allocated
Temporary employment (80%)	6,336
Permanent employment (20%)	1,584
Youth (18 to 35yrs) Employment (50%)	3,960
Women (36 yrs and above) Employment	2,376
Employment of people with disability (2%)	156
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

yyyy-mm-dd

yyyy-mm-dd

Note: Name of Project Manager

yyyy-mm-dd

Municipaliteit/Municipality
Postbus 10 / PO Box 10
CARNARVON, 8925

Official Municipal Stamp:

Date: 2017.10.06

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