

INFRASTRUCTURE AND DEVELOPMENT

1. INTRODUCING THE DEPARTMENT

Mandate of the Department

- To provide Municipal Services like water services, sanitation services, roads, storm-water, parks, cemeteries and related public works facilities, on a cost effective and sustainable manner to communities;
- To operate and maintain these services in line with the objectives of the Municipality as a whole.
- To ensure that every inhabitant has access to efficient and decent services like clean, potable water, decent sanitation services, effective refuse removal services, etc.
- To provide a friendly, swift and reliable service to the public.

Key Performance Areas

This Department is primarily involved in working towards the Key Performance Area : **Good Infrastructure and Development**. This is achieved through the following objectives :

Water and Sanitation :	Water infrastructure managed and maintained to provide a Level of service to customers in accordance with National Guidelines and to ensure safe drinking water for all. Sanitation infrastructure managed and maintained properly in order to provide adequate and efficient services to customers, at the same time ensuring that there is no negative impact on the environment.
Water Resources :	Water resource management in a sustainable and environmentally acceptable manner to ensure that the water requirements are met for current and future needs.
Streets, Storm Water :	Proper, cost effective maintenance of existing street, storm Water and pavement infrastructure, upgrading of gravel streets to paved streets, and a reliable storm water system is in place and maintained.
Electricity :	To provide a quality, safe environmentally friendly and continuous supply of electricity to all the consumers in the Siyancuma area of supply, by effectively managing and maintaining an electrical infrastructure that will ensure the provision of effective and efficient services to customers by the Electro Technical Services Directorate.
Planning :	Planning of civil infrastructure to fulfill the future demands and ensuring sustainable growth.

Other focus areas are parks, cemeteries and other related public works facilities.

Sewerage and Sanitation

60,2 % (5766 households) in Siyancuma has access to sanitation. However, the backlog for sanitation still stands at 3812. The demand for sanitation in recently formalized areas needs to be addressed as a priority.

- All buckets in pre-1994 areas of Griekwastad, Bongani and Breipaal has been eradicated.
- Full water borne sanitation was constructed in Schmidtsdrift, but the sanitation system will only be operational once the Water Treatment Works is constructed and housing structures completed.
- In Campbell, the community don't want the UDS System. A MIG Business Plan for the upgrading of the Dry Sanitation System in Campbell as well as the construction of Oxidation Ponds was submitted to the DWA. A project for the construction of internal Services in Campbell are currently underway.

The following day to day services are provided :

- Maintain 5 sewer pump stations.
- Provisioning of sewer systems.
- Ensuring system is functional and effective.
- Installation of new house connections.
- Opening of sewer blockages.
- Repairing of sewer line breakages and manholes.

Water

95,11 % (9109 households) in Siyancuma has access to drinking water. However, the backlog for water still stands at 2620. The demand for water in recently formalized areas needs to be addressed as a priority.

The following day to day services are provided :

- Purify water according to SANS 241:2006.
- Ensure water of a good quality is provided to the consumer.
- Installation of new house connections.
- Installation of standpipes in un-serviced areas.
- Maintenance of water pipelines.
- Replacement of sluice valves.
- Replacement of water meters.

Electricity

82,19 % (7827 households) in Siyancuma has access to electricity. However, the backlog for electricity still stands at 1751, mostly in the farming areas which falls under Escom's jurisdiction.

The following day to day services are provided :

- Safe and efficient operation, control and maintenance of low voltage lines.
- Plan, manage and construct smaller operational construction works.
- Maintenance and repair of substations and other electro-mechanical equipment.
- Do cable location and cable fault location.
- Manage networks to optimize system losses and maintain network stability.

- Render comments and set requirements with regard to requests for new developments, subdivisions and industrial connections.
- Liaise with consulting engineers, where necessary.
- Effectively maintain, upgrade and install street lights on sidewalks, lanes and walkways to enhance the safety and security in areas.
- 24 hour fault finding, repair and maintenance of electrical equipment at all municipal pump stations and water- and sewerage treatment plants.

2011-2012 Annual Report Highlights – Infrastructure Projects

MIG Allocation

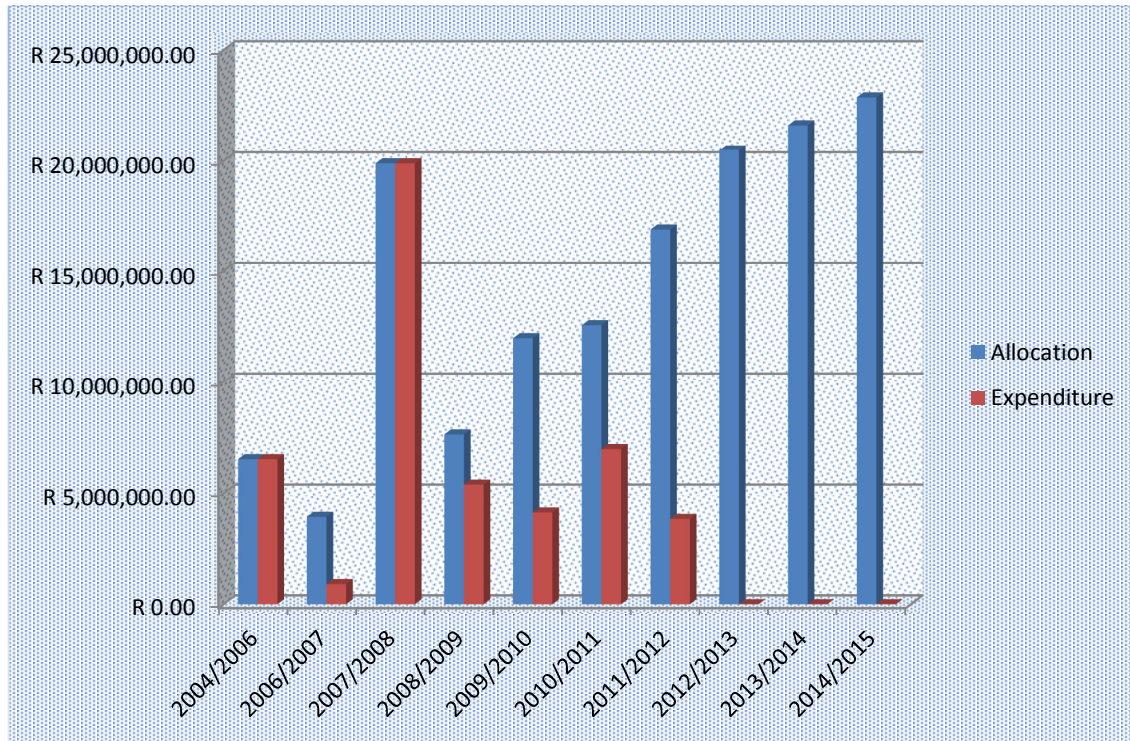
The municipality has been a recipient of the MIG for the improvement of the infrastructure within the various towns and locations of Siyancuma. The Municipal Infrastructure Grant is a conditional grant allocated by government to municipalities guided by the national Treasury regulations on the use of conditional grants. Of importance is the fact that MIG funds must:

- Be spent within the financial
- All compliance reports must be submitted
 - Monthly
 - Quarterly
 - Annually
- Cannot be used for anything else other than approved projects
- Must meet all DORA requirements

The MIG allocation for the municipality since 2004 and the spending is summarized in the table below:

Financial Year	Allocation	Stopped Funds	Expenditure	%
2004/2006	R 6,532,441.00		R 6,532,441.00	100%
2006/2007	R 3,902,378.00	R 3,000,378.00	R 902,000.00	100%
2007/2008	R 19,893,167.97		R 19,893,167.97	100%
2008/2009	R 7,639,301.36	R 1,084,301.36	R 5,396,246.18	86%
2009/2010	R 11,989,301.36		R 4,096,384.32	34%
2010/2011	R 12,567,000.00		R 6,983,970.07	55.57 %
2011/2012	R 16,910,000.00		R 3,809,840.47	22.53%
2012/2013	R 20,513,000.00		-	0%
2013/2014	R21,639,000.00		-	0%

2014/2015	R22,890,000.00	-	0%
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The municipality has not performed well in MIG expenditure due to the slow implementation of projects. In the 2011/2012 financial year the municipality managed to spend 22% of the annual allocation.

MIG Projects

The municipality continued to implement MIG projects within the financial year focusing on the elimination of water and sanitation backlogs. The focus area was Schmidtsdrift, a restitution area located to the North of the municipality. Schmidtsdrift comprises of Zones 1 to Zone 5. Zones 1 to 3 are farm areas which are predominantly rural. Zones 4 and 5 have formalised stands even though the area remains rural. Zone 4 has 600 formalised stands and Zone 5 has 200 stands. Within the Schmidtsdrift area the municipality is still implementing projects which comprised the construction of the Schmidtsdrift Oxidation and the Schmidtsdrift Bulk Water Supply.

Furthermore, the municipality completed the Douglas Bulk water main from Bongani to Breipal for the augmentation of the water supply system to Breipal and Douglas town. This will assist the municipality in the provision of water to stands within Breipal and to ensure a regular water supply to Breipal. The municipality also completed the Douglas Bucket Eradication Project by completing the Breipal phase of the project which then finalised the bucket eradication in the Northern Cape.

The table below summarises the projects implemented during the financial year and the phase of the project

Project	Budget	Expenditure	Project Phase	Targeted Backlog	Backlogs Eradicated
Schmidtsdrift Oxidation Ponds	R 11 621 787.00	R 10 700 498.91	Completion	400	400
Schmidtsdrift Bulk Water Supply	R 44 777 521.00	R 1 603 520.16	Design	800	-
Douglas Water Main	R 6 344 733.00	R 4 765 892.78	Completion	3465	-
Douglas Sanitation Project	R 15 179 692.80	R 10 583 476.66	Defects Liability	330	330
Upgrading of Gravel Roads in Siyancuma	R 64 017 696.00	-	Design	23.196 km	-

MIG Challenges

The MIG program remains behind schedule due to a number of reasons. The main challenge is the project implementation pace which is affected by the Geotechnical attributes of the Northern Cape. A lot of blasting must take place due to the hard rock in most townships. Furthermore, financial need for a project like the Schmidtsdrift Bulk Water supply requires planning a project over two financial years to have sufficient budget for the project. This will also affect the upgrading of gravel roads project which shall also be phased over two or three financial years.

Other Projects

Project	Estimated Cost	Status
Douglas Waste Water Treatment Works	R 4,537,816	Registration
Douglas Water Treatment Works	R 7,581,648	Registration
Campbell Oxidation Ponds	R 41,735,717	Registration for Feasibility Study
Upgrading of Douglas Solid Waste Site	R 4,716,498	Registration for Feasibility Study

Upgrading of Griekwastad Landfill Site	R 3,291,392	Registration for Feasibility Study
Establishment of New Campbell Landfill Site	R 4,882,886	Registration for Feasibility Study
Establishment of New Schmidtsdrift Landfill Site	R 4,882,886	Registration for Feasibility Study
Upgrading of the Water Supply Systems of Griekwastad and Campbell	R 10,991,654	Registration for Feasibility Study

Electrification Projects

The municipality also implemented the following Electrification Projects in Douglas:

Project	Phase 1 2009/2010	Phase 2 2010/11	Phase 3 2011/12	Phase 4 2012/13	Total
Breipal - Campbell Plakkers	125	67			192
Breipal - Dalton Plakkers		89	130		219
Breipal - Weslaan				49	49
Breipal - Poppie Avenue				19	19
Breipal - Madibas				18	18
Bongani - Riemvasmaak	63	84	100		247
Bongani - Phomolong	31				31
TOTAL	219	240	230	89	778

Other Electrification Projects

An allocation of R2, 600,000.00 for 2013/14 has been made by the Department of Energy for the electrification of Schmidtsdrift Zone 5. The municipality further requested for funds for the augmentation of the Bongani Electricity Bulk Supply as well as electrification of the remaining Bongani New Plaakers area (367), the Artherton Plakkers area (65), and Griekwastad New Vaalblock Plakkers (517).

Housing and Services Projects

The municipality continued to provide residents with subsidy housing and the provision of infrastructure in un-serviced areas. The Schmidtsdrift 100 houses project, on-going since January 2010 was still under implementation and the houses were completed within the financial year and handed over in January 2012. The Campbell 196 Services Project also commenced during the year and is still under implementation. Furthermore, the Bongani 150 Project with first 80 houses funded, also commenced in February 2012. In Summary the following projects were targeted for implementation within the financial year:

Project	Budget	Project Phase	Targeted Backlog	Backlogs Eradicated
Schmidtsdrift Construction of 100 Houses	R 5 545 045.80	Completion	100	100
Bongani Construction of 150 Houses (1 st 80 funded)	R 4 964 528.00	Implementation	150	-
Campbell Construction of Services	R 5 988 323.10	Implementation	196	-

Other Housing Projects

The municipality further received an allocation of 50 Houses to be constructed in Siyancuma. It is expected that the implementation of the 50 houses shall be done in the last quarter of the 2012/2013 financial year. An allocation of 84 disaster houses was also advised by the Department of Human Settlements. The houses shall be constructed in Breipal and it is expected that construction shall commence in the last quarter of the 2012/2013 financial year.