





cooperative governance  
and traditional affairs  
Department of Cooperative Governance  
and Traditional Affairs  
**FREE STATE PROVINCE**

The Municipal Manager  
Matjhabeng Local Municipality  
PO Box 708  
Welkom  
9460

REF/VERW                      MIG/FS1243/W/18/19  
ENQUIRIES/NAVRAE        BW Scholtz  
E-Mail                        [bertus@fscogta.gov.za](mailto:bertus@fscogta.gov.za)  
                      086 543 3208  
                      051-407 6774

Mr. TE Tsoaeli

**MUNICIPAL INFRASTRUCTURE GRANT: REGISTRATION OF PROJECT:  
MATJHABENG LOCAL MUNICIPALITY: MIG/FS1243/W/18/19:  
THABONG EXTENSION 20 (HANI PARK): EXTENSION OF WATER NETWORK,  
HOUSE CONNECTIONS AND METERS FOR 180 STANDS (MIS: 283562)**

The above-mentioned project has been evaluated and registered as follows:

Total project cost:	R2,599,855.74.
MIG amount registered:	R2,599,855.74
Public sector amount registered:	0
Cost per household (Total):	R14,444.00
Cost per household (MIG):	R14,444.00
Number of households:	180

All the conditions as agreed upon by the Municipal Manager in the Project Registration Form must be adhered to as well as all sector conditions.

Yours faithfully

  
Mr. Mokete Duma

**HOD: COOPERATIVE GOVERNMENT AND TRADITIONAL AFFAIRS**

Date: 27/2/2018



## **water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Enquiries: G. Jaghlassian

Telephone: (012) 336-65-47

Reference: MIGF/Matjhabeng (Hani Park)

The Municipal Manager

### **MATJHABENG LOCAL MUNICIPALITY**

PO BOX 708

WELKOM

9460

### **TECHNICAL REPORT: MIG PROJECT (2017/2018)**

PROVINCE : FREE STATE

DISTRICT MUNICIPALITY : LEJWELEPUTSWA

LOCAL AUTHORITY : MATJHABENG FS184

LONGITUDE	26° 49' 18"
LATITUDE	27° 59' 13"

DESCRIPTION OF SCHEME : Extension of water network, house connections and meters for 180 stands in Thabong Extension 20 (Hani Park).

PROJECT REFERENCE NO. : N/A

TECHNICAL REPORT DATE : Aug 2017

DATE RECEIVED : Sep 2017

NUMBER OF PEOPLE SERVED : 180 stands

TOTAL COST OF SCHEME : R 2 599 855.74

MIG FUNDS ALLOCATED : R 2 599 855.74 incl VAT

EXISTING WATER SUPPLY : Existing infrastructure is as follows:

### **WATER SOURCE**

#### **Water Sources**

Sedibeng Water is the water service provider and supplies mainly the Goldfields region and the mines with water from the Vaal River, Bulkfontein near Bothaville and to a lesser extent from the Sand River. Main reservoirs are east of Allanridge, in Welkom, north and south of Virginia. Pump stations are located in the east of Allanridge and located at Virginia where purification plant exist.

**INTEGRAL COMPONENTS** : The project consists of the following:

The scope of work will consist of the following network components:

- Installation of approximately 2.5 km of pipes (approximately 90mm diameter uPVC pipes – class to be confirmed during detailed design),
- Installation of 180 household meters,
- 248 saddle clamps,
- Other related network fittings (bends, tees, reducers, etc.)
- 6 fire hydrants and
- 5 isolating valves

#### **COST ESTIMATE**

<b>1. SUPPLY AND LAY PIPES</b>				
<b>1.1 UPVC pipe</b>				
1.1.1 160mm	m	200	R 750.00	R 150,000.00
1.1.2 90mm	m	1500	R 450.00	R 675,000.00
1.1.3 75mm	m	163	R 380.00	R 61,940.00
1.1.4 50mm	m	117	R 270.00	R 31,590.00
1.1.5 25mm	m	50	R 130.00	R 6,500.00
<b>2. PIPE FITTING</b>				
<b>2.1 Gate Valve</b>				
2.1.1 90mm	No	4	R 1,000.00	R 4,000.00
<b>2.2 Concentric Flanged Reducer</b>				
2.2.1 50 x 90mm	No	120	R 300.00	R 36,000.00
2.2.2 75 x 90mm	No	4	R 350.00	R 1,400.00
2.2.3 90 x 160mm	No	4	R 605.00	R 2,420.00
2.2.4 25 x 50mm	No	120	R 75.00	R 9,000.00
<b>2.3 3 or 4 Segment</b>				
<b>90° Bend</b>				
2.3.1 90mm	No	15	R 315.00	R 4,725.00
<b>2.4 Equal Tee's</b>				
2.4.1 90mm	No	11	R 550.00	R 6,050.00
2.4.1 75mm	No	10	R 350.00	R 3,500.00
2.4.2 25mm	No	100	R 95.00	R 9,500.00
<b>2.5 Unequal Tee's</b>				
2.7.1 90mm x 160mm	No	4	R 750.00	R 3,000.00
2.7.2 75mm x 90mm	No	10	R 505.00	R 5,050.00
2.7.3 50mm x 90mm	No	100	R 455.00	R 45,500.00
2.7.4 25mm x 50mm	No	100	R 250.00	R 25,000.00
<b>2.6 Water Meters</b>				
2.6.1 25mm	No	180	R 2,500.00	R 450,000.00
<b>4 Site Establishment (15%)</b>	sum	1		R 235,151.25
<b>6. Contingencies</b>	10%			<b>R 180,282.63</b>
<b>7. Total Construction Cost</b>				<b>R 1,983,108.88</b>
<b>8. Professional fees</b>	15%			<b>R 297,466.33</b>
<b>9. Total Project Cost (Excl. VAT)</b>				<b>R 2,280,575.21</b>
<b>10. VAT 14%</b>				<b>R 319,280.53</b>
<b>11. Total Project Costs</b>				<b>R 2,599,855.74</b>

#### **LEGAL REQUIREMENTS:**

: The necessary environmental impact assessment, authorisation licence, permit application, rezoning and servitude in terms of the various acts must be applied for, where

applicable, before the construction of the project can commence.

GENERAL REMARKS:

During site inspection it was found that the existing 180 households have indoor bathrooms with water and sanitation installations "indoor plumbing", but not connected to the existing sewer network.

The Municipality has been requested to change the scope of work to include connection of existing toilets and the washing facilities to the existing sewer reticulation.

After communicating with the Municipality, Ms Ndzalo Marai reported the following:

*"The area does have sewer, however the sewer was poorly constructed, the pumping station has been vandalized and is nonfunctional. If the houses are connected to the sewer at this stage we will experience a lot of spillages".*

It is recommended that the LM urgently attends to the sewer issues as mentioned above and ensure that after connecting the 180 households to potable water, the households don't use the toilets until they are connected to the sewer network. A similar challenge was experienced at a different Municipality within the Free State province.

RECOMMENDATION:

The project is recommended for MIG funding for the amount of R 2 599 855.74 on condition that the above General Remarks are considered and addressed during implementation.

Kind Regards



Ms. N. Hlengwa

Deputy Director: Water Service Planning

Date: 25/01/2018

Copy to: Department of Cooperative Governance and Traditional Affairs  
PO BOX 211  
Bloemfontein  
9300