

2019

# MATJHABENG LOCAL MUNICIPALITY

FLOODING REPORT  
TUMELO MAKOFANE

## **INDEX**

---

1. Introduction .....	2
2. Background .....	3
3. Status of infrastructure damage caused by flooding .....	4
4. Joint Operation Committee .....	10
5. Summary of activities and cost implications.....	24
6. Pictorial evidence of flooded areas and interventions captured through camera lenses .....	36
7. Conclusion and Recommendation .....	86

## **MATJHABENG LOCAL MUNICIPALITY'S INFRASTRUCTURE AND RELATED WATER INCIDENCES**

### **1. Introduction**

Matjhabeng Local Municipality, the same as other areas in Kwazulu-Natal and Eastern Cape Provinces, was also hard hit by heavy rains during the weekend of the 19<sup>th</sup>-23<sup>rd</sup> April 2019. Though the rains were heavy, they were consistent with sporadic thunder throughout mainly the three days with sparse lighting happening mostly during the night.

More than 400 homes (formal and informal) were affected, thus displaying almost 1200 people in the process. This was quite unexpected with unplanned remedial costs to be incurred by the Municipality and other sister entities with service delivery and related mandates. During the height of intervention quite a sizeable entities participated in providing different services to affected areas at agreed upon intervals. As many entities as Deo Doxa (church organisation from Welkom), Gift of the Givers and a few other noticed groups made food parcels available to the needy and displaced beneficiaries.

The floods destroyed internal roads accesses within communities which brought about safety and security of affected communities at risk. In the process affected people housed in communal areas had to move back to their houses as threats of vandalism and crime became obvious. Their residence was therefore short lived and this posed an untenable situation for food donors as the numbers fluctuated among breakfast, lunch and dinners services. Some could no longer come to the shelters as mischief took advantage of the situation.

We are still entertaining a sizeable number of displaced people as a result of structural damages to most houses in the areas of Hani Park, Mandela Park, Dichokoleteng, Bronville and Meloding.

## 2. BACKGROUND

Matjhabeng Local Municipality came into existence as result of demarcation of municipalities in 2000. This process saw the end of Local Government Transitional councils and advent of new dispensation of democratic local government. The Municipality is situated in the Lejweleputswa District Municipality in the Free State. It is bound by the Nala Local Municipality to the north, Masilonyana Local Municipality to the south, Tswelopele Local Municipality to the east and Moqhaka Local Municipality to the west. Matjhabeng represents the hub of mining activity in the Free State province.

Matjhabeng Local Municipality (MLM) is a category B Municipality established in terms of Section 12 of the Municipal Structures Act (117 of 1998). The municipality encapsulates an area of 514.4 km<sup>2</sup> consisting of Welkom (Thabong), Odendaalsrus (Kutlwanong), Allanridge (Nyakallong), Hennenman (Phomolong), Virginia (Meloding) and Ventersburg (Mmamahabane). The Municipality has a total of 116712 proclaimed stands for both residential purposes. The rural areas of the Municipality cover an area of approximately 2500 farms.

In terms of service delivery issues, we have the following networks:

- The water reticulation network of the Municipality comprises of 1654 km of various types of pipelines, 4996 hydrants, 6934 valves, 85 000 water meters.
- The Sewer network comprises of **1534km** with **25 929** manholes, **57** pump stations and **12** WWTW.
- The Municipality managed 1 742 km of Roads;
- The Municipality has 639 km storm water lines;
- The Municipality has 367 high mast lights and 18722 streetlight installations;
- The MLM has 14655 pre-paid and 14620 conventional meters;
- The MLM have 150 MVA installed electrical capacity that consist of 780 Substation on 132kV/11kV/6.6kV supply voltage configurations

### **3. Status of infrastructure damage caused by flooding**

#### **3.1. Roads**

The R732 road was not affected but it was certainly built without consideration of the impact of the flood line which became evident during the floods that it was unable to assist in alleviating the flood damages by channelling water away from the central catch pits.

As a result the small channels could not handle the amount of water which stagnated for a while at the central catch but which ultimately found a way during Monday of moving towards Bronville South at the location of the stadium and ultimately the Bronville Primary School, the pump station at Bronville South as well as scrap metal business and other businesses adjacent to the school. Some houses were also affected by the running water which, through winds, found new direction to flood even homes along the south of Bronville.

As part of technical improvement to the R732, we need to create more and sizeable channels that will carry increased amount of water at a time to alleviate potential deluge as it happened in the area of the site as depicted in pictures (pictures 1 and 2) below as follows:



*Picture 1: View from side of R732-Before robots  
After robots*



*Picture 2: View from side of R732-*



*Picture 3- Drive towards R732 from the connector road to Bronville during actual flooding on Tuesday, the 23<sup>rd</sup> April 2019*

As a result, the fencing to the Bronville Stadium will need replacing as the damage could bring unforeseen danger to sports people and any other people who are likely to use the stadium in the future. Costs related to the damage in the stadium could not be immediately established at the time but would require rebuilding the entire pavilion at the South side of the stadium.

The road that connects Bronville with the R732 has also been structurally damaged although no formal assessment has been done. This section of the road was virtually submerged in water as the pictures below would show:



*Picture 4: Bronville entrance*



*Picture 5: Bronville entrance*

The pictures above show entrance from the newly established traffic control entrance to Bronville. They also depict uneven level of the road entrance to Bronville which must receive major upgrading to take into account the level of the internal flood line. The distance from the entrance to the 4-way stop next to the taxi rank 1,2km. This section of the road requires major financial injections to be aligned to the R732 in anticipation of future flood occurrences.

Other internal roads have also been affected by the floods and in some places, no access is guaranteed after the rains and pictures taken in some areas pose a worrisome health and safety environment as terrains have become difficult to traverse like in pictures below:



*Picture 6: Depicting a before scenario*



*Picture 7: Depicting a “during” scenario*



*Picture 8: Depicting an “after” scenario*



*Picture 9: the “current: scenario*

### 3.2. Sewer networks

Once serious matter which has been a sore point for the Municipality, is always dealing with the infrastructure damages caused by zama-zama activities. The unexpected floods exposed blocked sewer in various flood affected areas. Our reports that we wrote in the past have shown our vulnerability to zama-zama activities by asking for assistance from government entities at both province and national level for intervention. We have received some assistance from COGTA (MISA) through funding for the assessment of our nine of the eleven waste treatment works so that focused and informed intervention is prioritised.

The aftermath of these activities of the zama-zamas have exposed sewer to unsuspecting communities as the flood swept all stagnant sewer nearby community yards and the result would be devastating both for human and the environment with incalculable damage ensuing. Totalling of the damage would suspiciously crop up in the future as affected people would individually carry the burden for day visit to health care centres least suspecting the cause as arising from the floods.

There have also been damages to existing pump stations in the Municipality thus affecting normal functioning of our waste water treatment works in the process. One key intervention requiring substantial budget is to ensure repairing and bringing affected pump stations and waste treatment works to functionality. It must be recognised that some of the treatment works use technologies that requires % in-flow of sewer to enable functionality. In the absence of the absence of sewer in-flow, normal functionality gets negatively affected. Cognisance must then be taken of the costs to repair the six pump stations which affected in the Municipality. The following pump stations are recorded here for consideration:

- Major and Western pump stations located in Lakeview;
- North and South pump stations located in Bronville;
- T8 pump station which is located in Thabong Central;

- The T16 pump station which was undergoing repair but have since been flooded.

Apart from the above cases, floods caused major blockages as debris in various areas have been eroded and left open manholes that were also damaged as a result of the force by which floods swept the areas. Corrective measures in this regard is to quantify and procure manhole lids and cleaning of blocked sewer lines throughout the affected areas. The estimated lines blocked throughout the Municipality as per our preliminary report indicates the combined damage to approximately 70 kilometers of sewer lines in the affected areas.

### 3.3. Electricity

Bronville and surrounding areas have been badly affected by the floods and in the process, there was a black out for six consecutive days which was abnormal in terms of electricity regulations. Complaints lodged indicate that people lost food as a result of the black out. We expect more people to lodge complaints regarding the financial loss as a result. There was also an accident as a result of the non-functioning of the traffic lights in the entrance to Bronville.

The extent of the damage could not be determined as the accident happened in the wee hours of Thursday when no one was present at the accident scene. One set of robots was destroyed increasing damage costs which must then be incurred by the Municipality.

Consequentially, there were a number of robberies reported in the areas affected by black out. Electrical cables and pump station equipment were stolen by thieves. A 15 meter cable was stolen at 12<sup>th</sup> Street in the Industrial Area of Mannys (Welkom) during the morning of the 26<sup>th</sup> April 2019 when advanced work was achieved with intention to ultimately switch Bronville on during same Friday morning. In one area, a cable fault was discovered and a replacement of same took place same morning. These are additional costs to the Municipality under forced and

unforeseen circumstances due to floods. Our electrical network providing energy to Bronville is reticulated underground and that has always been the challenge. The recommended route is to redirect reticulation to go above the ground to ensure that any interference is visible and prompt action is taken during electricity down time. The source and distance calculated should start from Urania pump station.



#### **4. Joint Operation Committee**

A Cluster Joint Operations Centre (JOC) was established by the South African Police Service (SAPS) on the morning of the 23<sup>rd</sup> of April 2019 upon receiving the distress call the previous day (22 April 2019) about the heavy rain causing devastation in people's homes and the environment. Matjhabeng Local Municipality established a local Disaster Management JOC on 24 April 2019. The pictures attached to the report below indicate brand affiliation of some of the institutions that heeded the stress call (see pictures below). The stakeholders that participated were:

- Matjhabeng Local Municipality
- Department of Police Roads and Transport
- Lejweleputswa District Disaster Management Centre
- Department of Cooperative Governance and Traditional Affairs (CoGTA): Provincial Disaster Management Centre (PDMC)
- Department of Social Development

- South African Social Security Agency (SASSA)
- Department of Health: Emergency Medical Services (EMS)
- National Department of Human Settlements



*Picture 10: Some representatives from Matjhabeng Fire Section, Emergency Medical Services*



*Picture 11: A Representative from Lejweleputswa District Disaster Management Centre*



Picture 12: Representatives from Provincial Disaster Management Centre and Gift of the Givers



*Picture 13: Representatives of the JOC with affected members and ordinary enthusiasts*



*Picture 14: Representative from South African Police Services and affected community members of Mandela Park*

The JOC met daily in order to oversee and confirm evacuation details of affected houses to identified evacuation centers in Thabong, Bronville, Hani Park and Mandela Park. The JOC had capacity to also monitor the situation on an no-going basis additional to responding to related incidences within the affected areas.

The JOC coordinated resources donated by donor agencies with a presence in the province and a few nationally from the established operation center in Bronville. Part of the coordination was to also align food parcels and hygiene packs at constant intervals to beneficiaries in the centers. Furthermore, the JOC operation center was charged with continuous assessments of the extent of damage to housing structures and recommend evacuation to controlled centers.

The main responsibility of the JOC was to also provide reports on the details regarding structural damages and link up Matjhabeng Local Municipality with donor agencies who should be approached to seek relief funds as intervention to the damages caused by the floods. In other words, the purpose of the JOC is to ultimately source funding towards rehabilitation and reconstruction of affected infrastructure.

Over and above the coordinated function of JOC as a coordinating body during floods, each role player had contributions towards addressing the challenges that the Municipality finds itself as follows:

#### 4.1. Department of Social Development Lejweleputswa District Office

Department of Social Development Lejweleputswa District Office in collaboration with various stakeholders which pledged their commitment in different forms. It is reflective of the areas affected, findings of the assessment conducted by Social Workers and immediate interventions geared towards the resuscitation of the situation targeting households negatively affected by heavy rains. The following is a summary of contributions by the office.

FINDINGS	INTERVENTIONS
Bronville and Hani park	
<ul style="list-style-type: none"> <li>• -19 Children were displaced from their homes.</li> <li>• -50 households were food insecure due to floods.</li> <li>• -15 Adults were displaced from their homes.</li> </ul>	<ul style="list-style-type: none"> <li>• On the 23/04/2019, 19 Children were transported to temporary shelter at House of Emmanuel in Virginia.</li> <li>• 50 households were fed hot cooked meals by Ikemeleng Community Project (funded CNDC). Eventually food parcels from the Department of Social Development and sliced meat from a donated cow by Clan Agricultural College were availed to the CNDC to prepare hot meals to the target group. To that effect a total of 270 people accommodated at Lesedi La Kganya Crèche were served with lunch daily by the CNDC</li> <li>• SASSA assisted with provision of hot prepared meals to the affected people from the 25/04/2019- 27/02/2019 due to the high demand.</li> <li>• On the 23/04/2019, 15 displaced adults were transported to the local Community Hall that was to serve as</li> </ul>

	<p>temporary shelter. Through the intervention of other stakeholders (ward councilor) and others ultimately all the affected households in Bronville and Hani Park were accommodated in Lesedi La Khanya Crèche which is an ECD funded by the Department of Social Development.</p> <ul style="list-style-type: none"> <li>• A church affiliated to House of Hope (NPO partners) pledged R40000.00 to be utilized for identified needs. The said amount was used to procure food packages which were inclusive of dignity packs, 60 blankets and clothing for babes, children and adults. On the 29/04/2019 a total of 200 people accommodated at Lesedi La Kganya and 80 accommodated at Indoor Sport Centre benefited. On the same day (27/04/2019) food parcels from Gift of the Givers were withdrawn on the bases that people have already benefited and would rather be distributed as part of the</li> </ul>
--	---

	<p>exit and where then kept at Matjhabeng Disaster Management Centre.</p> <ul style="list-style-type: none"> <li>• Clicks brought food and some cosmetics.</li> <li>• On the 30/04/2019 Telkom will make a donation and a list of people in need has already been handed over by a social worker.</li> <li>• At Lesedi La Kganya Crèche a donation from Gift of the Givers will be made on the 30/04/2019. A list of deserving people has been emailed to their office. Number of people still accommodated at the Centre is currently 245. All the people accommodated at the crèche on the 28/04/2019 received breakfast and lunch.</li> <li>• Ikemeleng Community Project (funded CNDC) will continue to provide meals until the 01/05/2019 depending on the situation then.</li> <li>• 300 blankets where donated buy a private donor who prefers to remain</li> </ul>
--	--

	<p>anonymous. He/she also fed displaced people with the meal from KFC.</p> <ul style="list-style-type: none"> <li>• Two trolleys of various groceries were donated by Child Welfare Welkom.</li> <li>• 2 bags of clothing donated by House of Hope.</li> <li>• 1X Bag Maize-Meal donated by House of Hope.</li> <li>• On the 27/04/2019 in the afternoon at Thabong Indoor Sport Centre upon the realization that the affected people's houses had dried up and it was safe for them to return home and that that effects were released, that Centre as of the 27/04/2019 ceased with operations.</li> </ul>
--	--

#### Ventersburg (Mmamahabane)

<ul style="list-style-type: none"> <li>• 11 Households were affected.</li> </ul>	<ul style="list-style-type: none"> <li>• Cooked meals from House of Hope are transported to the affected households.</li> <li>• 11 affected households were visited and assessed by Social Workers.</li> <li>• 26 Households received food packages from Free State in Action (NPO)</li> <li>• -26 People were referred to SASSA for food parcels (SRD).</li> </ul>
--	---

#### Virginia (Albany)

<ul style="list-style-type: none"> <li>• 11 Households were affected by the floods.</li> </ul>	<ul style="list-style-type: none"> <li>• No dysfunctional Household daily operations in the affected areas were detected from the assessments made by team of Social Workers deployed at the area.</li> </ul>
--	---

#### Virginia (Calabria)

<ul style="list-style-type: none"> <li>• 10 Households were affected.</li> <li>• Partial Damage to furniture inflicted by rain water which infiltrated the physical structures/ houses.</li> <li>• Need for food parcels (SRD) identified.</li> <li>• 4 out of 8 visited rely entirely on social grants (CSG) as the only source of income.</li> <li>• 1 dwelling unit occupied by foreign nationals is without source of income.</li> </ul>	<ul style="list-style-type: none"> <li>• 8 referrals for food parcels (SRD) was made to Social Security Agency (SASSA)</li> <li>• 10 people from households visited were verified as qualifying for food parcels.</li> </ul>
Welkom (Thabong)	
<ul style="list-style-type: none"> <li>• Themba and Mshenguville are the two residential sections affected.</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 140 people accommodated at Indoor Sport Centre benefited from food packages inclusive of dignity packs donated by House of Hope.</li> </ul>
Resource Mobilization	
<ul style="list-style-type: none"> <li>• A team of resource mobilization was established within the district office.</li> </ul>	<p>The team managed to mobilized resources from the following entities:</p> <ul style="list-style-type: none"> <li>• An amount of R400.00 was collected from individual officials.</li> <li>• House of Hope and its partners donated R40 000.00, 50kg maize meal and clothing.</li> <li>• Lion of Judah Pastors Forum donated groceries.</li> <li>• Child welfare donated 20 food parcels.</li> </ul>

#### 4.2. Sassa Lejweleputswa District

FINDINGS	INTERVENTIONS
Lesedi la Kganya (26/04/2019)	
The conditions were found to warrant that Sassa immediately issue of humanitarian aid	78 Blankets and 50 dignity packs for the families

	hot meals for Supper for the families ( 26-28/04/2019)
Thabong Indoor Sports Centre	
120 people housed	120 meals were supplied for three days (26-28/04/2019)

#### 4.3. Department of Health

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Lesedi la Kganya, Ventersburg and Virginia-Meloding	
22 <sup>nd</sup> April 2019 five patients from Lesedi La Kganya centre (HUB) were treated for medical conditions at Hani Park clinic	District Director of Health (Lejweleputswa) seconded the two re-engineering teams to assist with medical seeking patient from the HUB who needed medical attention.
In Ventersburg on the 23 <sup>rd</sup> of April 2019 it was reported that 1 male person was washed away by the floods	
In Virginia under Meloding entrance bridge a school bus that was stacked due to high level of water with school kids was recovered by breakdown and all kids were rescued there was no injury or fatality.	

#### 4.4. House of Hope

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Some identified settlement areas required humanitarian interventions	House of Hope donated clothing; and a church affiliated to House of Hope (NPO partners) pledged R10 000.00 to be utilized for identified needs. The said

	amount was used to procure food packages which were inclusive of dignity packs, blankets and 2 bags of clothing for babies, children and adults. They also donated 1 bag of maize meal.
--	---

### 5.5. Red Cross

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	provided food parcels and blankets

### 4.5. Department of Sport, Art and Culture-Free State

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Office of the MEC of Free State MEC for Sport, Arts, Culture and Recreation provided food parcels

### 4.6. Clicks

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Brought food and cosmetics

### 4.7. Gift of the Givers

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Provided food parcels and toiletries to 300 beneficiaries

4.8. Child Welfare-Welkom

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Donated groceries to the evacuation centers via the JOC

4.9. Harmony Mine

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Lent out mattresses and donated blankets

4.10. Albany Bread

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Evacuation sites were already established	Provided bread for a day

4.11. Lejweleputswa District Disaster Management Centre

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Lejweleputswa Disaster Management Centre initiated and coordinated stakeholders to convene JOC meetings as a result of the floods	Provided the necessary response and relief materials.

4.12. Matjhabeng Local Municipality

<b>FINDINGS</b>	<b>INTERVENTIONS</b>
Coordinated evacuation of flooded areas during the actual floods.	Provided hot meals for the people accommodated at Thabong Indoor Sports Centre and Lesedi la Kganya evacuation centres from 23 April 2019.

	<p>Identified evacuation centres for affected families throughout affected areas.</p> <p>Participated in the JOC meetings to establish solution to the flooding.</p> <p>Repaired some of the immediate storm water channels that caused direct flooding.</p> <p>Repaired electricity challenges in Bronville and other affected during the flooding.</p>
--	--

## **5. Summary of activities and cost implications**

### 5.1. Housing impact per affected area

#### **Welkom:**

Two areas in Welkom namely Bronville and Thabong, were affected as follows:

#### ***Bronville***

Bronville – 20 houses

Mor park – 12 houses

Mandela park – 65 houses

#### ***Thabong***

Ward 23 – 87 houses

Ward 24 – 33 houses

Ward 16 – 62 informal houses

A total of 182 people were evacuated and placed at Thabong Indoor Sports Centre and 162 people at Lesedi la Kganya crèche, Bronville. Some of the affected people preferred to stay with friends and relatives. One fatality was reported (adult male drowned) of a male.

About 279 houses were damaged and further assessments are continuously conducted and will determine the exact number and extent of damages. Many people have lost their belongings and require not only shelter but also food and clothing.

## 5.2. Infrastructure Damage and Improvements Recommended

<b>PROJECT NAME</b>	<b>WARD NO.</b>	<b>COMMENT/ NOTES</b>	<b>PROJECT VALUE</b>
Refurbishment of Welkom Airport	34	Replacement of run-way lights and resealing and refurbish facilities.	50,000,000.00
Refurbishment of the Griffiths Stadium in Welkom	34	Refurbishment of the existing stadium	
Fencing of the Virginia Municipal Offices	9	Complete renovation of building as it has dilapidated and Construction of 420m perimeter fence and associated gates to improve security and control access of Municipal Facility.	4,000,000.00
Fencing of the Kutiwanong Municipal Offices	18	Complete renovation of building as it has dilapidated and Construction of 240m perimeter fence and associated gates to improve security and control access of Municipal Facility.	3,000,000.00
Fencing of the Allanridge Municipal Offices	36	Complete renovation of building as it has dilapidated and Construction of 535m perimeter fence and associated gates to improve security and control access of Municipal Facility.	2,000,000.00
Fencing of the Thabong Municipal Office	31	Construction of 655m perimeter fence and associated gates to improve security and control access of Municipal Facility.	625,000.00
Fencing of the Bronville Municipal Office	11	Construction of 705m perimeter fence and associated gates to improve security and control access of Municipal Facility.	689,750.00
Fencing of the Odendaalsrus Municipal Office		Construction of 745m perimeter fence and associated gates to improve security and control access of Municipal Facility.	708,000.00
Fencing of the Nyakallong Municipal Office	36	Complete renovation of building as it has dilapidated and Construction of 255m perimeter fence and associated gates to	243,000.00

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
		improve security and control access of Municipal Facility.	
Fencing of the Hennenman Municipal Office	3	Construction of 367m perimeter fence and associated gates to improve security and control access of Municipal Facility.	349,000.00
Fencing of the Phomolong Municipal Office	2	Construction of 450m perimeter fence and associated gates to improve security and control access of Municipal Facility.	550,000.00
Fencing of the Mmamahabane Municipal Office	1	Construction of 235m perimeter fence and associated gates to improve security and control access of Municipal Facility.	224,000.00
Fencing of the Harvinia Sports Ground	9	Construction of 1655m perimeter fence and associated gates to improve security and control access of Municipal Facility.	1,572,250.00
Extension of the main Municipal Building and construction of new Council chambers	32	Current chambers and offices does not address requirements of councillors and officials.	50,000,000.00
7 <sup>de</sup> -laan incorporation (Odendaalsrus)	36	Old mine infrastructure.	
Service 23 light industrial area in Thabong Constantia Road	30	Stands needed by SMME's for businesses.	R 6 000 000
Procure Water Pressure Reduction System (PRV) to reduce the occurrence of burst pipes	All	No PRV's in Welkom and Thabong to regulate water pressure on old water networks.	R 9 000 000
Data logging of bulk water meters to monitor consumption trends, trigger alarms and calculate losses due to pipe bursts	All	Procurement of 5 Data Loggers as part of Water Demand Management.	R 1 500 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Completion of Fencing of the Kutiwanong PRV chamber		Fence does have a gate or bob-wire	
Completion of Fencing of the Odendaalsrus PRV chamber		Fence does have a gate or bob-wire	
Refurbishment of the ageing water reticulation network in Welkom & Riebeekstad		To improve water saving strategies	21,000,000.00
Refurbishment of the ageing water reticulation network in Odendaalsrus		To improve water saving strategies	21,000,000.00
Refurbishment of the ageing water reticulation network in Virginia	8&9	To improve water saving strategies	21,000,000.00
Refurbish Brain Street sewer network and upgrade main outfall to Big Frank Pump Station	35	Regular sewer spillages due to poorly executed project.	R 6 000 000
Refurbish Odendaalsrus outfall sewer	36	Outfall sewer about dysfunctional and sewer spillages on a regular basis.	R10 000 000
Hennenman: Replace portion of outfall sewer to eliminate pump station	3	By replacing portion of network old pump station not needed to be refurbish and eliminate operational and maintenance costs of existing pump station	R 3 000 000
Refurbishment of collapsed sewer in Welkom Koppie Alleen Road	27, 32	If sewer network is not refurbished in time the existing road may also have to be reconstructed at very high cost.	R10 000 000
Refurbishment of the collapsed sewer line in Brain Road		Reduce sewerage spillages	6,000,000.00
Refurbishment of the collapsed sewer line in Van der Vyfer Road		Reduce sewerage spillages	10,000,000.00

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Refurbishment of collapsed line in Anthony Road, Odendaalsrus	35	Reduce sewerage spillages	500,000,00
Refurbish of Hennenman WWTW as well as main pump station.	2	Need a refurbishment to ensure that effluent are according to standards	R15 000 000
Refurbish and Upgrade Odendaalsrus WWTW by addressing chlorination, drying beds, maturation ponds and humus tank to comply with Green drop standards.	36	Needs refurbishment and upgrade to ensure that effluent conform to Green Drop Standards.	R 5 000 000
Upgrading of Witpan WWTW – Phase 2	32	Additional upgrading of the WWTW by construction of a new Inlet works with degritting equipment, Installation of flow measurement, pump sumps, chlorination contact tank, discharge flow measurement in order to meet the requirements of Green drop and ensure improved effluent quality flow into the Witpan.	35,000,000.00
Refurbish and upgrade the following pump stations:  Extension Nr 3, Goudrif Nr 2, Akasia, Goudrif Nr 1, Althea, Meloding, Northern (Main pump station), Ben Regal, Eldorie, Kitty, Gowie Theron and Hennenman. South and North Bronville, T8, T16, Old Thabong, Western, Major, Power road and Traffic		Pump stations in poor condition and spillages occur. Health and safety hazard.	R22 000 000
Replace 450mm rising main line between Major pump station and Theronia sewerage works and enlarge sump of Major pump station.	33	Infrastructure old. If breakage occur major spillage of raw sewerage into Theronia pan.	R 7 000 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Construct and upgrade security and alarm systems at pump stations and sewerage works to reduce theft and damage to infrastructure	All	Regular dysfunctional pump stations and WWTW due to theft and vandalism. Expensive to repair.	R15 000 000
Upgrading of the Klippan Pump station and Sandriver channel	32	Upgrading the capacity of the pumps for the management of the Witpan	75,000,000.00
Replacement of worn-out galvanised steel pipes in Matjhabeng towns and townships	All	Reduce water loss	R50 000 000
Replacement of Asbestos water pipelines in Matjhabeng towns and townships	All	Reduce water loss	R50 000 000
Thabong: Formalise 1.7 km of roads (THB272, THB280, THB118, THB278, THB290, THB294, THB246)	17		R12 000 000
Thabong: Construct Dr. Mnyandu Crescent	15		R 4 000 000
Thabong: Construct 3.6 km of roads (Mosunkutu, Molope, Dr. Makhelemele, South/West, Mofubetsoana, James Ngake, Mmatsa and Modikeng Street	26		R22 000 000
Thabong: Construct 2 km of roads Mmolai Street, George Mooi Street, Lebogang Street, Motshei Street, Tsotetsi Street,	29		R 12 000 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Bakodi Street, Mokgomo Street, Ndaki Street.			
Thabong: Pave Moshoeshoe Street, Mike Selloane street, N.J Ntolo Street, Mlangeni Street, Morolong Street, Mathe Street	14		R15 000 000
Thabong: Dr Mnyandu_Crs, Sambo_Str, E Tshekedi_Str, Bridgeman Botes_Str, L Modimoeng_Str, S Yoyo_Str, Dn Makhethas_Str, Moshoeshoe_Drv	15		R 13 000 000
Mmamahabane: Upgrade roads to the Primary Schools and Clinics	1		R 9 000 000
Thabong Construct road THB 192 (Constantia Road)	13		R 2 000 000
Virginia Way Service lanes	9	Formal high income area with developed stands	R 3 000 000
Meloding: Construct roads to accommodate stormwater challenges MEL9,10,13,14,165 & 398	4,7	Stormwater challenges.	R 9 000 000
Thabong: Construct RP Teheli and THB 360,361,364 & 523 to address taxi routes and storm water challenges	16	Stormwater challenges.	R10 000 000
Thabong T15: Construction of roads to address taxi route and storm water challenges THB 341, 342 & THB350	16	Stormwater challenges.	R 6 000 000
Kutlwang: K9 north portion where roads are inaccessible	10, 18	Stormwater challenges.	R 24 000 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Welkom: Upgrade Arrarat and Volks Road intersection	34	High occurrence of accidents. Traffic Department need to regulate during peak times.	R 5 000 000
Welkom: Upgrade Tempest and Pretorius Street intersection	27	High occurrence of accidents. Traffic Department need to regulate during peak times.	R 4 000 000
Riebeeckstad: Craib Avenue and Lois Str	25	High occurrence of accidents	R 3 000 000
6.3.1.1. Rebuild Alma road	27	Existing road in poor condition. Past expected lifetime.	R 10 000 000
6.3.1.2. Rebuild Stateway service lanes	27,32, 34	Roads damaged during sewer constructions.	R15 000 000
Rebuild Second street between Stateway and Half street and address storm water problems.	32	Existing road in poor condition. Past expected lifetime.	R 5 000 000
Construct un-designed Gravel roads to give residents access to stands in rainy season at 15Km per annum	All	To address problematic roads where residents cannot reach their houses during wet weather.	R15 000 000
Upgrading of roads in Mmamahabane	1	Provision of roads and associated storm water	R 17 000 000
Construct and upgrade pedestrian bridges over main storm water channels to ensure safe crossing thereof;  Stateway (2), Togo Drive (1), Moshoeshoe railway(1), Nkoane Road (5), and Bucike Tshabalala (2)	12		R 2 600 000
Upgrade main storm water system in Geelwortel /Toronto channel (2km)	28	To manage water level of Toronto pan lake	R 5 000 000
Retention dams for preventing flooding of Tana Street	32	Houses flooded regularly during rain storms.	R 3 000 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Address storm water on existing roads prone to flooding in all towns	All	Attend to storm water challenges where water stands after rain storms and damage road infrastructure.	R 1 000 000
Extend Xaluva channel north of Nkoane Road	28	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 2 000 000
Extend Bronville X9 channel to Blesbokpan	11	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 3 000 000
Upgrade storm water in Dr Tlali Street	28	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 2 500 000
Odendaalsrus: refurbish main outfall storm water canal from Taxi Rank to the vlei area	36	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 6 000 000
Upgrade main storm water system in Meloding near railway crossing	4,5,6,7,9	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 7 000 000
Phomolong: Upgrade informal canal from road PHO 146 to the main chanal and on stand 10839	2	Formalize canal to improve affectivity and reduce maintenance actions and costs	R 1 500 000
Phomolong: construction of new canal from WWTP to spruit	3	Proper management of effluent to curb erosion.	R 5 000 000
Thandanani (2010): Construction of storm water cut off drains	25	Stormwater management to prevent damage to property.	R 1 000 000
Finalization of Uitsig canal retention dam (Stand 8083 Thabong).	29		R 5 000 000
Formalizing storm water canal at school in T15	16		R 500 000
Formalizing storm water canal in Thuhlwane street: Thabong	29, 31		R 5 000 000
Formalizing storm water canal at A Phakathi near Nkoane road	16,25		R 300 000

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
Concrete Lining existing canals at 5km per annum.	All		R40 000 000
Virginia: Dam wall in Sandriver: Upgrade / maintenance as required by law.	8, 9		R 3 000 000
Retention dams at Melodong (Albany)	5,9		R 3 000 000
Retention dams for preventing flooding of Tana Street	27		R 6 000 000
Relining of Stateway Canal Lindsey to Anthony	29		R 4 000 000
Refurbish Storm water pump station and ancillary works to ensure no or minimal disruption of traffic during rain storms. (Melodong subway)			R6 000 000
Upgrading of Sandriver canal to address the storm water from Thabong and Bronville and constant flow from WWTW and Witpan level reduction.	5		R 6 000 000
Upgrading of Industrial Park, Melodong municipal offices, Long Road flats, Welkom show grounds, Klippan Training centre, 7de Laan Odendaalsrus	5,30,32,36		R 4 000 000
VENTERSBURG Electrification 75 stands X1	1	To ensure the effectiveness of the medium voltage distribution networks	R 9 679 969
Welkom Re Electrification of Phomolong Rheeders Park X2 583 stands	35	To ensure the effectiveness of the medium voltage distribution networks	R 8 392 168
ODENDAALSRUS Replace stolen 11kV Medium Voltage Supply	36	To ensure the effectiveness of the medium voltage distribution networks	R 539 010

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
cable between Sub 1A and Mini Substation MS5			
ODENDAALSRUS Replace 11kV Medium Voltage Supply ring feed cable between Sub 18 MS 18A and MS18 Eldorie	36	To ensure the effectiveness of the medium voltage distribution networks	R 1 908 000
ODENDAALSRUS Upgrading of overhead electrical networks that was damaged due theft and vandalism	35,36	To ensure the effectiveness of the medium voltage distribution networks	R14 331 538
WELKOM Ring feed Vista & Bongani Hospital	28	To ensure the effectiveness of the medium voltage distribution networks	R 2 550 835
WELKOM ST Helena upgrading of cable distribution network	32	To ensure the effectiveness of the medium voltage distribution networks	R 2 108 128
VIRGINIA Upgrading of electrical ring feed 11kV to Fauna Park	9	To ensure the effectiveness of the medium voltage distribution networks	R 1 653 563
VIRGINIA Upgrading of electrical ring feed 11kV to Boabab Str	9	To ensure the effectiveness of the medium voltage distribution networks	R 263 516
VIRGINIA Upgrading of electrical ring feed 11kV to Virginia and Harmony	8	To ensure the effectiveness of the medium voltage distribution networks	R 822 170
WELKOM Upgrading of the St Helena Electrical distribution network	32	To ensure the effectiveness of the medium voltage distribution networks	R 6 475 540
WELKOM DOE Electrification Extension X15 X9 Thabong Bronville Phase 6	12	To ensure the effectiveness of the medium voltage distribution networks	R 5 497 160
WELKOM Provision and Installation of a Bulk supply Overhead Line Bronville and Extension 15 Thabong	12	To ensure the effectiveness of the medium voltage distribution networks	R 2 635 160
WELKOM Upgrading medium voltage network Flamingo park	34	To ensure the effectiveness of the medium voltage distribution networks	R 1 581 096
WELKOM Upgrading medium voltage network Stateway new Businesses	32,33	To ensure the effectiveness of the medium voltage distribution networks	R 8 624 160

PROJECT NAME	WARD NO.	COMMENT/ NOTES	PROJECT VALUE
WELKOM Upgrading medium voltage network EXT 9 &15	12	To ensure the effectiveness of the medium voltage distribution networks	R 1 581 096
WELKOM Upgrading medium voltage network Civic Centre	32	To ensure the effectiveness of the medium voltage distribution networks	R 5 772 505
WELKOM Upgrading medium voltage network Industrial Area	27	To ensure the effectiveness of the medium voltage distribution networks	R 3 832 960
HENNEMAN Replace overhead transmission lines in Fabriek street	3	To ensure the effectiveness of the medium voltage distribution networks	R 289 868
WELKOM Rehabilitation of low voltage reticulation Phase 1 Bedelia	33	To ensure the effectiveness of the medium voltage distribution networks	R 2 174 007
WELKOM Ext 19 LT electrical reticulation upgrade	12	To ensure the effectiveness of the medium voltage distribution networks	R 868 264

**6. Pictorial evidence of flooded areas and interventions captured through camera lenses**



























































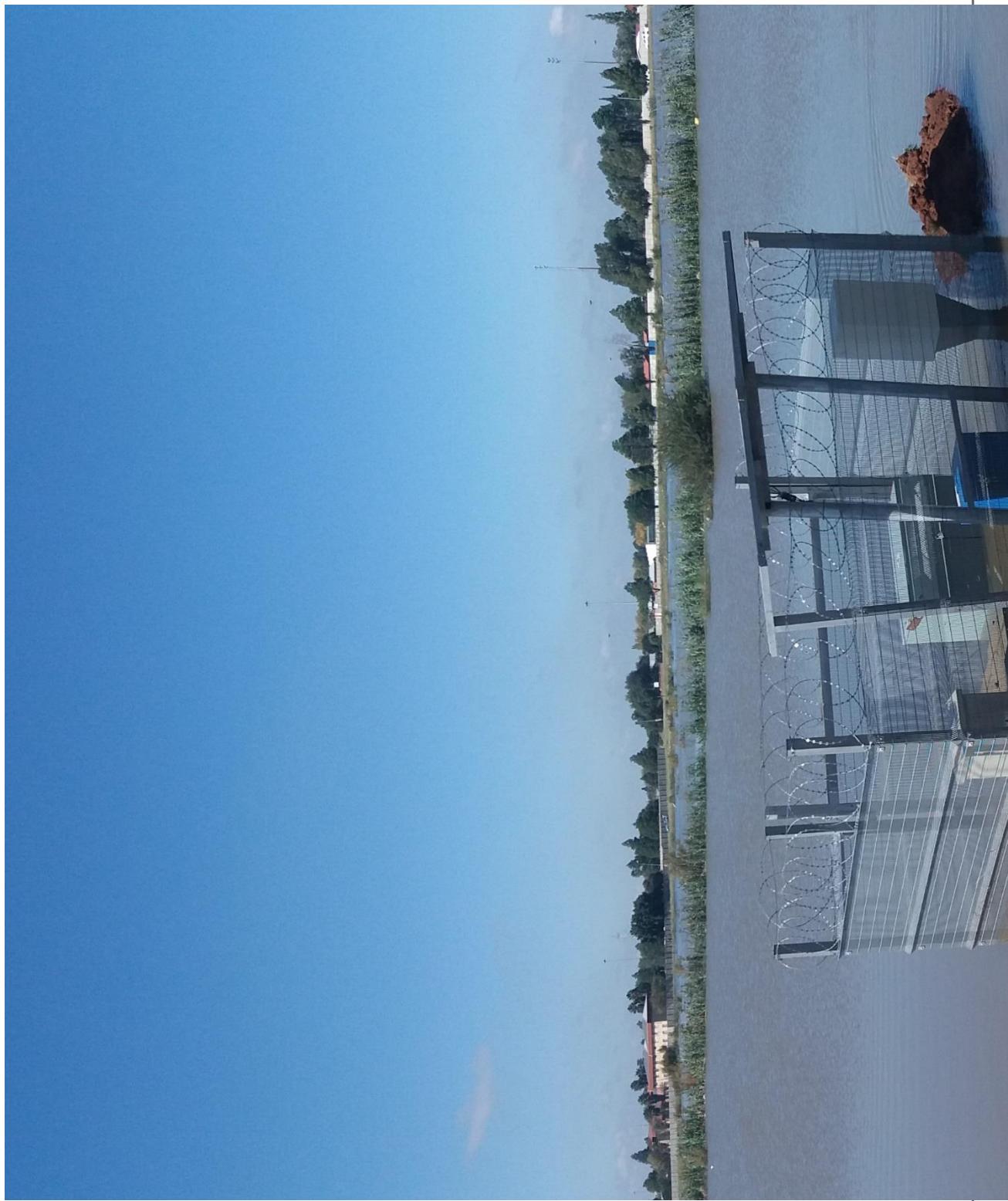












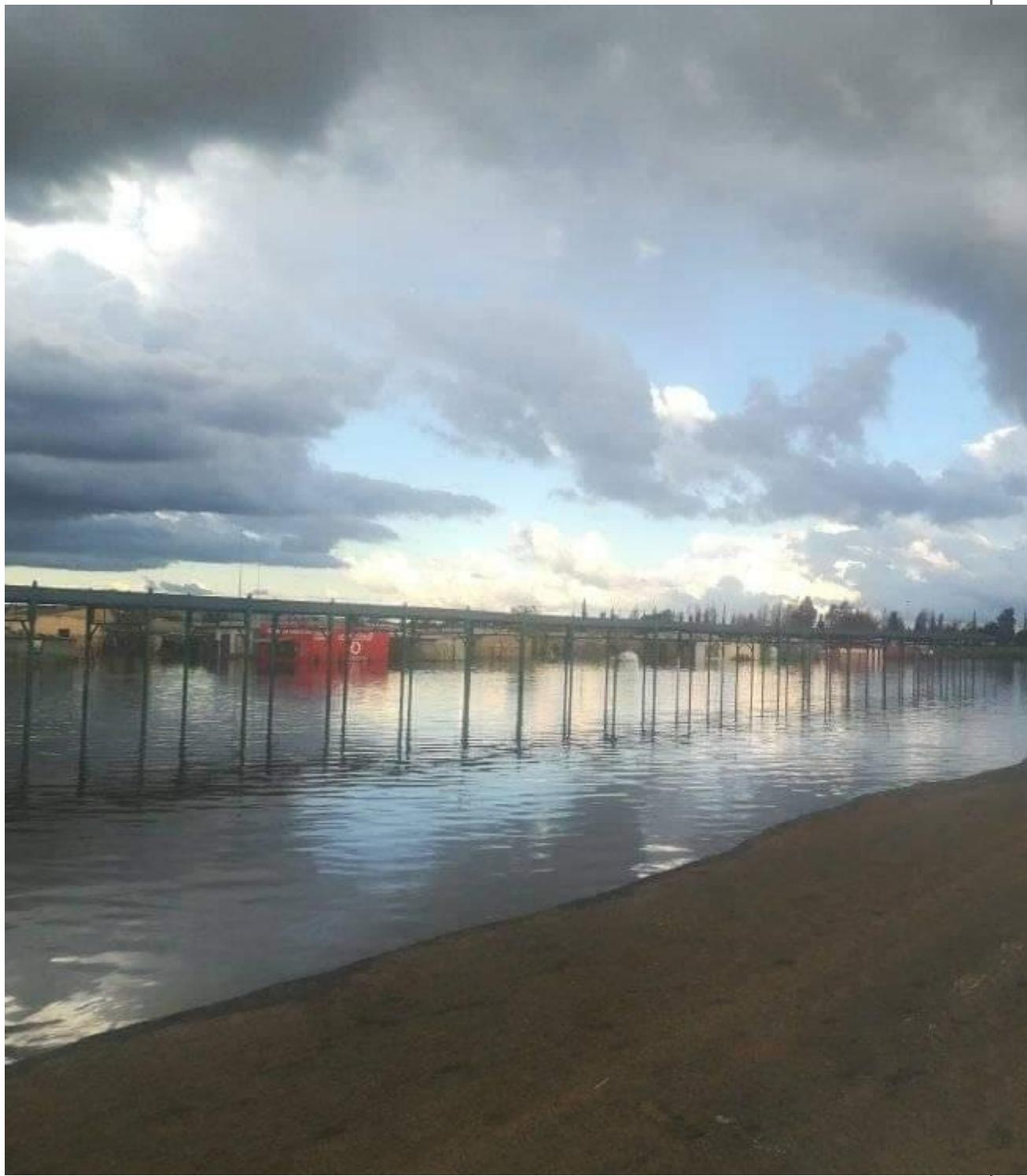




























At the JOC meeting, 26<sup>th</sup> April 2019, all the stake holders were to indicate what they were committing to alleviate the plight of the victims of this disaster. There was an indication that Gift of the Givers, had committed 500 food parcels. Lejweleputswa District Municipality also made a commitment of 200. There was a commitment made by a Mining Company of mattresses and blankets.

After the reports of other stake-holders at the meeting, Sassa raised a point that we need to curb that we do not find ourselves, as stake-holders, duplicating the assistance that we are providing to the victims of the disaster.

Based on this point, the JOC meeting decided that for now the involvement of Sassa will be limited to providing meals for the dignity packs for the housed families. Based on the policy of Sassa on disaster, to provide meals for three days, Department of Social Development committed to continuing providing meals to the families should they be housed for longer than three days in the Centers. The South African Police Service committed patrols around the centers where people were held as well as escorts for Gift of the Givers when they will be distributing the food parcels to the Centers.

The Police indicated that they will also be providing intelligence services as there were some situations of unruliness in Thabong. The Provincial Department Disaster indicated that they would need a detailed assessment for them to help with the declaration of disaster, if indeed required. The Housing Department indicated that the assessment of damaged houses will assist them in helping with temporary shelter for the affected people if needed. When the meeting adjourned it was decided that the stake-holders would continue assessing the situation and intervening where needed to. The JOC meeting adjourned and the next meeting was scheduled for the 27<sup>th</sup> April 2019, at 10H00, at the Disaster Management Centre.

From the meeting as Sassa, we went to the Centers to assess if people were being given food as required.

## **7. Conclusion and Recommendation**

As part of the way forward and bringing likely solution to challenges that befell the Municipality, we urge council to declare the area as a local disaster area in terms of the National Disaster Management Framework of 2005 with particular reference to KPA 4.

The recommendation will facilitate opening avenue to the Municipality to seek and apply for grant funding relating to disaster. The Municipality does not have money to cater for all the flooding repair needs and upgrades to alleviate future occurrences.