



**NKETOANA LOCAL MUNICIPALITY
(F.S. 193)
TECHNICAL DEPARTMENT**

IMPACT OF LOAD SHEDDING ON MUNICIPAL SERVICES

| AREA OF SERVICE | IMPACT EXPERIENCED | MEASURE IN PLACE & COST | FURTHER COMMENTS |
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| WATER SUPPLY | <ul style="list-style-type: none"> Raw Water abstraction and operation interrupted at Reitz Water Treatment Works. | <ul style="list-style-type: none"> Generator with Capacity of 500KVA at a cost of R 1 700 00.00 installed by Grain field Chickens to assist the Municipality. The Municipality is in a process of procuring a 500KVA Generator at an estimated cost of R 1 700 00.00 for Middle point Pump Station at Reitz. No measure in place for PetrusSteyn due to budget constraints, the | <p>The Municipality need funding assistance to install all the required Generators to keep constant water supply to its communities. Currently Load shedding has a very negative impact on Water supply to all residents.</p> <p>Security of pump Stations also need attention as they are being vandalized during load shedding.</p> |

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| | <ul style="list-style-type: none"> • PetrusSteyn Water Pump Stations and WTW operation interrupted. • Lindley Water Pump Stations and WTW operation interrupted. | <p>following generators needed to mitigate the problem: 1 X 350KVA(R 800 000.00) for Pump Millerton, 1 x 400KVA(R 1 150 000.00) for Van der Berg Pump Station and 1 x 500KVA(R 1 700 000.00) for PetrusSteyn Water Treatment Works.</p> <ul style="list-style-type: none"> • No measure in place for Lindley/ Ntha due to budget constraints, the following generators needed to mitigate the problem: 1 X 500KVA(R 1 700 000.00) for Lindley Raw Water pumpstation, 1 x 500KVA(R 1 700 000.00) for Lindley Treatment Works, 1 x 350KVA(R 800 000.00) for Lindley Reservoir and | <p>Control panel protection equipment sometimes get burnt by overcurrent when power is been restored.</p> |
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| | <ul style="list-style-type: none"> • Arlington Pump Stations and WTW operation interrupted. | <p>250KVA(R 600 000.00) for Ntha Reservoir.</p> <ul style="list-style-type: none"> • No measure in place for Arlington/ Leratswana due to budget constraints, the following generators needed to mitigate the problem: 1 X 500KVA(R 1 700 000.00) for Arlington Raw Water pump station, 1 x 350KVA(R 800 000.00) for Letratswana Reservoir. | |
| <p>Sanitation</p> | <ul style="list-style-type: none"> • Reitz Waste Water Treatment Works operation interrupted. • Reitz Sewer pump station operation is been interrupted. | <ul style="list-style-type: none"> • No measure in place and a Generator with a capacity of 500KVA is needed keep the plant operational during load shedding. • No measure in place for Reitz Sewer Pump Station and a Generator with a | <p>The Municipality need funding assistance to install all the required Generators at our various Waste Water Treatment Works and Sewer pump Stations to keep them operational during load shedding. Security of pump Stations also need attention as they are being vandalized during load shedding.</p> |

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| | <ul style="list-style-type: none"> • Petsana Sewer pump station operation is been interrupted. • Petrus Steyn Waste Water Treatment Works operation interrupted and the plant is been completely vandalized during Load shedding | <p>capacity of 200KVA is needed keep the pump Station operational during load shedding.</p> <ul style="list-style-type: none"> • No measure in place for Petsana Sewer Pump Station and a Generator with a capacity of 200KVA is needed keep the pump operational during load shedding. • No measure in place for Petrus Steyn Waste Water Treatment Works. The Treatment Works need to be refurbished at an estimated cost of R 6 000 000.00 and a Generator with a capacity of 500KVA(R 1 700 000.00) be installed. | <p>Control panel protection equipment sometimes get burnt by overcurrent when power is been restored.</p> <p>Criminal cases are being opened at the SAPS for theft and vandalism, but no perpetrators are been arrested.</p> |
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| | <ul style="list-style-type: none"> • Mamafubedu Sewer Pumpstation operation interrupted. • Lindley Sewer Pumpstation 1 operation interrupted and Control panel is been vandalized during load shedding. • Nltha Sewer Pump Station 2 operation interrupted. • Nltha Sewer Pump Station 3 operation interrupted. | <ul style="list-style-type: none"> • No measure in place for Mamafubedu Pump Station and a Generator capacity of 350KVA(R 800 000.00) is required. • No measure in place for Lindley Sewer Pumpstation 1. The Control panel to be replaced at estimated cost of R 250 000.00 and a Generator with a capacity of 250KVA (600 00.00) be installed. • No measure in place for Nltha Sewer Pump Station 2, Generator capacity of 250KVA(R 600 000.00) is needed. • No measure in place for Nltha Sewer Pump Station | |
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| | | | 3, vandalized motors and control panels to be replaced and Generator capacity of 250KVA(R 600 000.00) be installed. | |
| Electricity | <ul style="list-style-type: none"> Cable theft and vandalism of Electricity infrastructure during load shedding. | <ul style="list-style-type: none"> Currently there's no measure in place to curb cable theft and vandalism of infrastructure. Solar powered cameras will serve as the best control measure to guard our infrastructure. Budget required to install such cameras is plus or minus R 15 000 000.00 | <ul style="list-style-type: none"> Criminal cases are being opened at SAPS without any arrest being made. The Municipality is still exploring the deployment of armed Security personnel to patrol critical areas such as Water and Sewer Plants. | |
| IT outage | IT services are being negatively affected by load shedding as there is no internet at the main office and our systems such as Munsoft are dysfunctional and staff is unable to communicate via emails e.t.c | The Generator at the Main office is very small (150KVA) and need to be upgraded to R 350KVA(R 800 000.00) to keep IT infrastructure operational during load shedding. | Funding assistance needed for the Generator. | |
| Admin Staff duties interrupted in all units | Staff can't work as their computers are without power and internet. | No measure in place, The following Generators are needed | Funding also needed for the Generators at our main offices | |

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| <p>Reitz Workshop repairs and maintenance works interrupted</p> | <p>• Mechanics are unable to utilize Electrical tools during load shedding.</p> | <p>to keep our admin staff working during load shedding 350KVA(R 800 000.00) for Reitz main office, 150KVA(R 350 00.00) for Petrus Steyn Main Office, 100KVA(R 200 00.00) for Lindley Main office and 100KVA(R 200 000.00) for Arlington Main office.</p> | <p>and the security at the offices is compromised as cameras are not working during load shedding.</p> |
| | | <p>• No measure in Place, Generator capacity of 50KVA needed for Mechanical workshop in Reitz.</p> | <p>• Municipality in a process of reconditioning an old 50KVA to be utilized at Technical Services Department which will also cater for Mechanical Workshop.</p> |

200/02 MOTIONS

201/02 CLOSURE
