

BASIC ASSESSMENT REPORT



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Department:
Environment & Nature Conservation
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

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(For official use only)

File Reference Number:

Application Number:

Date Received:

Basic Assessment Report in terms of the Environmental Impact Assessment Regulations, 2014, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. This report format is current as of 07 April 2017. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority
3. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
4. Where applicable **tick** the boxes that are applicable in the report.
5. An incomplete report may be returned to the applicant for revision.
6. The use of “not applicable” in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
7. This report must be handed in at offices of the relevant competent authority as determined by each authority.
8. No faxed or e-mailed reports will be accepted.
9. The signature of the EAP on the report must be an original signature.
10. The report must be compiled by an independent environmental assessment practitioner.
11. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
12. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
13. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report must also be submitted.

Section A: Activity Information

Has a specialist been consulted to assist with the completion of this section?

YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
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If YES, please complete the form entitled "Details of specialist and declaration of interest" for the specialist appointed and attach in Appendix I.

1 Activity Description

a) Describe the project associated with the listed activities applied for

The Multi-Purpose Lifestyle Complex will entail the development of amenities to enhance the quality of life in Postmasburg Town. This Development will include the upgrading of existing parks and sports fields, as well as the construction of a gym; restaurant; office space; a community hall and an after-school facility on Erf 1(c). One site on which this development will be constructed, Erf 01(c), has natural vegetation which will be cleared for construction activities.

Details and layout of the development planned is illustrated in the figure below.



Please refer to Appendix C for the full set of design drawings.

b) Provide a detailed description of the listed activities associated with the project as applied for

Listed activity as described in GN 327, 325 and 324	Description of project activity
<p>NEMA LISTING NOTICE 01 (GNR983) 12. The clearance of an area of 300 square meters or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Natural vegetation will be cleared for construction purposes.</p>
<p>NEMA LISTING NOTICE 03 (GNR985) 27. The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Natural vegetation will be cleared for construction purposes.</p>

2 Feasible and Reasonable Alternatives

“alternatives”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- (a) the property on which or location where it is proposed to undertake the activity;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;
- (d) the technology to be used in the activity;
- (e) the operational aspects of the activity; and
- (f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Appendix 1 (3)(h), Regulation 2014. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed.

The determination of whether site or activity (including different processes, etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the, competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

a) **Site alternatives**

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Erf 1 (c)	28° 18' 50.16"	23° 4' 13.25"
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
Please refer to Appendix J for alternatives.		

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A of this form.

Erf 1 (c)	
Project Corner Coordinates (Decimal Degrees) South	Project Corner Coordinates (Decimal Degrees) East
28,3134075	23,0702065
28,314453	23,0695901
28,3153386	23,0714825
28,3137432	23,0724231
28,3132319	23,0714734
28,3134075	23,0702065

Erf 1 (c)	
Project Corner Coordinates (DD MM SS) South	Project Corner Coordinates (DD MM SS) East
28° 18' 48.267"	23° 4' 12.743"
28° 18' 52.031"	23° 4' 10.524"
28° 18' 55.219"	23° 4' 17.336"
28° 18' 49.476"	23° 4' 20.723"
28° 18' 47.635"	23° 4' 17.304"
28° 18' 48.267"	23° 4' 12.743"

b) **Lay-out, Technology, Other and No-Go alternatives**

ALL ALTERNATIVES ARE INCLUDED IN APPENDIX J OF THIS REPORT.

Paragraphs 3 – 13 below should be completed for each alternative.

3 Physical Size of the Activity

- a) Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

PLEASE REFER TO APPENDIX J FOR ALTERNATIVES.

4 Site Access

PLEASE REFER TO APPENDIX J FOR ALTERNATIVES.

5 Locality Map

PLEASE SEE APPENDIX A ATTACHED

6 Layout/Route Plan

NOT APPLICABLE

7 Sensitivity Map

PLEASE SEE APPENDIX A ATTACHED

8 Site Photographs

PLEASE SEE APPENDIX B ATTACHED

9 Facility Illustration

PLEASE SEE APPENDIX C ATTACHED

10 Activity Motivation

Alternative 01 (Preferred Alternative)

Motivate and explain the need and desirability of the activity (including demand for the activity):

1. Is the activity permitted in terms of the property's existing land use rights?		YES	<input checked="" type="checkbox"/> NO	Please explain
Current zoning of Erf 1-c is G.a.1) Unspecified zone, but the zonation will be changed to Special Zone. This special zone would be defined as: Multi-purpose complex: <i>a complex inclusive of meeting rooms, office blocks, after school centrum, sports facilities, a restaurant and an art gallery.</i>				
2. Will the activity be in line with the following?				
(a) Provincial Spatial Development Framework (PSDF)		<input checked="" type="checkbox"/> YES	NO	Please explain
Mining and mineral beneficiation	9) Relocation of the state diamond trader to the Northern Cape; 10) Shale gas fracking; 11) Provincial mining strategy; 12) Postmasburg small town revitalisation; and 13) Provincial mining strategy.			
(Northern Cape: Reviewed PSDF Executive Summary 2018)				
(b) Urban edge / Edge of Built environment for the area		<input checked="" type="checkbox"/> YES	NO	Please explain
The development will take place on Erf 1 within the town of Postmasburg, and thus within the urban edge.				

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<p>(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Refer to PSDF and assume local municipality aligned to provincial SDF.</p>			
<p>(d) Approved Structure Plan of the Municipality</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Structure plan submitted to the municipality for approval. Approval is still pending.</p>			
<p>(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The desire of the Siyanda EMF is that “the landscape should be used as a positively contributing asset in tourism related activities, especially in the planning of tourism routes and destinations.” There is no specific reference to activities within the town of Postmasburg.</p> <p align="center">(Siyanda Environmental Management Framework – EMF Report)</p>			
<p>(f) Any other Plans (e.g. Guide Plan)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Not Applicable</p>			
<p>3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Public open space recreation is aligned.</p>			
<p>4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Socio-economic study has been conducted and have identified the need(s) from the community members working at the main economic sector (Kolomela Mine) located within Postmasburg.</p>			
<p>5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The necessary resources for the development of the facility is available. Operational and Maintenance resources must be secured through the handover process.</p>			

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<p>6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Handover documents will be submitted with FBAR.</p>			
<p>7. Is this project part of a national programme to address an issue of national concern or importance?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Refer to assessment of alternatives (Appendix J).</p>			
<p>9. Is the development the best practicable environmental option for this land/site?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Previously disturbed areas are prioritized for the development footprint and current use of the area pose a health and safety risk to the community.</p>			
<p>10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>Refer to Risk Assessment indicating both positive and negative impacts of the project (Appendix F)</p>			
<p>11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>This is the first development of this type for the area.</p>			
<p>12. Will any person's rights be negatively affected by the proposed activity/ies?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The activities are within the urban area and not situated close to the urban edge.</p>			
<p>14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>6 Integrated Municipal Infrastructure Project 7 Integrated Urban Space and Public Transport Programme 12 Revitalisation of public hospitals and other health facilities</p>			

15. What will the benefits be to society in general and to the local communities?	Please explain
<p>The development will enhance a sense of place and engagement with the environment and entails:</p> <ul style="list-style-type: none"> • Multi-Purpose Hall; • Meeting Rooms; • Offices; • Post-School Centre; • Restaurant; and • Arts and Culture Facility. 	
16. Any other need and desirability considerations related to the proposed activity?	Please explain
None.	
17. How does the project fit into the National Development Plan for 2030?	Please explain
It addresses primary challenge nr. 3: Infrastructure is poorly located, inadequate and under-maintained.	
18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.	
<p>Intensive assessment of alternatives taking numerous specialists, the developer and the municipality into account.</p> <p>Additional meeting with municipality to secure project sustainability in the long term.</p> <p>Risk assessment and Environmental Management Plan to reduce environmental impacts is in place.</p>	
19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.	
<p>Environmental management considers aspects and elements applicable. EMP is written with clear objectives in mind to address impacts in terms of Avoidance Measures; Reduction Measures; Remedial Measures and Monitoring Measures.</p> <p>The EMP objectives are clearly defined and designated responsible persons, timeframes and areas are allocated to the specific actions to allow for compliance monitoring in the future.</p>	

Please refer to Appendix J for alternatives assessed.

11 Applicable legislation, policies and/or guidelines

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
National Environmental Management Act, 1998 (Act No. 107 of 1998)	Listing notice is triggered and basic environmental assessment and EMP is required (this document and appendices)	Department of Environmental Affairs (DEA)	18 December 2013

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National Environmental Management: Protected Areas Act (No. 57 of 2003) (NEMA)	Listing notice is triggered and basic environmental assessment and EMP is required (this document and appendices)	Department of Environmental Affairs (DEA)	18 February 2004
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12 Waste, effluent, emission and noise management

a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

YES	NO
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If YES, what estimated quantity will be produced per month?

20 - 30m ³

How will the construction solid waste be disposed of (describe)?

Percentage to be recycled or reused within building, landscaping and in local Artwork and Sculptures to emphasize reuse and recycling.
 Architects designed to standard dimensions to minimize wastage.
 Reuse of extra material on other building sites
 Excess Solid waste will be removed by the appointed contractor by means of truck.

Where will the construction solid waste be disposed of (describe)?

Percentage to be recycled or reused within building, landscaping and in local Artwork and Sculptures to emphasize reuse and recycling.
 Dumping of construction waste is an issue in Tsantsabane and the site is currently covered with illegal dumping of construction waste.
 Anglo Americans guidelines on the disposal of such will be followed, implemented and supervised during the construction process.
 Disposal of solid waste will be executed as per guidelines and at formal legal solid waste dumping sites. Recycled waste will be recycled and delivered to recycling facilities. This process will be supervised on site.

Will the activity produce solid waste during its operational phase?

YES	NO
N/A m ³	

If YES, what estimated quantity will be produced per month?

How will the solid waste be disposed of (describe)?

No solid waste will be generated during the operational phase. A maintenance manual has been constructed in which handling of general waste is attended to.

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

N/A

Where will the solid waste be disposed of if it does not feed into a municipal waste stream (describe)?

N/A

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA?

YES	NO
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 If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

Is the activity that is being applied for a solid waste handling or treatment facility?

YES	NO
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 If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

YES	NO
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 If YES, what estimated quantity will be produced per month?

N/A m ³	
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 Will the activity produce any effluent that will be treated and/or disposed of onsite?

YES	NO
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If YES, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?

YES	NO
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 If YES, provide the particulars of the facility:

Facility name:	N/A		
Contact person:	N/A		
Postal address:	N/A		
Postal code:	N/A		
Telephone:	N/A	Cell:	N/A
E-mail:	N/A	Fax:	N/A

Describe the measures that will be taken to ensure the optimal reuse or recycling of wastewater, if any:

The facility will harvest rainwater from roofs and bioswales for reuse. Greywater will also be recycled and reused. Water to be recycled by means of wetland design.
 Waterwise sanitary fittings to minimise water use as well as indigenous waterwise landscaping.

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

YES	NO
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 If YES, is it controlled by any legislation of any sphere of government?

YES	NO
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 If YES, the applicant must consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
 If NO, describe the emissions in terms of type and concentration:

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

YES	NO
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If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

YES	NO
YES	NO

If YES, is it controlled by any legislation of any sphere of government?

Describe the noise in terms of type and level:

Traffic noise. Most vehicles are set to be below 50 dB.

13 Water Use

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

Municipal	Water board	Groundwater	River, stream, dam or lake	Other	The activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

N/A litres	
YES	NO

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

The facility will harvest rainwater form roofs and bioswales for reuse. Greywater will also be recycled and reused. Water to be recycled by means of wetland design.

Waterwise sanitary fittings to minimise water use as well as indigenous waterwise landscaping.

14 Energy Efficiency

Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

The design allows for large roof areas due to the nature of the facilities on the site. Solar panels will be installed on the roofs which will be stored and used in the facility. The intent is to have the majority of the facility off the grid running form the solar energy.
 Low energy and energy wise lighting and fittings to minimise enery consumption.
 The Architectural intent was to follow the green building guidelines with sufficient roof overhangs, insulation, fenestration calculations and clever design to maintain a comfortable interior temperature and also to minimise artificial cooling in summer and heating in winter.
 Proposed material and fitting suppliers are also form the immediate area (0 - 50km) to minimise large distance deliveries and minimise carbon footprint of the design.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

Solar panels with battery storage.
Low energy light fittings and globes.
Low energy appliances and interior fittings
Waterwise taps, fittings and appliances.
Water harvesting and recycling.
Ceiling insulation and north facing buildings with minimal fenestrations to east and west.
Balconies and patios with covered pergolas.
Light coloured buildings to reflect heat as a measure of passive cooling.
Sufficient fenestrations and openings for natural passive ventilation.
Waterwise plants and landscaping.
Indigenous evergreen and deciduous trees and plants and landscaping to also assist with passive cooling and natural ventilation of buildings.
Use of soft surfaces and minimise solid paved surfaces around buildings which tend to generate urban heat islands - as a temperature regulating measure.

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SECTION A: ALTERNATIVES

Erf Name	Province	District Municipality	Local Municipality	Ward Number(s)	SG Code	Current land use zoning	Change in Land Use Required	Latitude	Longitude	Size of Activity (m2)	Size of Site (m2)	Ready Access available
Erf 1(c)	Northern Cape	Z F Mgcawu	Tsantsabane	1	C0310003000000010000	G.a.1 Unspecified zone	Yes	- 28,3139334	23,0703469	39225,14	87321,45	Yes
Erf 2617	Northern Cape	Z F Mgcawu	Tsantsabane	1	C0310003000026170000	D.o.1 Sports fields and related Infrastructure	No, only Upgrading	- 28,2992048	23,0906897	N/A	94591,16	Yes
Erf 11	Northern Cape	Z F Mgcawu	Tsantsabane	1	C0310003000000110000	D.o.1 Sports fields and Related Infrastructure	No, only Upgrading	-28,31611	23,0693814	N/A	70946,66	Yes
Erf 1650	Northern Cape	Z F Mgcawu	Tsantsabane	5	C0310003000000010000	B.c.1 Public Park (Registered Public Open Space)	No, only Upgrading	- 28,3287248	23,0792347	N/A	38630,89	Yes
Erf 6797	Northern Cape	Z F Mgcawu	Tsantsabane	7	C0310003000067970000	D.i.1 Business Premises	No, only Upgrading	- 28,332342	23,0760347	N/A	21654,76	Yes
Erf 1866	Northern Cape	Z F Mgcawu	Tsantsabane	4	C0310004000018660000	B.c.1 Public Park (Registered Public Open Space)	No, only Upgrading	- 28,3175359	23,0445627	N/A	39391,4	Yes
Erf 7802	Northern Cape	Z F Mgcawu	Tsantsabane	1	C0310003000078020000	B.c.1 Public Park (Registered Public Open Space)	N/A	- 28,3126284	23,0718049	N/A	27344,02	Yes
Erf 3585	Northern Cape	Z F Mgcawu	Tsantsabane	6	C0310003000035850000	D.g.2 Municipal Uses	N/A	- 28,3154423	23,0669715	N/A	52080,52	Yes
Erf 4711	Northern Cape	Z F Mgcawu	Tsantsabane	2	C0310003000047110000		N/A	- 28,320019	23,058607	N/A	8778,99	Yes
Erf 4440	Northern Cape	Z F Mgcawu	Tsantsabane	6	C0310003000000010000		N/A	- 28,3229229	23,0558962	N/A	5972,44	Yes

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Erf Name	Province	District Municipality	Local Municipality	Ward Number(s)	SG Code	Current land use zoning	Change in Land Use Required	Latitude	Longitude	Size of Activity (m2)	Size of Site (m2)	Ready Access available
Erf 6704	Northern Cape	Z F Mgcawu	Tsantsabane	7	C0310003000067040000		N/A	- 28,3347032	23,0731793	N/A	34912,52	No
Erf 1 - Boichoko	Northern Cape	Z F Mgcawu	Tsantsabane	7	C0310004000000010000		N/A	- 28,3244978	23,0424359	N/A	43730,75	Yes

Section B: SITE/area/PROPERTY description – Erf 1c

Important notes:

- For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section B and indicate the area, which is covered by each copy No. on the Site Plan.

Section B Copy No. (e.g. A):

- Paragraphs 1 - 6 below must be completed for each alternative.

- Has a specialist been consulted to assist with the completion of this section? YES NO

If YES, please complete the form entitled “Details of specialist and declaration of interest” for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

Property description/physical address:

Province	Northern Cape
District Municipality	Z F Mgcau
Local Municipality	Tsantsabane
Ward Number(s)	1
Farm name and number	Erf 1 (c); Postmasburg
Portion number	(c)
SG Code	C03100030000000100000

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

G.a.1 Unspecified zone

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required? YES NO

1 Gradient of the Site

Indicate the general gradient of the site.

Erf 1(c):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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2 Location in Landscape

Erf 1(c)

Indicate the landform(s) that best describes the site:

2.1 Ridgeline	<input type="checkbox"/>	2.4 Closed valley	<input type="checkbox"/>	2.7 Undulating plain / low hills	<input type="checkbox"/>
2.2 Plateau	<input type="checkbox"/>	2.5 Open valley	<input type="checkbox"/>	2.8 Dune	<input type="checkbox"/>
2.3 Side slope of hill/mountain	<input type="checkbox"/>	2.6 Plain	<input checked="" type="checkbox"/>	2.9 Seafront	<input type="checkbox"/>
2.10 At sea	<input type="checkbox"/>				

3 Groundwater, Soil and Geological Stability of the Site

Is the site(s) located on any of the following?

	Alternative S1:	
Shallow water table (less than 1.5m deep)	YES	NO
Dolomite, sinkhole or doline areas	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO
Any other unstable soil or geological feature	YES	NO
An area sensitive to erosion	YES	NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted.

4 Groundcover

Erf 1(c)

Indicate the types of groundcover present on the site. The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Natural veld - good condition ^E	Natural veld with scattered aliens^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an “E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.

5 Surface Water

Erf 1(c)

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO	UNSURE
Non-Perennial River	YES	NO	UNSURE
Permanent Wetland	YES	NO	UNSURE
Seasonal Wetland	YES	NO	UNSURE
Artificial Wetland	YES	NO	UNSURE
Estuarine / Lagoonal wetland	YES	NO	UNSURE

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

6 Land use Character of Surrounding Area

Erf 1(c)

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

Natural area	Dam or reservoir	Polo fields
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Low density residential	Hospital/medical centre	Filling station^H
Medium density residential	School	Landfill or waste treatment site
High density residential	Tertiary education facility	Plantation
Informal residential	Church	Agriculture
Retail commercial & warehousing	Old age home	River, stream or wetland
Light industrial	Sewage treatment plant ^A	Nature conservation area
Medium industrial ^{AN}	Train station or shunting yard ^N	Mountain, Koppie or ridge
Heavy industrial ^{AN}	Railway line^N	Museum
Power station	Major road (4 lanes or more) ^N	Historical building
Office/consulting room	Airport ^N	Protected Area
Military or police base/station/compound	Harbour	Graveyard
Spoil heap or slimes dam ^A	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe)

If any of the boxes marked with an "N" are ticked, how this impact will / be impacted upon by the proposed activity? Specify and explain:

Railway Line and/or filling station will not be impacted upon, although it is within the 500m buffer area of the MPLC Development.

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

N/A

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

N/A

Does the proposed site (including any alternative sites) fall within any of the following?

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO
Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

Section B: SITE/area/PROPERTY description – Alternatives

Section B Copy No. (e.g. A): B

4. Has a specialist been consulted to assist with the completion of this section? YES ~~NO~~

If YES, please complete the form entitled “Details of specialist and declaration of interest” for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

1 Gradient of the Site

Erf Name	Gradient of Site
Erf 1(c)	1:50 – 1:20
Erf 2617	1:50 – 1:20
Erf 11	1:50 – 1:20
Erf 1650	1:50 – 1:20
Erf 6797	1:50 – 1:20
Erf 1866	1:50 – 1:20
Erf 7802	1:50 – 1:20
Erf 3585	1:50 – 1:20
Erf 4711	1:50 – 1:20
Erf 4440	1:50 – 1:20
Erf 6704	1:50 – 1:20
Erf 1 - Boichoko	1:50 – 1:20

2 Location in Landscape

Erf Name	Location in landscape
Erf 1(c)	Plain
Erf 2617	Plain
Erf 11	Plain
Erf 1650	Plain
Erf 6797	Plain
Erf 1866	Plain
Erf 7802	Plain
Erf 3585	Plain
Erf 4711	Plain
Erf 4440	Plain
Erf 6704	Plain
Erf 1 - Boichoko	Plain

3 Groundwater, Soil and Geological Stability of the Site

Erf Name	Groundwater Soil & Geological Stability							
	Shallow water table (less than 1.5m deep)	Dolomite, sinkhole or doline areas	Seasonally wet soils (often close to water bodies)	Unstable rocky slopes or steep slopes with loose soil	Dispersive soils (soils that dissolve in water)	Soils with high clay content (clay fraction more than 40%)	Any other unstable soil or geological feature	An area sensitive to erosion
Erf 1(c)	No	No	No	No	No	No	No	No
Erf 2617	No	No	No	No	No	No	No	No
Erf 11	No	No	No	No	No	No	No	No
Erf 1650	No	No	No	No	No	No	No	No
Erf 6797	No	No	No	No	No	No	No	No
Erf 1866	No	No	No	No	No	No	No	No
Erf 7802	No	No	No	No	No	No	No	No
Erf 3585	No	No	No	No	No	No	No	No
Erf 4711	No	No	No	No	No	No	No	No
Erf 4440	No	No	No	No	No	No	No	No
Erf 6704	No	No	No	No	No	No	No	No
Erf 1 - Boichoko	No	No	No	No	No	No	No	No

4 Groundcover

Erf Name	Groundcover
Erf 1(c)	Natural veld with scattered aliens E
Erf 2617	Sport field
Erf 11	Building or other structure
Erf 1650	Gardens
Erf 6797	Bare soil
Erf 1866	Natural veld with scattered aliens E
Erf 7802	Natural veld with scattered aliens E
Erf 3585	Natural veld with scattered aliens E
Erf 4711	Sport field
Erf 4440	Gardens
Erf 6704	Natural veld - Good condition E
Erf 1 - Boichoko	Sport field

5 Surface Water

Erf Name	Surface Water					
	Perennial River	Non-Perennial River	Permanent Wetland	Seasonal Wetland	Artificial Wetland	Estuarine / Lagoonal wetland
Erf 1(c)	No	No	No	No	No	No
Erf 2617	No	No	No	No	No	No
Erf 11	No	No	No	No	No	No
Erf 1650	No	No	No	No	No	No
Erf 6797	No	No	No	No	No	No
Erf 1866	No	No	No	No	No	No
Erf 7802	No	No	No	No	No	No
Erf 3585	No	No	No	No	No	No
Erf 4711	No	No	No	No	No	No
Erf 4440	No	No	No	No	No	No
Erf 6704	No	No	No	No	No	No
Erf 1 - Boichoko	No	No	No	No	No	No

6 Land Use Character of Surrounding Area

Erf Name	Land uses within 500m radius																
	Natural area	Low density residential	Medium density residential	High density residential	Informal residential	Retail commercial & warehousing	Light industrial	Medium industrial ^{AM}	Heavy industrial ^{AM}	Power station	Office/consulting room	Military or police base/ station/ compound	Spoil heap or slimes dam ^A	Quarry, sand or borrow pit	Dam or reservoir	Hospital/medical centre	School
Erf 1(c)	x			x													
Erf 2617				x												x	x
Erf 11				x													
Erf 1650				x													
Erf 6797				x													
Erf 1866	x			x													
Erf 7802	x			x													
Erf 3585	x			x													
Erf 4711				x													x
Erf 4440				x													x
Erf 6704	x			x													
Erf 1 - Boichoko				x													

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Erf Name	Land uses within 500m radius																									
	Tertiary education facility	Church	Old age home	Sewage treatment plant ^A	Train station or shunting yard ^N	Railway line ^N	Major road (4 lanes or more) ^N	Airport ^N	Harbour	Sport facilities	Golf course	Polo fields	Filling station ^H	Landfill or waste treatment site	Plantation	Agriculture	River, stream or wetland	Nature conservation area	Mountain, Koppie or ridge	Museum	Historical building	Protected Area	Graveyard	Archaeological site	Other land uses (describe)	
Erf 1(c)						x							x													
Erf 2617		x				x			x																	
Erf 11						x							x													
Erf 1650																										
Erf 6797																										
Erf 1866									x																	
Erf 7802						x							x													
Erf 3585						x							x													
Erf 4711									x																	
Erf 4440									x																	
Erf 6704																	x									
Erf 1 - Boichoko									x																	

7 Cultural/Historical Features

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES	NO
Uncertain	

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) to establish whether there is such a feature(s) present on or close to the site. Briefly explain the findings of the specialist:

Will any building or structure older than 60 years be affected in any way?
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

YES	NO
YES	NO

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8 Socio-Economic Character

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

29% (2011)

Economic profile of local municipality:

Main Economic Sectors: Mining

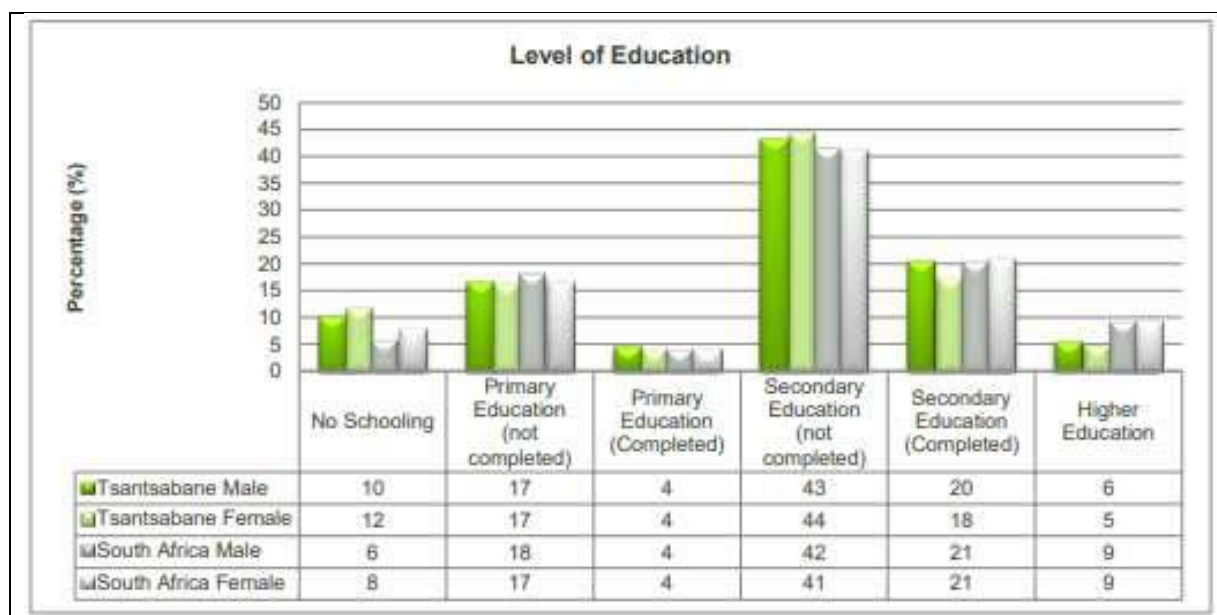
The unemployment rate of Tsantsabane Local Municipality decreased substantially from 45% in 2001 to 29% in 2011.

Mining is the largest employing sector in Tsantsabane Local Municipality employing 54,5% of the population, followed by Community Services employing 15,2% of the population.

In Tsantsabane, the average annual household income during 2011 was R110 329, higher than the Northern Cape average at that stage. The Annual Household Income of Tsantsabane LM can be summarised as follows:

- 16% no income;
- 13% of the households have an income of R1 – R9 600;
- The majority of the households have an income of R9 601 – R38 200;
- 15% of the households have an income of R38 201 – R76 400; and
- 21% have an income of R76 401 or more.

Level of education:



b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R 53 259 028,08
What is the expected yearly income that will be generated by or as a result of the activity?	(R 114 750,00 per month) R1 377 000,00
Will the activity contribute to service infrastructure?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Is the activity a public amenity?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	265
What is the expected value of the employment opportunities during the development and construction phase?	R 16 712 398,08
What percentage of this will accrue to previously disadvantaged individuals?	80-90 %
How many permanent new employment opportunities will be created during the operational phase of the activity?	66
What is the expected current value of the employment opportunities during the first 10 years?	(R 5 940 000,00 per annum) R 59 400 000,00
What percentage of this will accrue to previously disadvantaged individuals?	100 %

9 Biodiversity

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	CBA Maps 2018 are used.
				Areas that are irreplaceable for meeting biodiversity targets. There are no other options for conserving the ecosystems, species or ecological processes in these areas.

- b) **Indicate and describe the habitat condition on site**

Habitat Condition	Percentage of ha 28,314244°S habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	30%	Natural areas have been overgrazed and is heavily fragmented.
Near Natural (includes areas with low to moderate level of alien invasive plants)	13%	Scattered alien species are present throughout the site.
Degraded (includes areas heavily invaded by alien plants)	5%	Alien species present include <i>Prosopis glandulosa</i> and <i>Agave spp.</i>
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	52%	Numerous roads, both vehicle and animal tracks, fragment the site. Building rubble also covers a large area along the South Eastern part of the site.

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems								
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchanneled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline			
	Endangered									
	Vulnerable									
	Least Threatened	YES	NO	UNSURE	YES	NO	YES	NO		

- d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site

Kuruman Thornveld (Erf 1c; Erf 11; Erf 2617; Erf 1866 and partially Erf 1650 – as well as Erf 3585 Alternative 01)

This vegetation type usually consists of flat rocky plains and some sloping hills with very well-developed, closed shrub layer and well-developed open tree stratum, mainly consisting of *Vachellia erioloba*.

This vegetation type has Summer and autumn rainfall with very dry winters. MAP about 300–450 mm. Frost frequent in winter.

Biogeographically Important Taxa (^{GW}Griqualand West endemic, ^KKalahari endemic, ^SSouthernmost distribution in interior of southern Africa) Small Trees: *Acacia luederitzii* var. *luederitzii*^K, *Terminalia sericea*^S. Tall Shrub: *Acacia haematoxylon*^K. Low Shrub: *Blepharis marginata*^{GW}. Graminoid: *Digitaria polyphylla*^{GW}. Herb: *Corchorus pinnatipartitus*^{GW}.

Endemic Taxon Herb: *Gnaphalium englerianum*.

None of the Biogeographically important taxa and/or endemic taxa were present on site during the time of assessment.

Protected trees, *Boscia albitrunca*; *Vachellia heamatoxylon* and *Vachellia erioloba* were present on site.

Conservation Least threatened. Target 16%. Only 0.3% statutorily conserved in the Witsand Nature Reserve.

Postmasburg Thornveld (Erf 6797 and partially Erf 1650)

This vegetation type usually consists of flats surrounded by mountains which support open shrubby thornveld with a dense shrub layer and often lacking a tree layer. The grass layer is sparse, and shrubs are generally low.

This vegetation type has Summer and autumn rainfall with very dry winters. MAP about 250–350 mm. Frost frequent in winter.

Important Taxa Tall Tree: *Acacia erioloba* (d). Small Trees: *Acacia karroo* (d), *A. tortilis* subsp. *heteracantha* (d), *Rhus lancea* (d), *Ziziphus mucronata* (d). Tall Shrubs: *Rhus tridactyla* (d), *Diospyros lycioides* subsp. *lycioides*, *Ehretia rigida* subsp. *rigida*, *Grewia flava*, *Tarchonanthus camphoratus*. Low Shrubs: *Acacia hebeclada* subsp. *hebeclada* (d), *Felicia muricata*, *Gomphocarpus fruticosus* subsp. *fruticosus*, *Lantana rugosa*, *Melolobium microphyllum*, *Sutera halimifolia*. Succulent Shrubs: *Kalanchoe rotundifolia*, *Lycium cinereum*. Graminoids: *Digitaria eriantha* subsp. *eriantha* (d), *Enneapogon scoparius* (d), *Eragrostis lehmanniana* (d), *Aristida adscensionis*, *A. congesta*, *A. diffusa*, *Eragrostis superba*, *Heteropogon contortus*, *Melinis repens*, *Schmidtia pappophoroides*, *Stipagrostis uniplumis*. Herbs: *Dicoma anomala*, *Geigeria filifolia*, *G. ornativa*, *Hibiscus pusillus*, *Jamesbrittenia aurantiaca*, *Selago densiflora*, *Tripteris aghillana*. Geophytic Herb: *Boophone disticha*.

Biogeographically Important Taxa (Griqualand West endemics) Succulent Shrub: *Euphorbia bergii*. Graminoid: *Digitaria polyphylla*.

None of the Biogeographically important taxa and/or endemic taxa were present on site during the time of assessment.

Conservation Least threatened. Target 16%. None of the unit is conserved in statutory conservation areas, but very little has been transformed. Erosion is very low.

Section C: Public Participation

1 Advertisement and Notice

Publication name	Gemsbok newspaper	
Date published	11 October 2019	
Site notice position	Latitude	Longitude
	28° 18' 51.2784" S	23° 4' 8.60628" E
	28° 18' 54.31896" S	23° 4' 14.82996" E
Date placed	25 October 2019	

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

2 Determination of appropriate measures

PLEASE REFER TO APPENDIX E2

3 Issues Raised by Interested and Affected Parties

PLEASE REFER TO APPENDIX E3

4 Comments and Response Report

PLEASE REFER TO APPENDIX E3

5 Authority Participation

PLEASE REFER TO APPENDIX E4

6 Consultation with Other Stakeholders

PLEASE REFER TO APPENDIX E5 and E6

Section D: Impact Assessment

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014 and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1 Impact that may result from the planning and design, Construction, Operational, Decommissioning and Closure phases as well as Proposed Management of Identified Impacts and Proposed Mitigation Measures

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A(2) of this report.

#	Project Phase	Activity	Element	Impact Description	Impact Type Degree of loss	Duration	Scale	Severity	Initial Probability	Initial RISK Before mitigation
1	Site Clearance	Clearing Indigenous Vegetation	Flora	Loss of protected plant specimens	Direct Negative Moderate	Medium term	Site	Medium	Definite	50
2	Site Clearance	Clearing Soils	Flora	Loss of topsoil	Direct Negative Moderate	Permanent	Site	High	Definite	70
3	Site Clearance	Generation and accumulation of vegetation stockpiles	Infrastructure	Changes in soil functionality: loss of topsoil	Direct Negative Moderate	Permanent	Site	High	Definite	70
4	Construction	Construction: earth works	Infrastructure	Impact on traffic and transport networks	Indirect Negative Low	Permanent	Local	Low	Definite	45
5	Construction	Construction: earth works	Land use	Generation and cumulation of waste	Direct Negative Moderate	Permanent	Site	Medium	Definite	60

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#	Project Phase	Activity	Element	Impact Description	Impact Type Degree of loss	Duration	Scale	Severity	Initial Probability	Initial RISK Before mitigation
7	Construction	Construction: earth works	Air	Changes in air quality - dust	Direct Negative Low	Short term	Site	Low	Definite	20
6	Construction	Operation of facility	Infrastructure	Changes to municipal service delivery	Direct Positive Moderate	Permanent	Local	High	Definite	75
8	Construction	Rehabilitation	Land use	Restoration of soil functionality and production	Direct Positive High	Permanent	Site	High	Definite	70
9	Operational	Maintenance and monitoring	Economic	Costs: Change in land use value	Direct Positive Moderate	Permanent	Local	High	Definite	75
#	Operational	Operation of facility	Flora	Impact on traffic and transport networks	Indirect Negative Low	Permanent	Local	Low	Definite	45
#	Operational	Rehabilitation	Flora	Establishment of protected plants	Direct Positive High	Permanent	Site	High	Definite	70
#	Operational	Maintenance and monitoring	Sense of Place	Changes in social interaction with environment	Direct Positive Moderate	Permanent	Local	High	Definite	75

A complete impact assessment in terms of Regulation 19(3) of GN 733 must be included as Appendix F.

2 Environmental impact statement

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

#	Project Phase	Activity	Element	Impact Description	Impact Type Degree of loss	Final Probability	Final RISK Residual Impact
1	Site Clearance	Clearing Indigenous Vegetation	Flora	Loss of protected plant specimens	Direct Negative Moderate	Improbable	10
2	Site Clearance	Clearing Soils	Flora	Loss of topsoil	Direct Negative Moderate	Probable	28
3	Site Clearance	Generation and accumulation of vegetation stockpiles	Infrastructure	Changes in soil functionality: loss of topsoil	Direct Negative Moderate	Probable	28
4	Construction	Construction: earth works	Infrastructure	Impact on traffic and transport networks	Indirect Negative Low	Definite	45
5	Construction	Construction: earth works	Land use	Generation and cumulation of waste	Direct Negative Moderate	Highly Probable	48
7	Construction	Construction: earth works	Air	Changes in air quality - dust	Direct Negative Low	Definite	20
6	Construction	Operation of facility	Infrastructure	Changes to municipal service delivery	Direct Positive Moderate	Improbable	15
8	Construction	Rehabilitation	Land use	Restoration of soil functionality and production	Direct Positive High	Improbable	14

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#	Project Phase	Activity	Element	Impact Description	Impact Type Degree of loss	Final Probability	Final RISK Residual Impact
9	Operational	Maintenance and monitoring	Economic	Costs: Change in land use value	Direct Positive Moderate	Improbable	15
#	Operational	Operation of facility	Flora	Impact on traffic and transport networks	Indirect Negative Low	Definite	45
#	Operational	Rehabilitation	Flora	Establishment of protected plants	Direct Positive High	Improbable	14
#	Operational	Maintenance and monitoring	Sense of Place	Changes in social interaction with environment	Direct Positive Moderate	Improbable	15

SECTION E. Recommendation of practitioner

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?

YES	NO
----------------	----

If "NO", indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment).

--

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application.

<p>The Municipality have requested a 5-year limit is set for the completion and commencement of the project to allow for sufficient time to construct this project taking municipal financial challenges into account.</p> <p>The search and rescue plan for flora, fauna and topsoil resources must be in place before site clearance, taking specialist requirements into consideration.</p> <p>The traffic management plan must be compiled for construction and operations before construction commence.</p>

Is an EMPr attached?

YES	NO
----------------	----

The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

Chrizette Deona Neethling

NAME OF EAP

SIGNATURE OF EAP

DATE

Section F: Appendixes

The following appendixes must be attached:

Appendix A: Maps

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports (including terms of reference)

Appendix E: Public Participation

Appendix F: Impact Assessment

Appendix G: Environmental Management Programme (EMPr)

Appendix H: Details of EAP and expertise

Appendix I: Specialist's declaration of interest

Appendix J: Additional Information

Appendix K: Screening Report