



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

BASIC ASSESSMENT REPORT - EIA REGULATIONS, 2014

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.

File Reference Number:

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NEAS Reference Number:

(For official use only)

Date Received:

Due date for acknowledgement:

Due date for acceptance:

Due date for decision

Kindly note that:

1. The report must be compiled by an independent Environmental Assessment Practitioner.
2. 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.
3. Where applicable **tick** the boxes that are applicable in the report.
4. 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 Department of Economic Development, Environment and Tourism as the competent authority (Department) for assessing the application, it may result in the rejection of the application as provided for in the regulations.
5. An incomplete report may be returned to the applicant for revision.
6. Unless protected by law, all information in the report will become public information on receipt by the department. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.

7. The Act means the National Environmental Management Act (No. 107 of 1998) as amended.
8. Regulations refer to Environmental Impact Assessment (EIA) Regulations of 2014.
9. The Department may require that for specified types of activities in defined situations only parts of this report need to be completed. No faxed or e-mailed reports will be accepted.
10. This application form must be handed in at the offices of the Department of Economic Development, Environment and Tourism:-

<p><u>Postal Address:</u></p> <p>Central Administration Office Environmental Impact Management P. O. Box 55464 POLOKWANE 0700</p>	<p><u>Physical Address:</u></p> <p>Central Administration Office Environmental Affairs Building Cnr Suid and Dorp Streets POLOKWANE 0699</p>
<p>Queries should be directed to the Central Administration Office: Environmental Impact Management:-</p> <p>For attention: Mr E. V. Maluleke</p> <p>Tel: (015) 290 7138/ (015) 290 7167</p> <p>Fax: (015) 295 5015</p> <p>Email: malulekeev@ledet.gov.za</p>	

View the Department's website at [http://www.ledet.gov.za/](http://www.ledet.gov.za) for the latest version of the documents.

SECTION A: ACTIVITY INFORMATION

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

YES	
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If YES, please complete the form entitled "Details of specialist and declaration of interest" or appointment of a specialist for each specialist thus appointed:

Any specialist reports must be contained in Appendix D.

1. ACTIVITY DESCRIPTION

Describe the activity, which is being applied for, in detail¹:

The facilities, structures and infrastructure proposed to be constructed comprise an area of approximately 5 hectares and is proposed to consist of the following:

- Drop-off area (where guests will be dropped off);
- Business centre;
- Recreation centre and central facility with lapa, pool and pond;
- 20 Executive villas;
- 60 Staff units;
- Back of house units (laundry, storage etc), with service delivery entrance;
- Reservoir with a capacity of more than 250kL; and
- Sewage treatment plant (60m³ per day capacity).

Infrastructure proposed:

Water will be supplied from a borehole located east of the N1. Water will be routed from the borehole by means of a 140mm HDPE pipeline, crossing the N1 up to a point along the pipeline route where a 480kl booster pump sump will be constructed. From the reservoir, water will be pumped to the reservoir position at the lodge.

Sewage effluent will be diverted to a sewage package plant where the water will be treated to acceptable DWS Standards and then discharged into the drainage line that flows to the existing dam.

Greywater will be collected along a separate reticulation system and collected into a sump that will be used for irrigation purposes.

¹ Please note that this description should not be a verbatim repetition of the listed activity as contained in the relevant Government Notice, but should be a brief description of activities to be undertaken as per the project description.

Indicate the number and date of the relevant notice: e.g. R. 983, 08 December 2014	Activity No (s) (in terms of the relevant notice) e.g. 1(a)	Describe each listed activity as per project description ² : e.g. Construction of a 600 mW generator
R983 of 2014	12	<p><i>The development of structures and/or infrastructure with a physical footprint of 100 square meters or more, where such development occurs (a) Within a watercourse.</i></p> <p>A drainage line is located within the perimeter of alternative 1 and 3 and construction of some structures and infrastructure are proposed within the boundary of the drainage line.</p>
R983 of 2014	19	<p><i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from –</i></p> <p>(i) A watercourse.</p> <p>More than 10 cubic metres of material (pebbles, rock and sand) will be used and moved within a watercourse during the construction phase</p>
R983 of 2014	27	<p><i>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance is required for –</i></p> <p>(i) The undertaking of a linear activity; or</p> <p>(ii) Maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>More than 1 hectare of indigenous vegetation will be cleared during the construction of the lodge</p>
R985 of 2014	6	<p><i>The development of resorts, lodges, hotels and tourism or hospitality facilities that sleeps 15 people or more within the specific areas identified in the systematic biodiversity or bioregional plans</i></p> <p>A 60-sleeper lodge is proposed within an area identified in the systematic biodiversity/bioregional plans as a Critical Biodiversity Area</p>
R985 of 2017	2	<p><i>The development of reservoirs for bulk water supply with a capacity of more than 250 cubic metres:</i></p> <p>o Within Limpopo (iii) outside urban areas, within (dd) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p> <p>A reservoir exceeding a capacity of 250 cubic metres will be installed for the storage of potable water</p>
R985 of 2017	12	<p><i>The clearance of an area of 300 square metres 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:</i></p> <ul style="list-style-type: none"> • Within (a) Limpopo, within (i) critical biodiversity areas identified in bioregional plans. <p>More than 300 square meters of indigenous vegetation will be affected by the construction of this lodge.</p>

² Please note that this description should not be a verbatim repetition of the listed activity as contained in the relevant Government Notice, but should be a brief description of activities to be undertaken as per the project description
LEDET BA Report, EIA 2014: Project Name: _____ - 4

R985 of 2017	14	<p><i>The development of (xii) infrastructure or structures with a physical footprint of 10 square metres or more where such development occurs within a (a) watercourse</i></p> <ul style="list-style-type: none"> • <i>Within (a) Limpopo, (ii) outside urban areas, in (ff) critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</i> <p><i>A drainage line is located within the perimeter of alternative 1 and 3 and construction of some structures and infrastructure are proposed within the drainage line. A specialist will delineate the extent of the drainage line.</i></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. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity 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 Department 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.

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

3. ACTIVITY POSITION

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 Hartebeeshoek 94 WGS84 spheroid in a national or local projection.

List alternative sites, if applicable.

Latitude (S):

Longitude (E):

Alternative:

Alternative S1³ (preferred or only site alternative)

22°	47'	17.71"	29°	54'	32.59"
22°	47'	22.37"	29°	55'	58.00"
22°	45'	57.50"	29°	56'	9.68"

Alternative S2 (if any)

Alternative S3 (if any)

In the case of linear activities:

Alternative:

Latitude (S):

Longitude (E):

Alternative S1 (preferred or only route alternative)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

Alternative S2 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

Alternative S3 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

Alternative 1:

*Alternative 1 is proposed on the Remainder of the farm Juliana 647 MS.
 The area proposed for alternative 1 is surrounded by rocky outcrops which provides an aesthetically attractive landscape for the proposed lodge. The highest points are located on the eastern, southern and western boundaries of the site with the lowest point located in the centre of the proposed development sloping toward the north.
 The site is located close to existing infrastructure, Eskom power connection and main road.*

Alternative 2:

*Alternative 2 is proposed on portion 1 of the farm Coen Brits 646 MS.
 Alternative 2 is proposed on a relatively densely vegetated rocky outcrop with the highest point located at the centre of the proposed development, sloping towards the north, south, east and west. This alternative location provides an aesthetically attractive landscape with exceptional views from the crest in all directions. There is no access to this proposed development area and existing infrastructure is located far from this site. Besides these limitations, the construction of a lodge on a rocky surface area, will increase construction cost.*

³ "Alternative S.." refer to site alternatives.

Alternative 3:

Alternative 3 is also proposed on portion 1 of the farm Coen Brits 646 MS.

Alternative 3 is proposed within the northern section of the Lion Farm and is relatively flat with no attractive features that would add to the aesthetic value of the lodge. An ephemeral watercourse (drainage basin) runs through the centre of the proposed development area.

Alternative 3 is easily accessible via an existing vehicle track and the area is relatively flat. The proposed area is however located far from the existing main lodge and other infrastructure and no electricity connection is located nearby.

4. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

- Alternative A1⁴ (preferred activity alternative)
- Alternative A2 (if any)
- Alternative A3 (if any)

or,

for linear activities:

Size of the activity:

Approx. 50 000m ²
Approx. 50 000m ²
Approx. 50 000m ²

Length of the activity:

Alternative:

- Alternative A1 (preferred activity alternative)
- Alternative A2 (if any)
- Alternative A3 (if any)

m
m
m

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Size of the site/servitude:

Alternative:

- Alternative A1 (preferred activity alternative)
- Alternative A2 (if any)
- Alternative A3 (if any)

m ²
m ²
m ²

⁴ "Alternative A.." refer to activity, process, technology or other alternatives.

5. SITE ACCESS

Does ready access to the site exist?

YES	NO
N/A	

If NO, what is the distance over which a new access road will be built

Describe the type of access road planned:

For the preferred alternative, existing access roads will be used and paved

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

6. SITE OR ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

- 6.1 the scale of the plan which must be at least a scale of 1:500;
- 6.2 the property boundaries and numbers of all the properties within 50 metres of the site;
- 6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 6.4 the exact position of each element of the application as well as any other structures on the site;
- 6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 6.6 all trees and shrubs taller than 1.8 metres;
- 6.7 walls and fencing including details of the height and construction material;
- 6.8 servitudes indicating the purpose of the servitude;
- 6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
 - rivers;
 - the 1:100 year flood line (where available or where it is required by Department of Water Affairs);
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or invested with alien species);
- 6.10 for gentle slopes the 1 metre contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
- 6.11 the positions from where photographs of the site were taken.

7. SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this form. It must be supplemented with additional photographs of relevant features on the site, if applicable.

8. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

11. ACTIVITY MOTIVATION

9(a) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R80 000 000	
What is the expected yearly income that will be generated by or as a result of the activity?	R35,000,000	
Will the activity contribute to service infrastructure?	YES	NO
Is the activity a public amenity?	YES	NO
How many new employment opportunities will be created in the development phase of the activity?	150	
What is the expected value of the employment opportunities during the development phase?	R13,500,000	
What percentage of this will accrue to previously disadvantaged individuals?	90%	
How many permanent new employment opportunities will be created during the operational phase of the activity?	100	
What is the expected current value of the employment opportunities during the first 10 years?	R60,000,000	
What percentage of this will accrue to previously disadvantaged individuals?	95%	

9(b) Need and desirability of the activity

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

NEED:			
i.	Was the relevant municipality involved in the application?	YES	NO
ii.	Does the proposed land use fall within the municipal Integrated Development Plan?	YES	NO
iii.	If the answer to questions 1 and / or 2 was NO, please provide further motivation / explanation:		
	The owner of Ekland Safaris would like to develop a section of the property he owns by creating a 60-sleeper lodge that would benefit the surrounding rural communities by providing job opportunities during		

	<p>the construction and operational phase.</p> <p>Tourism is an important source of income for many countries and especially South Africa. Besides employment opportunities created such as lodge staff, tour guides etc., tourists spend money by purchasing food, clothing, souvenirs and daily necessities from local shops and amenities. Bringing tourists into a community, creates opportunities for entrepreneurs to establish new services and products, or facilities that would not be sustainable based on the local population of residents alone.</p>
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DESIRABILITY:			
i.	Does the proposed land use / development fit the surrounding area?	YES	NO
ii.	Does the proposed land use / development conform to the relevant structure plans, Spatial development Framework, Land Use Management Scheme, and planning visions for the area?	YES	NO
iii.	Will the benefits of the proposed land use / development outweigh the negative impacts of it?	YES	NO
iv.	<p>If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation:</p> <p>The land use of the farm on which the development is proposed as well as the surrounding land is used for game keeping/farming. The surrounding nature and wildlife of the game farm will remain well preserved and protected as the undeveloped surrounding area would be the main attraction for tourists. The development of a 60-sleeper lodge would therefore fit the current land use.</p>		
v.	Will the proposed land use / development impact on the sense of place?	YES	NO
vi.	Will the proposed land use / development set a precedent?	YES	NO
vii.	Will any person's rights be affected by the proposed land use / development?	YES	NO
viii.	Will the proposed land use / development compromise the "urban edge"?	YES	NO
ix.	<p>If the answer to any of the question 5-8 was YES, please provide further motivation / explanation.</p>		

BENEFITS:			
i.	Will the land use / development have any benefits for society in general?	YES	NO
ii.	<p>Explain:</p> <p>The establishment of the lodge would not have a huge impact on society in general as benefits of the</p>		

	lodge would be restricted mostly to local communities		
iii.	Will the land use / development have any benefits for the local communities where it will be located?	YES	NO
iv.	Explain:		
	Job opportunities during the construction and operational phase will be sourced locally and will subsequently benefit the local communities		

10. 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:	Administering authority:	Date:
<p>The Constitution of South Africa, Act No. 108 of 1996</p> <p>The applicant will be required to adhere to the Environmental Management Programme (EMPr) requirements to ensure that social and environmental management considerations are considered and implemented, to give effect to the rights enshrined in the Constitution.</p> <p>As per Section 32 the Constitution, a public participation process (PPP) was and will continue to be undertaken as this is considered to be an essential mechanism for informing stakeholders of their rights and obligations in terms of the project.</p>		1996
<p>National Environmental Management Act, 1998 (Act No. 107 of 1998)</p> <p>The activities associated with the construction and</p>	National Department of Environmental Affairs	1998

<p>operation of the 60-sleeper lodge require Environmental Authorisation as per the Environmental Impact Assessment Regulations (GNR 983 and GNR 985 of 2014, as amended in 2017), promulgated in terms of the National Environmental Management Act 107 of 1998 (NEMA 107, 1998).</p>		
<p>National Water Act, 1998 (Act No. 36 of 1998) Section 21 of the National Water Act 36 of 1998, lists activities which require a Water Use Licence prior to commencement of such activities.</p>	<p>National Department of Water and Sanitation</p>	<p>1998</p>
<p>National Heritage Resources Act of 1999 (Act No. 25 of 1999) Application for a Phase 1 Heritage Impact Assessment in terms of Section 38 of the National Heritage Resources Act (Act No 25 of 1999), must be made with the Provincial Heritage Resources Authority of Limpopo (LIHRA)</p>	<p>South African Heritage Resources Agency</p>	<p>1999</p>
<p>Makhado Local Municipality Integrated Development Plan One of the objectives identified within the Makhado IDP is to improve the socio-economic environment of the local community. Temporary and permanent job opportunities will be created by the construction and operation of the 60-sleeper lodge and this assists with the improvement of the socio-economic environment within Makhado Local Municipality.</p>	<p>Makhado Local Municipality</p>	<p>2017</p>
<p>Limpopo Environmental Management Act No. 7 of 2003 The project will require that vegetation be cleared, and construction activities take place within a Critical Biodiversity Area as identified within the Limpopo Conservation Plan of 2014. The applicant will be required</p>	<p>Limpopo Economic Development, Environment and Tourism</p>	<p>2003</p>

to adhere to all regulations stipulated within this act.

11. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

11(a) Solid waste management

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

YES	NO
120 m ³	

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

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

A subcontractor will be contracted to remove all solid waste to the nearest landfill site

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

Makhado landfill site

Will the activity produce solid waste during its operational phase?

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

YES	NO
Approx. 80 m ³	

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

A subcontractor will be contractor to remove all solid waste off site to the nearest landfill site

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

Solid waste will feed into the municipal waste stream. Subcontractor will collect and dispose of waste at a registered landfill site.

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 department 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 relevant legislation?

YES	NO
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If yes, inform the department and request a change to an application for scoping and EIA.

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 Department to determine whether it is necessary to change to an application for scoping and EIA.

11(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?

YES	NO

Will the activity produce any effluent that will be treated and/or disposed of on site?

If yes, the applicant should consult with the Department to determine whether it is necessary to change to an application for scoping and EIA. **The daily throughput of effluent amounts to 60m³ which is less than the 2000m² threshold which would trigger listed activity 25 of GNR 983 of 2014 (as amended in 2017). (NEMA 107 of 1998)**

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:		
Contact person:		
Postal address:		
Postal code:		
Telephone:	Cell:	
E-mail:	Fax:	

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

Grey water will be collected along another reticulation network and collected into a sump where it will be treated and used for irrigation purposes.

11(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

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 should 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:

N/A

11(d) Generation of noise

Will the activity generate noise?

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 should consult with the competent authority to determine whether

it is necessary to change to an application for scoping and EIA.
 If no, describe the noise in terms of type and level:

N/A

12. 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
		X			

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:

46 440m ³	
YES	NO

Does the activity require a water use permit from the Department of Water Affairs?

If yes, please submit the necessary application to the Department of Water Affairs and attach proof thereof to this application if it has been submitted.

13. ENERGY EFFICIENCY

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

N/A – the layout of the site has been designed, however specific design measures are still in progress.

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

N/A – Eskom power supply

SECTION B: SITE/AREA/PROPERTY DESCRIPTION

Important notes:

1. 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 C and indicate the area, which is covered by each copy No. on the Site Plan.

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

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

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

YES	
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If YES, please complete the form entitled “Details of specialist and declaration of interest” for each specialist thus appointed:

All specialist reports must be contained in Appendix D.

Property description/physical address:

**The remainder of the farm Juliana 647 MS;
Portion 1 of the farm Coen Brits 646 MS
Makhado Local Municipality
Limpopo Province**

(Farm name, portion etc.) Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application.

As above

In instances where there is more than one town or district involved, please attach a list of towns or districts to this application.

Current land-use zoning:

Agricultural – Game farming

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
YES	NO

Must a building plan be submitted to the local authority?

Locality map:

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.) The map must indicate the following:

- an indication of the project site position as well as the positions of the alternative sites, if any;
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (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)

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat	1:50 – 1:20 X	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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Alternative S2 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10 X	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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Alternative S3 (if any):

Flat X	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

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

2.1 Ridgeline	S2	2.6 Plain	
2.2 Plateau		2.7 Undulating plain / low hills	
2.3 Side slope of hill/mountain		2.8 Dune	
2.4 Closed valley	S1	2.9 Seafront	
2.5 Open valley	S3		

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

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

	Alternative S1:		Alternative S2 (if any):		Alternative S3 (if any):	
	YES	NO	YES	NO	YES	NO
Shallow water table (less than 1.5m deep)	YES	NO	YES	NO	YES	NO
Dolomite, sinkhole or doline areas	YES	NO	YES	NO	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO	YES	NO	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO	YES	NO	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO	YES	NO	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO	YES	NO	YES	NO
Any other unstable soil or geological feature	YES	NO	YES	NO	YES	NO

An area sensitive to erosion

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

YES	NO
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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

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. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that does 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:

5.1 Natural area	X	5.22 School	
5.2 Low density residential		5.23 Tertiary education facility	
5.3 Medium density residential		5.24 Church	
5.4 High density residential		5.25 Old age home	
5.5 Medium industrial ^{AN}		5.26 Museum	
5.6 Office/consulting room		5.27 Historical building	
5.7 Military or police base/station/compound		5.28 Protected Area	
5.8 Spoil heap or slimes dam ^A		5.29 Sewage treatment plant ^A	
5.9 Light industrial		5.30 Train station or shunting yard ^N	
5.10 Heavy industrial ^{AN}		5.31 Railway line ^N	

5.11 Power station		5.32 Major road (4 lanes or more)	
5.12 Sport facilities		5.33 Airport ^N	
5.13 Golf course		5.34 Harbour	
5.14 Polo fields		5.35 Quarry, sand or borrow pit	
5.15 Filling station ^H		5.36 Hospital/medical centre	
5.16 Landfill or waste treatment site		5.37 River, stream or wetland	X
5.17 Plantation		5.38 Nature conservation area	
5.18 Agriculture		5.39 Mountain, koppie or ridge	X
5.19 Archaeological site	X	5.40 Graveyard	
5.20 Quarry, sand or borrow pit		5.41 River, stream or wetland	
5.21 Dam or Reservoir		5.42 Other land uses (describe)	

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

N/A

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

If YES, specify and explain:	N/A
If NO, specify:	N/A

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

If YES, specify and explain:	N/A
If NO, specify:	N/A

6. 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

NO

Archaeological or palaeontological sites, on or close (within 20m) to the site?

Uncertain

If YES, explain: Please refer to the attached Heritage and Palaeontological Assessment

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

Briefly explain the findings of the specialist:

Alternative 1: *The site was found to be devoid of any heritage sites with significance. It is recommended that obscured, subterranean sites be managed, if they are encountered. A small rock shelter with signs of occupation was identified just outside the perimeter of the proposed development area. It will however not be affected by the proposed development.*

Alternative 2: *A medium sized Early Iron Age site was discovered on the north-western side of the proposed development area. The absence of stone walling suggests a site possibly older than Venda or Mapungubwe industries. Only one decorated potsherd could be found with what appears to be K2 type cross hatching decoration. The site will have to be mitigated since it is inside the development area.*

Alternative 3: *The site was found to be devoid of any heritage sites with significance.*

Site alternative 1 or 3 is recommended for development and no fatal flaws were identified.

Will any building or structure older than 60 years be affected in any way?	YES	NO
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO

If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT

The person conducting a public participation process must take into account any guidelines applicable to public participation as contemplated in section 24J of the Act and must give notice to all potential interested and affected parties of the application which is subjected to public participation by—

- (a) fixing a notice board (of a size at least 60cm by 42cm; and must display the required information in lettering and in a format as may be determined by the department) at a place conspicuous to the public at the boundary or on the fence of—
 - (i) the site where the activity to which the application relates is or is to be undertaken; and
 - (ii) any alternative site mentioned in the application;
- (b) giving written notice to—
 - (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;

- (ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;
 - (v) the municipality which has jurisdiction in the area;
 - (vi) any organ of state having jurisdiction in respect of any aspect of the activity; and
 - (vii) any other party as required by the department;
- (c) placing an advertisement in—
- (i) one local newspaper; or
 - (ii) any official *Gazette* that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;
- (d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official *Gazette* referred to in subregulation 54(c)(ii); and
- (e) using reasonable alternative methods, as agreed to by the department, in those instances where a person is desiring of but unable to participate in the process due to—
- (i) illiteracy;
 - (ii) disability; or
 - (iii) any other disadvantage.

2. CONTENT OF ADVERTISEMENTS AND NOTICES

A notice board, advertisement or notices must:

- (a) indicate the details of the application which is subjected to public participation; and
- (b) state—
 - (i) that the application has been submitted to the department in terms of these Regulations, as the case may be;
 - (ii) whether basic assessment or scoping procedures are being applied to the application, in the case of an application for environmental authorisation;
 - (iii) the nature and location of the activity to which the application relates;
 - (iv) where further information on the application or activity can be obtained; and
 - (v) the manner in which and the person to whom representations in respect of the application may be made.

3. PLACEMENT OF ADVERTISEMENTS AND NOTICES

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the department in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of these Regulations.

Advertisements and notices must make provision for all alternatives.

4. DETERMINATION OF APPROPRIATE MEASURES

The practitioner must ensure that the public participation is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees, ratepayers associations and traditional authorities where appropriate. Please note that public concerns that emerge at a later stage that should have been addressed may cause the department to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.

5. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments and respond to each comment of the public before the application is submitted. The comments and responses must be captured in a comments and response report as prescribed in these Regulations and be attached to this application. The comments and response report must be attached under Appendix E.

6. AUTHORITY PARTICIPATION

Please note that a complete list of all organs of state and or any other applicable authority with their contact details must be appended to the basic assessment report or scoping report, whichever is applicable.

Authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input.

Name of Authority informed:	Comments received (Yes or No)
Department of Water and Sanitation	No
Department of Economic Development, Environment and Tourism	No
SAHRA	No

Makhado Local Municipality	No
Vhembe District Municipality	No

7. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for linear activities, or where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that subregulation to the extent and in the manner as may be agreed to by the department.

Proof of any such agreement must be provided, where applicable.

Has any comment been received from stakeholders?

YES	NO
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If “YES”, briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

No comments received to date.

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. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the main issues raised by interested and affected parties.

No issues raised to date

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached to this report as Annexure E):

N/A

2. IMPACTS 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

List the potential direct, indirect and cumulative property/activity/design/technology/operational alternative related impacts (as appropriate) 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.

Alternative (preferred alternative) – *Please refer to the attached document (Appendix G)*

Direct impacts:

Indirect impacts:

Cumulative impacts:

3. 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.

Alternative 1 (preferred alternative)

IMPACT	MAGNITUDE	EXTENT	PHASE	PROBABILITY	SIGNIFICANCE AFTER MITIGATION
Ecological impact	High	Site specific	Construction and	Definite	Low

			operation		
Erosion and storm water control (flooding)	High	Site specific	Construction and operation	Probable	Low
Ground and surface water pollution	Medium	Local	Construction and operation	Probable	Low
Heritage and Palaeontological impact	Medium	Site specific	Construction	Probable	Very low
Sanitation and waste management	Medium	Site specific	Construction and operation	Probable	Very low
Impact on traffic disruption	Low	Site specific	Construction	Probable	Very low
Visual impact	Low	Site specific	Construction	Probable	Very low
Aesthetic value to proposed lodge	Low	Site specific	Operation	Probable	Very low
Noise impact	Low	Site specific	Construction	Probable	Very low
Health and safety of employees	High	Site specific	Construction	Probable	Very low
Socio-economic impact	High	Local	Construction and operation	Definite	High (+)

No-go alternative (compulsory)

IMPACT	MAGNITUDE	EXTENT	PHASE	PROBABILITY	SIGNIFICANCE AFTER MITIGATION
Ecological impact	N/A	N/A	N/A	N/A	Neutral
Erosion and storm water control (flooding)	N/A	N/A	N/A	N/A	Neutral

Ground surface and water pollution	N/A	N/A	N/A	N/A	Neutral
Heritage and Palaeontological impact	N/A	N/A	N/A	N/A	Neutral
Sanitation and waste management	N/A	N/A	N/A	N/A	Neutral
Impact on traffic disruption	N/A	N/A	N/A	N/A	Neutral
Visual impact	N/A	N/A	N/A	N/A	Neutral
Aesthetic value to proposed lodge	N/A	N/A	N/A	N/A	Neutral
Noise impact	N/A	N/A	N/A	N/A	Neutral
Health and safety of employees	N/A	N/A	N/A	N/A	Neutral
Socio-economic impact	High	Local	Construction and operation	Definite	High (-)

Alternative 2

IMPACT	MAGNITUDE	EXTENT	PHASE	PROBABILITY	SIGNIFICANCE AFTER MITIGATION
Ecological impact	High	Site specific	Construction and operation	Definite	High
Erosion and storm water control (flooding)	High	Site specific	Construction and operation	Probable	Very Low
Ground surface and water pollution	Medium	Local	Construction and operation	Probable	Very Low
Heritage and Palaeontological	High	Site specific	Construction	Probable	High

impact					
Sanitation and waste management	Medium	Site specific	Construction	Probable	Very Low
	Medium	Site specific	Operation	Probable	Medium
Impact on traffic disruption	Low	Site specific	Construction	Probable	Very low
Visual impact	Low	Site specific	Construction	Probable	Low
Aesthetic value to proposed lodge	Medium	Site specific	Operation	Definite	Medium
Noise impact	Low	Site specific	Construction	Probable	Very low
Health and safety of employees	Medium	Site specific	Construction	Probable	Very low
Socio-economic impact	High	Local	Construction and operation	Definite	High (+)

Alternative 3

IMPACT	MAGNITUDE	EXTENT	PHASE	PROBABILITY	SIGNIFICANCE AFTER MITIGATION
Ecological impact	High	Site specific	Construction and operation	Definite	Low
Erosion and storm water control (flooding)	Medium	Site specific	Construction and operation	Probable	Low
Ground and surface water pollution	Medium	Local	Construction and operation	Probable	Low
Heritage and Palaeontological impact	High	Site specific	Construction	Probable	Very low
Sanitation and waste	Medium	Site specific	Construction	Probable	Very low

management					
Impact on traffic disruption	Low	Site specific	Construction	Probable	Very low
Visual impact	Low	Site specific	Construction	Probable	Very low
Aesthetic value to proposed lodge	Low	Site specific	Operation	Definite	Very low
Noise impact	Low	Site specific	Construction	Probable	Very low
Health and safety of employees	Medium	Site specific	Construction	Probable	Very low
Socio-economic impact	High	Local	Construction and operation	Definite	High (+)

For more alternatives please continue as alternative D, E, etc.

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
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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 department in respect of the application:

In terms of the above environmental impact statement of all alternatives considered and assessed, site alternative 2 is not preferred and subsequently, site alternative 1 or 3 would be the most suitable for development.

Due to the distance of alternative 3 from existing infrastructure, the cost of construction would be very high. The

comparison of the aesthetic value of alternative 1 and 3, concludes that alternative 1 would add mostly to the aesthetic value that the lodge would aim to achieve for its guests.

Taking all environmental, biophysical and socio-economic aspects into consideration, alternative 1 would be preferred for development as the investigation has not identified any potential impacts on the biophysical or social environment that are so severe as to suggest that the construction of the lodge at site alternative 1 should not proceed. Some conditions and mitigation measures to be considered for inclusion in the Environmental Authorisation, include the following:

- Recommendations to be provided by SAHRA (South African Heritage Resources Association) must be adhered to;
- A Paleontological field assessment must be conducted for site alternative 1 prior to construction;
- All conditions contained within the Water Use License to be issued must be adhered to;
- All mitigation measures contained within the Environmental Management Programme must be complied with;
- The connectivity with the drainage basin immediately to the south of the site alternative 1 must be designed and managed in such a manner to ensure ecological connectivity that surface water run-off from the development site may not be impede or diverted from its natural flow patterns towards the basin;
- Conserve all vegetation on rocky outcrops by implementing a buffer zone around these outcrops where no development may take place;
- The single *Acacia erioloba* specimen must be conserved in situ with a buffer as large as its crown.
- Conserve as many as possible protected trees within the development footprint. The destruction or relocation of protected trees must be consulted with DAFF from whom permission must be obtained.
- The potential presence of important herbaceous plants must be investigated by a specialist (during their growth period) before construction and if present these must be managed or relocated per the specialist's recommendation
- A storm water management plan must be implemented to divert water away from the development area;
- It is recommended that a Paleontological field investigation is conducted prior to the commencement of construction activities at site alternative 1.

Is an EMPr attached?

YES	NO
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The EMPr must be attached as Appendix F.

SECTION F: APPENDIXES

The following appendixes must be attached as appropriate:

Appendix A: Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports

Appendix E: Comments and responses report

Appendix F: Environmental Management Programme (EMPr)

Appendix G: Other information

SECTION G: DECLARATION BY THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

I, _____ declare that I –

- (a) act as the independent environmental practitioner in this application;
- (b) do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;
- (c) do not have and will not have a vested interest in the proposed activity proceeding;
- (d) have no, and will not engage in, conflicting interests in the undertaking of the activity;
- (e) undertake to disclose, to the competent authority, any material information that has or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the Environmental Impact Assessment Regulations, 2006;
- (f) will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- (g) will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the Department in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the Department may be attached to the report without further amendment to the report;
- (h) will keep a register of all interested and affected parties that participated in a public participation process; and
- (i) will provide the Department with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not.

Signature of the Environmental Assessment Practitioner:

Name of company:

Date: