



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 20 Hans Van Rensburg Street / 19 Biccard Street POLOKWANE 0699</p>
<p>Queries should be directed to the Central Administration Office: Environmental Impact Management:-</p> <p>For attention: Mr E. V. Maluleke Mobile: 082 947 7755 Email: malulekeev@ledet.gov.za</p>	

View the Department's website at <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 proposed redevelopment will fall within the current Hospital site boundary which is approximately 30ha in extent. The study area is disturbed and completely transformed from its natural state and as indicated has various buildings related to the current operation of the hospital.

The proposed construction of the redevelopment of Tshilindzini Hospital will include the following activities:

- Emergency Centre including Victims of Violence unit
- Theatre
- ICU and High Care (Adult)
- Renal Dialysis Unit
- Adult Wards
- TB Ward and MDR Clinic
- Maternity Unit Including Ante Natal Ward, Delivery Unit (10 Delivery Rooms), Maternity High Care, Caesarean Theatres (x2), Post Natal Ward, Pregnant Mothers Lodge
- Paediatric Ward and Neonatal Ward including Milk kitchen and Mother Lodgers
- Overnight Lodge for patients awaiting transport to a higher level of care
- Doctors area
- Diagnostics Radiology
- Blood Services (Blood Bank)
- National Health Laboratory Services

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.

- Clinical Engineering
- Pharmacy
- Out Patient Department
- Rehabilitation (Allied Health)
- Central Kit Room
- Administration and Support Services
- Resource Centre
- Kitchen
- Laundry
- Mortuary
- Waste management area
- Maintenance (Facilities and Grounds) and Plant Rooms
- Gateway Clinic
- O&P Workshop
- Staff Accommodation

This whole component translates to 60 005m² of gross building area.

Existing buildings that are to be repurposed and reused for Administration purposes. Staff accommodation which is further divided into two subcomponents, for instance, the prioritized 146 staff accommodation units which are to cater for the existing approved staff, and the balance of 108 staff accommodation units which are for the full staff contingent that will be appointed when the facility is fully operational.

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 S1² (preferred or only site alternative)

22°	59'	34.57"	30°	24'	53.56"

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

² "Alternative S.." refer to site alternatives.

- End point of the activity

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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.

4. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1³ (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

or,

for linear activities:

Size of the activity:

219 000m ²

Length of the activity:

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

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)

5. SITE ACCESS

Does ready access to the site exist?

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

m

³ "Alternative A.." refer to activity, process, technology or other alternatives.
LEDET BA Report, EIA 2014: Project Name: Tshilindzini Hospital Redevelopment

Describe the type of access road planned: _____

Access will be gained from R524 and the current main entrance to the hospital

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?
 What is the expected yearly income that will be generated by or as a result of the activity?
 Will the activity contribute to service infrastructure?
 Is the activity a public amenity?
 How many new employment opportunities will be created in the development phase of the activity?
 What is the expected value of the employment opportunities during the development phase?
 What percentage of this will accrue to previously disadvantaged individuals?
 How many permanent new employment opportunities will be created during the operational phase of the activity?
 What is the expected current value of the employment opportunities during the first 10 years?
 What percentage of this will accrue to previously disadvantaged individuals?

R2.3 Billion	
R	
YES	NO
YES	NO
2500	
R	
%	
1000	
R	
%	

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	
ii.	Does the proposed land use fall within the municipal Integrated Development Plan?	YES	
iii.	If the answer to questions 1 and / or 2 was NO, please provide further motivation / explanation:		

DESIRABILITY:			
i.	Does the proposed land use / development fit the surrounding area?	YES	
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	
iii.	Will the benefits of the proposed land use / development outweigh the negative impacts of it?	YES	
iv.	If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation:		

v.	Will the proposed land use / development impact on the sense of place?		NO
vi.	Will the proposed land use / development set a precedent?		NO
vii.	Will any person's rights be affected by the proposed land use / development?		NO
viii.	Will the proposed land use / development compromise the "urban edge"?		NO
ix.	If the answer to any of the question 5-8 was YES, please provide further motivation / explanation.		

BENEFITS:			
i.	Will the land use / development have any benefits for society in general?	YES	
ii.	Explain: The proposed redevelopment of the hospital will assist in providing adequate health care to the surrounding community by increasing the capacity and facilities available.		
iii.	Will the land use / development have any benefits for the local communities where it will be located?	YES	
iv.	Explain: The development will assist with provision of health care facilities, community skill transfer and employment opportunities during construction and operation phases.		

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:
National Environmental Management Act No. 107 of 1998 as amended.	National & Provincial	27 Nov 1998
The Bill of Rights, Constitution of South Africa, Section 27 (1)(b)	National Government	1994
Environmental Impact Assessment Regulations and Listings Notices	National & Provincial	02 Aug 2010

National Heritage Resource Act (Act No.107 of 1999)	National & Provincial	Act No.25 of 1999
Town Planning and Township Ordinance	National & Provincial	Section 108, 15 of 1998
National Water Act (Act No.36 of 1998)	National & Provincial	26 Aug 1998
National Environmental Management Act No. 107 of 1998 as amended.	National & Provincial	27 Nov 1998
Integrated Environmental Management Information Series – Stakeholder engagement	National	2002

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	
20m ³	
Construction waste will be a combination of building rubble from demolishing buildings and discarded building material (left over concrete, packaging, pipes etc.)	

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

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

Waste management will occur by separating of potentially hazardous and general construction waste. Hazardous waste will be stored in a closed container, collected and transferred and disposed of at a registered hazardous waste disposal facility. Construction waste will be stored in a skip, collected, transferred and disposed of at a registered waste disposal facility.

Waste storage/collection areas must be rehabilitated once construction has been completed.

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

A registered operator will collect and transfer the waste to a registered landfill facility for the respective waste stream.

Will the activity produce solid waste during its operational phase?

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

YES	
105m ³	

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

Dedicated waste areas will be provided where waste will be stored in an enclosed and roofed area, where access is controlled. Waste will be stored separately where general solid waste will be removed on a weekly basis by the municipality and disposed of at a registered waste disposal facility. Medical waste will be stored in a controlled area and separate from general waste. The medical waste will be removed on a weekly basis or more frequently if required by a registered health care waste contractor. Waste will be incinerated at a licensed health care waste incineration facility.

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

Medical waste facility - TBC

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	
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If yes, inform the department and request a change to an application for scoping and EIA.

A Scoping and Environmental Impact Assessment process is not required as the Medical waste (hazardous waste) produced from the Hospital will not trigger the need for a Scoping and EIA as per the National Environmental Management Act (Act 107 of 2008) and accompanying regulations (EIA Regulations) as well as the National Environmental Management: Waste Act (Act 59 of 2008).

NEM:WA states the threshold for requirement of a BA is storage of 80m hazardous waste, however as the proposed development falls within the urban edge, a Waste Management License will not be required.

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

	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?

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

m ³

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

	NO
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If yes, the applicant should consult with the Department 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?

	NO
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If yes, provide the particulars of the facility:

Facility name:

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Contact person:

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Postal address:

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Postal code:

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Telephone:

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Cell:

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E-mail:

Fax:

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

11(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

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

	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:

11(d) Generation of noise

Will the activity generate noise?

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

	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:

The activity is not expected to generate excessive noise during operational phase. It is expected that the noise profile will remain similar to the existing noise experienced currently as similar activities on site will occur.

12. WATER USE

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

<input checked="" type="checkbox"/> municipal	<input type="checkbox"/> water board	<input checked="" type="checkbox"/> groundwater	<input type="checkbox"/> river, stream, dam or lake	<input type="checkbox"/> other	<input type="checkbox"/> 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:

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

YES	
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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:

Solar PV (Grid tied)
Solar Hot Water and Heat pumps
Energy Efficient lighting
Energy Efficient Heating, Ventilation and Air Conditioning (HVAC)

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

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	NO
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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:

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

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:

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	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):

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Alternative S3 (if any):

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2. LOCATION IN LANDSCAPE

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

2.1 Ridgeline		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		2.9 Seafront	
2.5 Open valley			

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):	
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

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	X
5.2 Low density residential	X	5.23 Tertiary education facility	
5.3 Medium density residential		5.24 Church	X
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	X
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	X
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	X	5.39 Mountain, koppie or ridge	
5.19 Archaeological site		5.40 Graveyard	
5.20 Quarry, sand or borrow pit		5.41 River, stream or wetland	X
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	YES	
Archaeological or palaeontological sites, on or close (within 20m) to the site?	Uncertain	
If YES, explain:		
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:		
Will any building or structure older than 60 years be affected in any way?	YES	
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	
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)
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Department of water and sanitation	
Department of forestry	
Limpopo Heritage Resources Agency	
Thulamela Local Municipality	

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):

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.

TBC

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):

TBC

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)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Proposal

Potential impacts:	Significance rating of impacts:	Proposed mitigation:	Significance rating of impacts after mitigation:
FLORA: Damage or loss of vegetation			
Weeds and alien species will be introduced and seeds will spread due to disturbance	Moderate	Implementation of an Alien Invasive Species Eradication Plan	None
Dumping of waste within the watercourse	Low	All sensitive environments must be fenced or demarcated before any construction on site can start. A designated area must be provided for dumping of waste, this area must be located far away from the sensitive environmental areas. Waste must be collected on a regular basis to avoid it from spreading.	None
Burning of vegetation on site.	None	No burning is allowed on site, except if it is a planned fire such as a braai.	None
Construction vehicles driving through the watercourse and damaging vegetation.	Moderate	All sensitive environments must be fenced or demarcated before any construction on site can start. No workers allowed within the sensitive areas. No construction vehicles are allowed within the sensitive environments unless it is for the	None

		construction of the road / bridge.	
Dumping of construction material within the watercourse.	Low	All sensitive environments must be fenced or demarcated before any construction on site can start. A designated area must be provided for the dumping of construction material.	None
Erosion and siltation will result in destruction of the remaining vegetation	Moderate	Erosion measures must be implemented at all times.	Low
FAUNA & AVIFAUNA: decrease in biodiversity			
Removal of plant species/ habitat	Moderate	The removal of indigenous vegetation must be limited. In some instance the reeds or excess water plants will be removed, the removal of the vegetation must be managed since the reeds and other water plants are currently providing breeding space and shelter for the avifauna on site.	None
Noise pollution might disturb the fauna and avifauna on site.	Low	Noise must be limited to the normal working hours and kept to a minimum.	None
Possible injury / death to fauna and avifauna	Low	All staff members must be informed that they are not allowed to kill anything on site, including snakes. Toolbox talks must include environmental awareness.	None
Dumping of waste and construction material within the sensitive habitats	Moderate	No dumping is allowed on site. Designated areas must be identified for construction waste.	None
Fires	Moderate	No fires are allowed on site.	None
Movement of construction vehicles in the watercourse area.	Low	The sensitive habitats must be fenced off	None
SURFACE WATER: Pollution or loss of surface water			
Spillage of fuel / oil from construction vehicles or containers	High	Keep vehicles in good working order. Spills must be cleaned up immediately. Spill kits must be provided on site.	Moderate
Spillage of chemicals	High	All chemicals must be stored in a locked container with an impervious surface. Spills must be cleaned up immediately. Spill kits must be provided. All empty chemical containers must be placed in a bin marked as hazardous waste and must be taken to hazardous waste site.	None
Spillage of cement	Moderate	Cement must be contained in a locked container with an impervious surface.	Low
Mixing of cement on soil surface or within the watercourse	Moderate	Mixing of cement must take place on impervious surfaces such as a drip tray or a wheelbarrow. Plastic must be provided underneath the drip tray and wheelbarrow so as to avoid runoff from infiltrating into the ground. Mixing of cement must take place outside the watercourse and	Low

		buffer zones and must be done on a flat / level area.	
Maintenance or fixing of vehicles / machinery on site	Moderate	Maintenance or the fixing of broken vehicles must take place on a drip tray.	None
Washing of vehicles / machinery on site	Moderate	Washing of machinery / vehicles must be in a designated area with a proper storm water / drainage system.	None
Compaction of the soil due to construction activities and movement of vehicles / machinery will increase the runoff	Moderate	Compaction of soil can be mitigated by limiting the movement of the vehicles / machinery on site.	Low
Siltation and Erosion	Moderate	Erosion control measures, such as grass bales must be used.	None
Washing up (bathing, hand washing and washing of dishes / containers or clothes)	Moderate	Provide a proper area where staff can wash up.	None
GROUNDWATER: Pollution of groundwater			
Spillage of fuel / oil from construction vehicles or containers	Moderate	Keep vehicles in good working order. Spills must be cleaned up immediately. Spill kits must be provided on site.	Low
Spillage of chemicals	Moderate	All chemicals must be stored in a locked container with an impervious surface. Spills must be cleaned up immediately. Spill kits must be provided. All empty chemical containers must be placed in a bin marked as hazardous waste and must be taken to hazardous waste site.	Low
Spillage of cement	Moderate	Cement must be contained in a locked container with an impervious surface.	Low
Mixing of cement on soil surface	Moderate	Mixing of cement must take place on impervious surfaces such as a drip tray or a wheelbarrow. Plastic must be provided underneath the drip tray and wheelbarrow so as to avoid runoff from infiltrating into the ground. Mixing of cement must take place outside the watercourse and buffer zones and must be done on a flat / level area.	Low
Maintenance or fixing of vehicles / machinery on site	Moderate	Maintenance or the fixing of broken vehicles must take place on a drip tray.	Low
Washing of vehicles / machinery on site	Moderate	Washing of machinery / vehicles must be in a designated area with a proper storm water / drainage system.	Low
Compaction of the soil due to construction activities and movement of vehicles / machinery	Moderate	Compaction of soil can be mitigated by limiting the movement of the vehicles / machinery on site.	Low
Ablution facilities risk leakage	Moderate	Ensure that the ablution facilities are secured and in good working order	Low

Washing up (bathing, hand washing and washing of dishes / containers)	Moderate	Provide a proper area where staff can wash up.	Low
SOIL: Pollution and compaction of soil			
Removal of vegetation	Moderate	The removal of vegetation will be limited to the project footprint.	Low
Spillage of fuel / oil from construction vehicles or containers	Moderate	Keep vehicles in good working order. Spills must be cleaned up immediately. Spill kits must be provided on site.	Low
Spillage of chemicals	Moderate	All chemicals must be stored in a locked container with an impervious surface. Spills must be cleaned up immediately. Spill kits must be provided. All empty chemical containers must be placed in a bin marked as hazardous waste and must be taken to hazardous waste site.	Low
Spillage of cement	Moderate	Cement must be contained in a locked container with an impervious surface.	Low
Mixing of cement on soil surface	Moderate	Mixing of cement must take place on impervious surfaces such as a drip tray or a wheelbarrow. Plastic must be provided underneath the drip tray and wheelbarrow so as to avoid runoff from infiltrating into the ground. Mixing of cement must take place outside the watercourse and buffer zones and must be done on a flat / level area.	Low
Maintenance or fixing of vehicles / machinery on site	Moderate	Maintenance or the fixing of broken vehicles must take place on a drip tray.	Low
Washing of vehicles / machinery on site	Moderate	Washing of machinery / vehicles must be in a designated area with a proper storm water / drainage system.	Low
Erosion of soil	Moderate	Erosion must be prevented by implementing the storm water management plan such as the packing of grass bales, only removing the necessary vegetation on site.	Low
Unnecessary loss of soils due to site preparation	Moderate	Care must be taken so as to save as much soil as possible as this will be used during the rehabilitation and operation phases of the project.	Low
Compaction of the soil due to construction activities and movement of vehicles / machinery	Moderate	Compaction of soil can be mitigated by limiting the movement of the vehicles / machinery on site.	Low
Washing away of soil from stockpiles	Moderate	Cover stock piles with shade nets or vegetate to prevent erosion	Low
AIR QUALITY: Polluting or decreasing the quality of air			
Fires on site	Moderate	No fires on site unless it is a controlled fire for braai/picnic purposes.	None
Emissions from construction vehicles	Moderate	Maintain vehicles to minimise	None

		impact	
Waste flying through the air.	Moderate	Waste collection must be on a regular basis. Enough waste bins must be provided and site clean ups must take place at least once a day.	None
Cement bags / particles flying through the air	Moderate	Cement bags must be collected on a regular basis and must be placed in a bin with a lid.	None
Particulate matter and dust flying off moving vehicles	Moderate	Cover loads on back of all construction vehicles	None
Particulate matter may be lifted from the site and pose a health threat	Moderate	Dust suppression techniques must be implemented.	None
HEALTH: Spreading of diseases or decrease in health			
Using the field for ablution instead of toilets	Low	Enough toilets must be provided on site. The toilets should be located where people are working so as to provide easy and quick access. Workers must be informed that it is inappropriate to use the field when toilets are available.	None
Dust created during construction	Moderate	Dust suppression techniques must be used.	Low
Dumping of waste on site	Moderate	A designated area must be identified for construction waste and must be cleaned on a regular basis.	Low
Workers not using / wearing PPE	High	All workers must be provided with the correct PPE and they have to wear it when working on site.	None
Burning of material / hazardous waste on site	Moderate	No burning of any material, whether it is hazardous or not, are allowed to take place on site. The only fires allowed are fires for an organised braai or social event.	None
Spreading of diseases	Moderate	All workers must be informed of potential health risks on site as well as proper hygiene. Liquid soap, toilet paper and proper canteen / eating facilities must be provided.	None
Dehydration due to a lack of drinking water	High	It is essential that drinking water be provided on site. The drinking water must be in a shaded area.	None
NOISE			
Noise from construction related activities	Moderate	Where possible construction work should be undertaken during normal working hours (06H00 – 18H00) and not over a weekend and public holiday unless agreed with the community.	None
ODOUR			
Odour from burning material on site	Low	No burning is allowed on site, except if it is a planned fire such as a braai.	None
Odour from construction waste on site	Low	Waste must be collected on a regular basis and the area where waste is stored must be cleaned.	None
TRAFFIC			

Increase in construction vehicles	Moderate	Ensure that there are enough warning signs. Construction vehicles to limit movement on local roads.	Low
Traffic congestions due to the construction activities	Moderate	Traffic warning signs and Traffic control must take place to ensure that the traffic flows better.	None
SAFETY & SECURITY			
Theft of construction material and equipment	Moderate	The construction site must be fenced off and a Security Company must be appointed to secure the area.	None
The site is unsafe for locals, especially kids playing on construction site or residents passing through the site	High	When construction of the soccer field and associated activities are taking place that section of the park must be fenced.	Low
Home owner security at risk due to influx of workers into area	Moderate	No workers to be accommodated on site. The Community Police Forum must be notified of the construction activities.	Moderate
Construction vehicles at risk of theft or vandalism	Moderate	If the construction vehicles are parked on site, the construction site must be fenced off and a Security Company must be appointed to secure the area.	None
Unfair treatment of staff member can lead to dispute or strikes	Moderate	All workers must be treated fairly and a CLO must be appointed to assist with the communication between the workers and the contractor.	None
Safety risk when crossing busy roads to get to work / construction site	High	Staff members must be informed of road rules.	Low
Using inappropriate working methods or equipment	Moderate	All equipment must be serviced on a regular bases and workers must be corrected if using the equipment incorrectly	None
Workers not wearing the correct PPE	High	All workers / staff members must be provided with the correct PPE. All PPE must be marked so as to avoid workers from using each other's PPE	Low

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 A (preferred alternative)

The proposed project will have a medium / low impact after the mitigation measures have been implemented. Most of the impacts that could occur will be during the construction phase; when the vegetation on site is cleared, erosion not managed properly; spills occur and waste production. These impacts will therefore be short term, site specific and unlikely to take place with the correct mitigation measures.

The proposed development should have a positive impact on the surrounding community and environment within the study area as alien and invasive vegetation has overgrown the site, if and all mitigation is followed and implemented correctly.

No-go alternative (compulsory)

The No-Go Alternative will have a moderate negative impact on the study area and surrounding community. The No-Go Alternative will result in the continuance of investigation of alien and invasive species, lack of stormwater control and reduced capacity of the hospital to provide health care to the community.

If the proposed project is not completed the following environmental and socio-economic impacts will continue:

- Pollution of the stream / riparian areas as a result of the runoff and inefficient sewer connections/ spills
- Overgrowing of weeds and alien plant species.
- No job opportunities or skill transfers
- Limited health care surrounding communities;
- Degrading of air quality due to incorrect handling of waste
- Degrading of air quality due to use of damaged boiler

Alternative B

Alternative C

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	
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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):

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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:

- Adhere to the Environment Management Programme.
- Proper site management must be undertaken.
- The alien invasive plant species must be removed according to an Alien Invasive Species Eradication Plan.
- Rehabilitate after construction.
- Only indigenous vegetation should be utilised during rehabilitation.
- The area should be kept clear of litter and construction rubble.
- Disposal of waste at a registered waste disposal site
- Improve Environmental Awareness through the Interventions by adding notice boards or "Information Stations".
- Detailed geotechnical investigations must be done prior to development of structures that require foundations.
- Vegetable garden be established

Is an EMPr attached?
The EMPr must be attached as Appendix F.

YES	
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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, Erika van den Heever 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:

Newtown Landscape Architects

Name of company:

Date: