



**KHWWEZA**  
environmental consulting

**DRAFT BASIC  
ASSESSMENT  
REPORT**

SEPTEMBER 2022



**FOR THE PROPOSED CONSTRUCTION  
OF A NEW BASE STATION WITH A  
TELECOMMUNICATION MAST OF 36M,  
SITUATED AT ERF 147, 11 BULL  
BRAND ROAD, GLEN PARK,  
PINETOWN LOCATED WITHIN  
ETHEKWINI MUNICIPALITY**

**DETAILS OF ENVIRONMENTAL IMPACT PRACTITIONER (REFER TO APPENDICES H & I)**

<b>Name</b>	Mr. Nazeer R Jamal
<b>Postal Address</b>	Apartment 8, Fiona Heights, 155 Moses Kotane Road, Overport Durban 4091
<b>Mobile</b>	076 151 3334
<b>E-mail</b>	nazeer@khweza.net
<b>Qualification</b>	BSc Hons in Geography, Environmental Science and Economics
<b>Professional Registrations</b>	EAPASA Accredited Number: 2020/989
<b>Membership</b>	IAIAsa KZN Board Member, KZN Climate Change Committee Board Member, Minara Business Chambers, International Concordia Forum Alumni, Climate Reality Leadership Corps, WIEF Young Fellow Alumni.
<b>Experience</b>	14 years

<b>Name of Assistant</b>	<b>Qualifications</b>
<b>Mr. Riyaadh Motala</b>	BSoc Sci Geography & Environmental Management
<b>Ms. Aalia Motala</b>	BSc Honours Environmental Science

**DETAILS OF APPLICANT**

<b>Applicant</b>	Ilanga Technologies Proprietary Limited
<b>Contact Person</b>	Mr. Lizwi Siganga
<b>Physical Address</b>	Unit 2 23 Beech Gate Crescent Southgate Industrial Business Park
<b>Postal Address</b>	Unit 2 23 Beech Gate Crescent Southgate Industrial Business Park
<b>Mobile</b>	083 432 1284
<b>E-mail</b>	kznsaq@ilangatech.com

## EXECUTIVE SUMMARY

The proposed development application is to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so triggers an Environmental Impact Assessment (EIA) listed activity 3 of Listing Notice 3 as the mast is above 15m in height, is in KZN and is within 1km of a nature reserve. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crow's nest.

There is very little plant biodiversity within the development footprint. The site consists of mainly alien and invasive vegetation including species such as *Solanum mauritanium* (bugweed) and *Bidens pilosa* (blackjack) amongst the other species. There is a large indigenous tree in the middle of the property however the mast will be constructed in the south west corner of the property and as a result the indigenous tree will be trimmed and not removed. The alien vegetation and other invasive species will be cleared prior to construction and will be revegetated with indigenous grass/plants and maintained. Access to the site will be from the existing gate to the south east of the property. The zoning of the site is "Administration" and the land classification is "urban", surrounded by residential dwellings, schools, businesses, agencies, and estates.

Alternative 1 (A1) was chosen to be the preferred site for its low impact, ecologically safe, sustainable development Alternative 2 (A2). The preferred site (A1) for the proposed development is owned by the operator i.e Telkom, and the site is at a favourable altitude to provide the best quality service to the customer base. In addition, the site has been identified as an area that requires improved cellular coverage and has limited environmental and ecological value and so does not pose a serious threat to the receiving environment, even though the site is located within 1km of the nature reserve. If the developer had to choose sites outside of the 1km radius these sites would require an agreement signed by the landowners, which is not always feasible or accessible. The site has thus been deemed suitable for the proposed development, whereby no site alternatives have been considered.

In addition, the construction of the telecom mast is governed by approved procedures and SABS standards, thus there is limited scope for introducing alternatives to this aspect, however, the construction materials to be utilized would be of highest quality. All construction activities (building works/ infrastructure and installations) will be in line with the National Building Regulations and Building Standards together with the Occupational Health and Safety regulations. Manual methods are labor intensive but have the advantage of being selective which will reduce disturbance of vegetation and soil. Manual labor can select out alien invasives species whilst keeping indigenous specimens and the topsoil intact. All bulk services (water, electricity, sewage) are available within proximity to the site and the development will be linked with the existing infrastructure. Energy efficiency measures will be considered where possible during the life cycle of the development. No alternate type of technology was considered as this technology is governed by approved procedures and SABS standards

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present vacant state leading to potential vagrancy and spread of alien vegetation. Thus, the no-go option is not viable

The Basic Assessment considered relevant environmental aspects and impacts of the development and proposed mitigation during the construction and operational phases. Potential environmental impacts were identified and addressed in the BAR and the EMPr incorporates the lay-out and specialist recommendations to ensure that positive impacts are maximised, and negative impacts are prevented or minimised.

During the construction phase, the impacts on the biophysical environment such as air, noise and dust pollution, soil erosion, visual impacts, terrestrial ecology & biodiversity, ground pollution, generation of waste will be mitigated from High or Low, Medium to Low and Low to Negligible. During the operational phase the impacts of soil erosion and impacts to the terrestrial ecology & biodiversity will remain negligible due to mitigation practices that will be enforced. The threat level posed by the mast development is considered low and there will be little disruption in terms of ecosystem functioning. Once the construction phase is complete, all exposed soil should be revegetated with grass cover. All impacted areas during construction must be rehabilitated with locally indigenous plants. In addition, alien species need to be completely removed from the site as per existing legislation.

The positive impact associated with improved social, environmental and economic opportunities through the development, including temporary and permanent employment opportunities, are of high importance considering the current economic climate.

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## ACRONYM LIST

ACRONYM	DESCRIPTION
BAR	Basic Assessment Report
BID	Background Information Document
CBA	Critical Biodiversity Area
DEA	Department of Environmental Affairs
DMOSS/ D'MOSS	Durban Municipal Open Space System
DWS	Department of Water and Sanitation
ECO	Environmental Control Officer
EAP	Environmental Assessment Practitioner
EDTEA	Department of Economic Development, Tourism and Environmental Affairs
EIA	Environmental Impact Assessment
EIR	Environmental Impact Report
EM	eThekweni Municipality
EMPr	Environmental Management Programme
EPCPD	Environmental Planning and Climate Protection Department
GIS	Geographic Information Systems
GNR	Government Notice Regulation
HIA	Heritage Impact Assessment
HGM	Hydrogeomorphic
HWM	High Water Mark
IAPS	Invasive Alien Plants
I&APS	Interested & Affected Parties
IDP	Integrated Development Plan
KZN	Kwa Zulu Natal
LUMS	Land Use Management System
NEMA	National Environmental Management Act
NFEPA	National Freshwater Ecosystem Priority Area
NWA	National Water Act
PGDS	Provincial Growth & Development Strategy
PPP	Public Participation Process
PU	Planned Units
S24G	Section 24G of NEMA
SANBI	South African National Biodiversity Institute
SDF	Spatial Development Framework
SDP	Spatial Development Plan
SPLUMA	Spatial Planning & Land Use Management Act
WMA	Water Management Area

## 1 SECTION 1: DESCRIPTION OF THE PROPOSED ACTIVITY & LOCALITY

### 1.1 Project Title

EIA Application for the Proposed Construction of a New Base Station with a Telecommunication Mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glenpark, Pinetown, located within the eThekweni Municipality.

### 1.2 Description of the Activities to be Undertaken Incl. Associated Structure and Infrastructure

Khweza Environmental Consulting has been appointed by Ilanga Technologies Proprietary Limited as the EAP. The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality (Refer to Figure 1, Appendix A1 - Locality Map 1 and Appendix A2 - Locality Map 2). The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so potentially triggers an Environmental Impact Assessment (EIA) listed activity. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crows nest.

There is very little plant biodiversity within the development footprint. The site consists of mainly alien and invasive vegetation including species such as *Solanum mauritanum* (bugweed) and *Bidens pilosa* (blackjack) amongst the other species (Refer to Figure 2) There is a large indigenous tree in the middle of the property however the mast will be constructed in the south west corner of the property and as a result the indigenous tree will be trimmed and not removed. The alien vegetation and other invasive species will be cleared prior to construction and will be revegetated with indigenous grass/plants and maintained. Access to the site will be from the existing gate to the south east of the property.. The zoning of the site is "Administration" and the land classification is "urban", surrounded by residential dwellings, schools, businesses, agencies, and estates (Refer to Appendix A3 – SDP LUMS Map 1) The site is situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown, Kwa Zulu Natal with GPS coordinates 29°50'16.17"S and 30°52'44.0"E

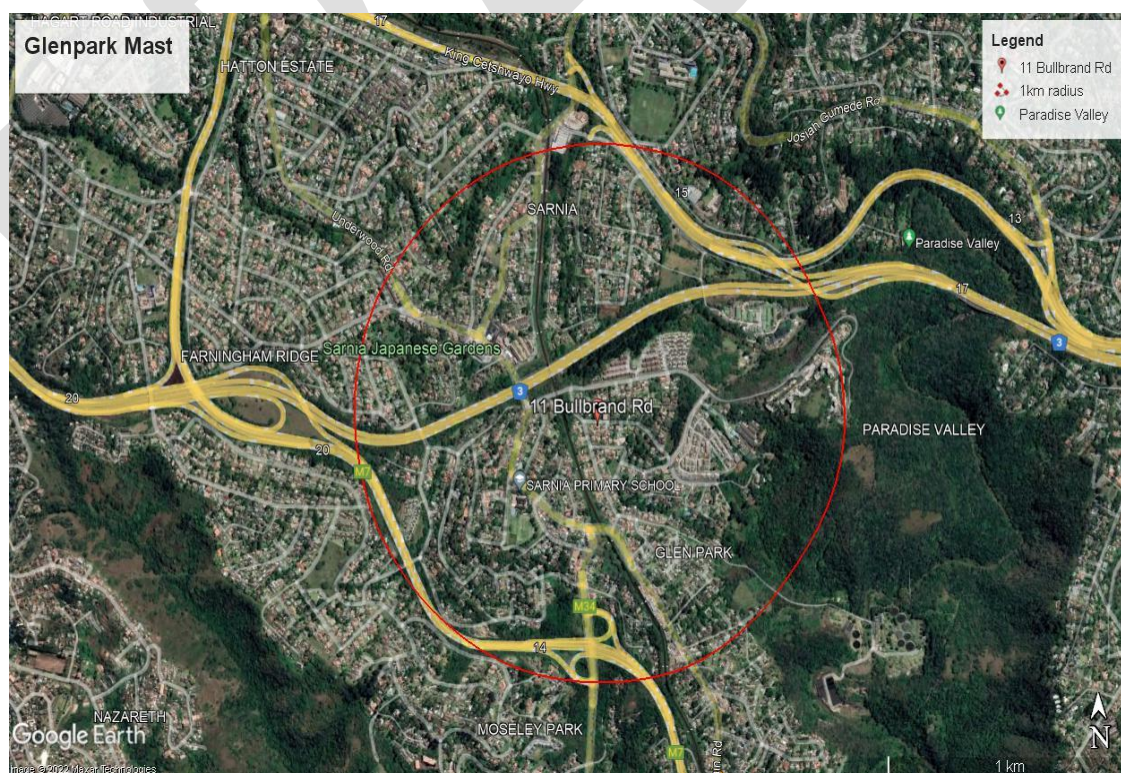


Figure 1: Locality Map and 1km radius from property.





Figure 2: Image of alien vegetation and indigenous tree on the property.

### 1.3 All Listed and Specific Activities Triggered and Applied For.

2014 NEMA EIA Regulations (as amended), all listed and specified activities triggered and being applied for:

GNR	Activity No.	Activity as per the legislation	Activity Applicability
985	3	The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower— (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height— but excluding attachments to existing buildings and masts on rooftops. d. KwaZulu-Nata xiii. Inside urban areas: (dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.	The proposed development will include the construction of a 36m high telecom mast within 1 km of the Paradise Valley Nature Reserve.

Table 1: Listed Activities Triggered.

## 1.4 Description of Feasible Alternatives

Consideration of alternatives is an important element in the EIA process. "Alternatives" are defined in the NEMA EIA Regulations, 2014 (SN 326, as amended in 2017) as: "In relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to the:

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

The role of the EAP is therefore to provide a framework for sound decision-making based on the principles of sustainable development. Potential alternatives that were considered for the proposed development is detailed in the sections that follow.

### **(a) the property on which or location where it is proposed to undertake the activity;**

Alternative 1:

The preferred site for the proposed development is A1 as the site is owned by the operator i.e., Telkom, and the site is at a favourable altitude to provide the best quality service to the customer base. In addition, the site has been identified as an area that requires improved cellular coverage and has limited environmental and ecological value and so does not pose a serious threat to the receiving environment, even though the site is located within 1km of the nature reserve. If the developer had to choose sites outside of the 1km radius these sites would require an agreement signed by the landowners, which is not always feasible or accessible. The site has thus been deemed suitable for the proposed development, whereby no site alternatives have been considered.

### **(b) the type of activity to be undertaken;**

Alternative 1:

The proposed activity includes the development of a base station and 36m telecom mast that is within 1km of the nature reserve. There are no other listed activities triggered and so no reasonable activity alternatives were investigated. No alternate type of activity was considered as this activity is the only reason for the application.

### **(c) the design or layout of the activity;**

Alternative 1:

The proposed mast will be 36m in height, with as base station and a footprint of approximately 64m<sup>2</sup>. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crows nest. The location of the mast and base station is away from the adjacent building and trees towards the front of the property (Refer to Appendix C1 – Preferred SDP Layout and Appendix J4 – Design Plans)

Alternative 2:

The proposed mast will be a guyed mast that would require a much larger footprint as well as a higher structure with more antennas and possibly the removal of the indigenous tree on the property. The guyed mast would not be able to be disguised as a tree mast due to its size and height.

### **(d) the technology to be used in the activity;**

Alternative 1:

The construction of the telecom mast is governed by approved procedures and SABS standards, thus there is limited scope for introducing alternatives to this aspect, however, the construction materials to be utilized would be of highest quality. All construction activities (building works/ infrastructure and installations) will be in line with the National Building Regulations and Building Standards together

with the Occupational Health and Safety regulations. Manual methods are labor intensive but have the advantage of being selective which will reduce disturbance of vegetation and soil. Manual labor can select out alien invasives species whilst keeping indigenous specimens and the topsoil intact. All bulk services (water, electricity, sewage) are available within proximity to the site and the development will be linked with the existing infrastructure. Energy efficiency measures will be considered where possible during the life cycle of the development. No alternate type of technology was considered as this technology is governed by approved procedures and SABS standards

**(e) the operational aspects of the activity;**

The activities to be undertaken for which environmental authorization is required does not include operational aspects.

**No Go Option - the option of not implementing the activity**

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present vacant state leading to potential vagrancy and spread of alien vegetation. Thus, the no-go option is not supported, however it has been assessed in the Impact Assessment (Refer to Appendix F - Impact Assessment).

## 1.5 Project Locality

<b>District Municipality</b>	eThekweni Municipality
<b>Local Municipality</b>	eThekweni Municipality
<b>Ward</b>	18
<b>Area / Town / Village</b>	Glenpark
<b>Property Description &amp; 21 Digit SG Code</b>	ERF 147 Lot 0260, 11 Bullbrand Road, Glenpark, Pinetown eThekweni, Kwazulu Natal - NOFT02600000014700000

Table 2: Location of the Proposed Activity

<b>GPS Co-ordinates</b>	<b>Latitude (S):</b>			<b>Longitude (E):</b>		
Alternative 1	29°	50'	16.17"	30°	52'	44.0"

Table 3: GPS Co-ordinates of Proposed Activity

<b>Design/Layout</b>	<b>Size of the Property:</b>	<b>Size of Footprint</b>
Alternative 1	1648 m <sup>2</sup>	64 m <sup>2</sup>

Table 4: Size of the Proposed Activity

## 1.6 Site Access

Access to the proposed development will be at the existing gate towards the southeast of the property along Bullbrand Road and the access to the mast will be through a 3m swing gate. No new access points will be required to be constructed and the structure will be fenced and locked to limit public access (Refer to Figure 3 and Appendix C1 - Preferred SDP Layout).

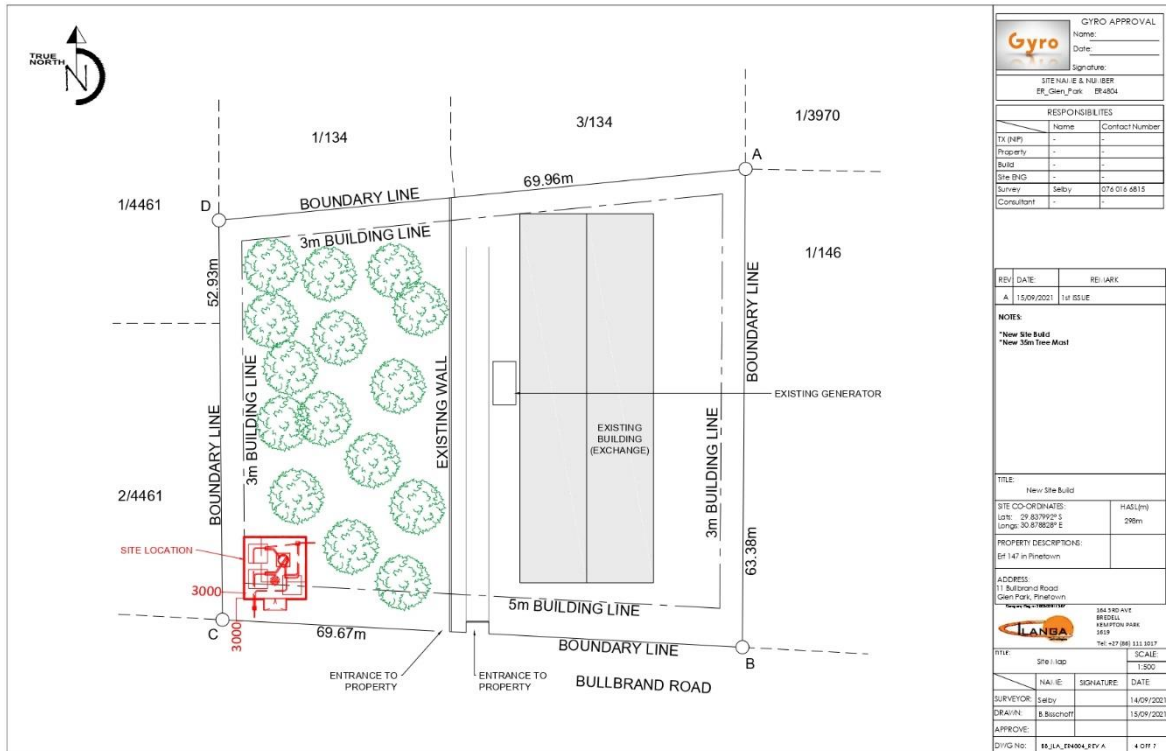


Figure 3: Site Access and Roads.

### 1.7 Zoning and Land Use Rights

The proposed development is to be 36m telecom mast with a base station of 64m<sup>2</sup> on the property totalling 1648m<sup>2</sup>. The property is currently vacant with a small unused building to the north and the rest of the property containing a few trees and alien vegetation. The property is currently zoned as Administration within the Inner West area of the eThekweni Municipality and so will require a special consent application to permit the construction of the telecom mast (Refer to Figure 4 and Appendix A3 – SDP LUMS Map 1).

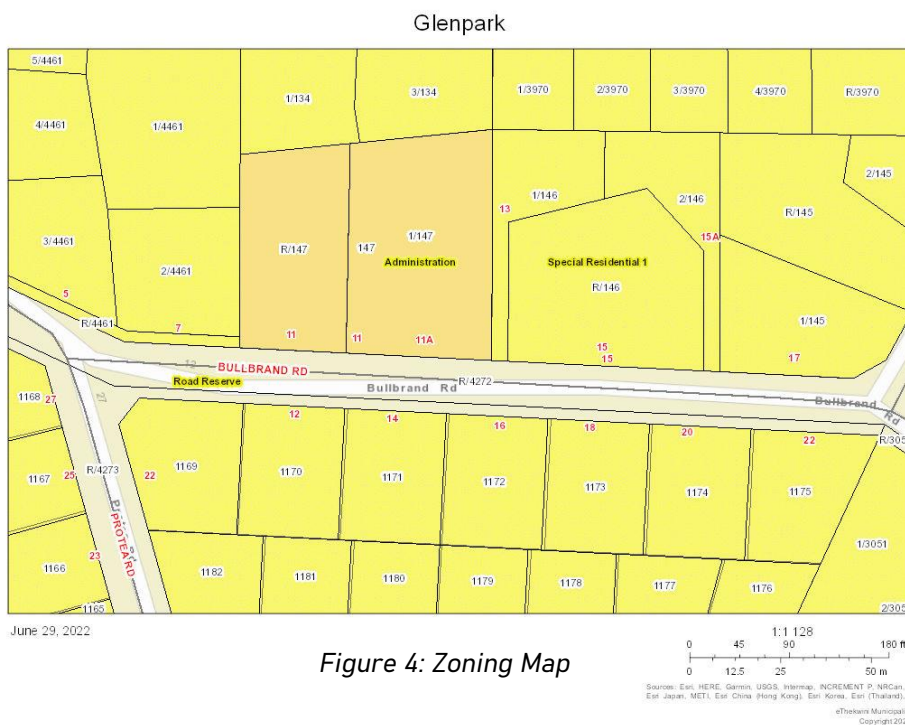


Figure 4: Zoning Map

As per the Provincial Growth and Development Strategy, 2012 - 2030 (PGDS), the strategic goal is environmental sustainability. An objective of this goal is to increase the productive use of the land. The development site, if left vacant, is an open opportunity for vagrant and illegal land settlers. Furthermore, there is currently a wide range of invasive alien flora that has colonised the site. Access to telecom coverage is an important factor in the improvement of the quality of lives for communities. The telecom mast will provide a necessary upgrade to existing coverage in the area. As part of the 2030 Vision of the Provincial Growth and Development Strategy, job creation and employing employable people are top priority. The development will generate approximately 50 employment opportunities for skilled, semi-skilled and unskilled employees during the construction and operational phases with a value of approximately R5 million, 60% of which will accrue to previously disadvantaged individuals which will enhance local economic growth.

According to the eThekweni Spatial Development Framework (SDF), the site is zoned as Administration and as per the zoning map, the activity will be permitted through a special consent application.

The eThekweni Municipality Integrated Development Plan (IDP) serves as a tool for transforming local governments towards facilitation and management of development within their areas of jurisdiction. The Municipal Systems Act identifies the IDP as a critical component in entrenching developmental local government principles. The development is thus aligned with the IDP in that it is providing increased access and quality of telecom coverage in an area that has been marked as requiring this service.

## **1.8 Water Use and Bulk Service Availability**

### **Water Supply Management**

The proposed development will obtain its water from existing municipal water services.

### **Stormwater Management**

The topography of the site is fairly flat and so does not pose a serious threat to existing stormwater services however general stormwater management will be undertaken to ensure no erosion or scouring of the surrounding properties.

### **Wastewater Management**

The proposed development will not generate any wastewater or effluent during the operational phase however during construction chemicals toilet will be used.

### **Solid Waste Management**

All solid waste generated during the construction phase will be collected, removed, and disposed of at a registered and suitable landfill site or recycled as required. No solid waste will be generated during the operational phase.

### **Electricity Supply & Telecoms Service**

The development will be provided with existing electrical supply from the eThekweni Electricity Department.

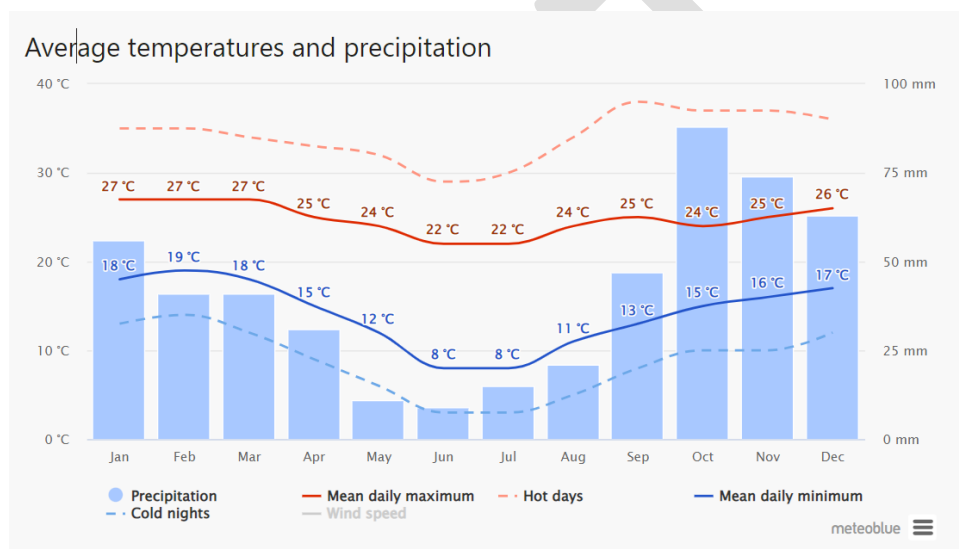
## **1.9 Energy Efficiency**

The applicant will obtain power from the eThekweni Municipality prior to activities commencing on-site, thereby ensuring adequate supply to the site. The applicant has proposed to ensure that all lighting outlets use energy saving light bulbs which consume less energy and have a longer life span.

## 2 SECTION 2: DESCRIPTION OF SURROUNDING LAND USE

### 2.1 Topography and Biophysical Environment

The plot of land in which the development proposes to take place is situated in the Pinetown area, near the Paradise Valley Nature Reserve. The topography of the site is fairly flat with an existing vacant building to the northwest of the site and consists mostly of alien vegetation and bush weed with a few trees and one large indigenous tree towards the centre of the property. There is very little plant biodiversity within the development footprint and property and the proposed development requires minimal land clearance and impact on the receiving environment. The surrounding properties are existing residential developments, road networks, churches, educational institutes, portions of DMOSS and protected area, and the Umbilo River. The Umbilo River is approximately 120m from the edge of the site towards the north. The Paradise Nature Reserve is approximately 600m away from the site. The Paradise Valley Nature Reserve, 100 hectares of coastal and remnant grassland and is home to a variety of wildlife which includes bushbuck, blue duiker, water mongoose, slender mongoose, otter, and numerous species of bats and birds



**Figure 5: Weather Information**

The proposed development site is located in the inner-west portion of the coastal province of KwaZulu-Natal. Therefore, the province's overall climate is influenced by the warm Indian Ocean and the affiliated position and strength of the semi-permanent high-pressure system over the Indian Ocean. The region experiences a temperate subtropical climate with warm, humid summers and cold, dry winters. The rainfall is strongly seasonal. Rainfall occurs during the summer months from October to February and the lowest rainfall occurs in the winter months from June to August. Additionally, the mean summer and winter temperature ranges from 15°C to 27°C and 8°C to 25°C, respectively (Refer to Figure 5 and Meteoblue.com).

Photographs taken within the project areas showing the surrounding topography are included below and in more detail in Appendix B: Site Photographs.



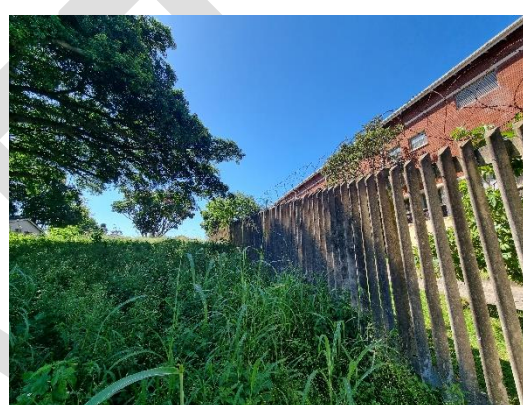
**Figure 6: Image to the North**



**Figure 7: Image to the South**



**Figure 8: Image to the West**



**Figure 9: Image to the East**

## 2.2 Fauna and Flora

There is very little plant and animal biodiversity on the property. The screening report that was conducted for the development (Refer to Appendix J7 and Figures 10 - 12), illustrated a low plant species sensitivity and a medium sensitivity for animal species. The report mainly indicated a presence of insect life rather than any endangered animal species, and this is potentially related to the distance of the property from the Paradise Valley Nature reserve. The terrestrial biodiversity theme on the screening report illustrated a very high sensitivity for a CEE within the site, however, it must be noted the aforementioned CEE types were identified at a desktop statistical level and were not entirely evident for the entire proposed development, as a result of anthropogenic pressures such as current, the formal tar road networks, and the residential suburbs located in the area.

The distribution of these biodiversity features may not always occupy the property and surroundings, as they are rather confined to a specific niche habitat (e.g., Wetlands or forest patches) such as in this case the Paradise Valley Nature Reserve, which is over 500m away from the site. The field survey confirmed that there are no CEE features located within the estimated development footprint as the level of invasion by alien species is considered medium to high i.e., approx. 60%. The property does contain a few trees with one large indigenous tree at the centre of the property. This tree will not be removed however will be trimmed to allow for the mast to be unobstructed. In addition, there is no DMOSS marked on the property which correlates to the findings of limited plant and animal biodiversity on the site, therefore no specialist input was required.

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Figure 10: Plant Species Theme Sensitivity

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

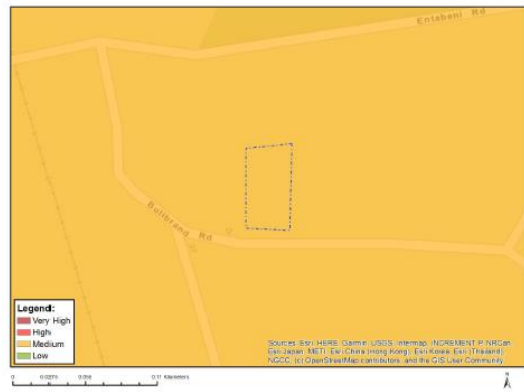


Figure 11: Animal Species Theme Sensitivity.

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Figure 12: Terrestrial Biodiversity Theme Sensitivity

### 2.3 Wetland Environment

The closest water resource is the Umbilo River, approximately 180m towards the north of the site which leads to the Durban Harbour. The screening report illustrates a very high sensitivity as the property is within an aquatic CBA, which correlates with the distance of the property to the Paradise Valley Nature Reserve, however there is no potential significant impact on the resource by the development (Refer to Figure 13 and 14).



MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Figure 13: Aquatic Biodiversity Theme Sensitivity

eThekweni Municipality 2022

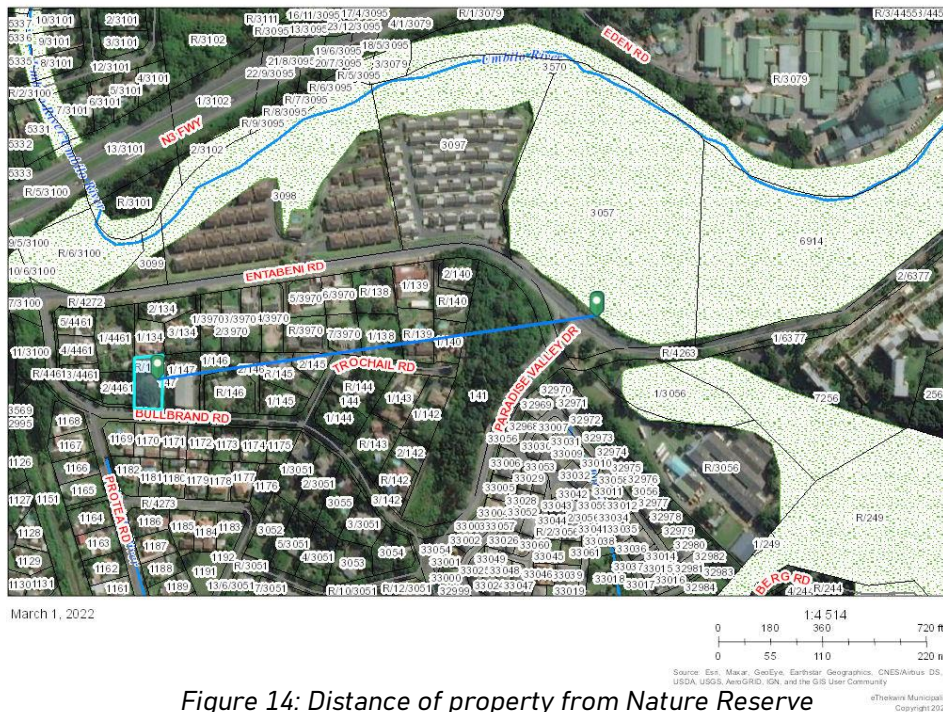


Figure 14: Distance of property from Nature Reserve

2.4 Soils and Geology

As per the SANBI maps, the soil in this area is imperfectly drained soils, often shallow and often with a plinthic horizon. Soils with minimal development, usually shallow, on hard or weathering rock, with or without intermittent diverse soils. Lime rare or absent in the landscape. The Geotechnical Assessment Report dated 20 September 2022, states that the property is underlain by Red-Brown coarse-grained arkosic to subarkosic Sandstone: Quartz Arenite; Micaceous Sandstone, small pebble

conglomerate; subordinate Siltstone and Mudstone, of the Natal Group. From previous investigations within the same underlain geology, the expected founding conditions should compromise of the Natal Group material type. This material may generally be described as, slightly moist, Brown or Reddish Brown, loose, intact, transported silty clayey SAND. No bedrock is expected at shallow excavation depths. For the mast foundations, no groundwater seepage is expected, however during periods of prolonged rainfall, particularly during the summer season, a marked increase in the occurrence and magnitude of groundwater seepage flow can be anticipated and perched groundwater flows at the soil / rock interface are likely to occur especially in areas proximal to streams that traverse in the vicinity of the site. Therefore Based on published geological and topographical maps of the area, the site is stable in its natural state and is suitable for the intended development. (Refer to Appendix D1 - Geotechnical Report).

## 2.5 Hydrology

The proposed development site falls within the Mvoti to Umzimkulu Water Management Area (WMA); the main river is the Mhlathuzan River. For the mast foundations, no groundwater seepage is expected, however during periods of prolonged rainfall, particularly during the summer season, a marked increase in the occurrence and magnitude of groundwater seepage flow can be anticipated and perched groundwater flows at the soil / rock interface are likely to occur especially in areas proximal to streams that traverse in the vicinity of the site. Based on published geological and topographical maps of the area, the site is stable in its natural state and is suitable for the intended development. (Refer to Appendix D1 - Geotechnical Report).

## 2.6 Cultural / Historical Features

The screening report illustrates that, site is within 2km of a Grade 2 Heritage site, possibly due to the sites proximity to the Paradise Valley Nature Reserve and the Indigo Vats to the north (Refer to Figure 15). The Indigo Vats related to two Dutch indigo planters from Java, Mr Theodorus Colenbrander and Mr. von Preen went into partnership with Mr. Murray of Pinetown in 1854. Locally grown indigo plants were gathered in bundles by Indonesian workers. Plants were packed into brick vats, secured by metal rods and covered with water to encourage fermentation. After being beaten with bamboo poles, water was released, and the remaining dye was processed into cakes for export. They were declared a National Heritage Monument in October 1984 and rediscovered in 1969. However, there are no signs of culturally or historically significant elements within the property as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or paleontological sites and no buildings or structures older than 60 years will be affected in any way. Therefore, there was no heritage assessment conducted.

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Figure 15: Heritage Theme Sensitivity

## 2.7 Socio-economic Environment

The development site is located in the Inner West area of the eThekweni Municipality. The eThekweni Municipality comprises a population of approximately 3 442 361 people (the highest of all KwaZulu-Natal municipalities), 25% of which are under the age of 14 years, 4.8% of which comprise the elderly (over age 65), and the majority (70%) of which are of working age – between 15 and 64 years of age. Approximately 4% of the eThekweni population over the age of 20 have not received any form of schooling, 12% over the age of 20 have received a higher education, and approximately 37% have obtained their matric. There is thus not a very high portion of the population that has received a formal education. The Municipality is further characterised by a high level of unemployment in which 30.2% of the population is unemployed, with a relatively high portion being the unemployed youth (39% of the population). The area surrounding the development site is characterised by residential developments, and sporadic informal settlements with the industrial area of Pinetown nearby. The expected capital value of the activity on completion is approximately 5 million rands and the expected yearly income that will be generated by or as a result of the activity is approximately 10 million rands. The activity will contribute to an improved quality of life for residents and businesses within the area with a higher network quality and coverage.

## 2.8 Surrounding Environment and Land Uses

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

Land use character			Description
Natural area	YES	NO	Towards the northeast of the site, is the Paradise Valley Nature Reserve and the Umbilo River
Low density residential	YES	NO	There are housing developments adjacent to the property.
Medium density residential	YES	NO	There are housing developments situated adjacent to the property.
High density residential	YES	NO	
Informal residential	YES	NO	Within 1 km radius exists pockets of informal settlements.
Retail commercial & warehousing	YES	NO	Towards the south of the site contains a mixed-use area.
Light industrial	YES	NO	Towards the south of the site contains a mixed-use area.
Medium industrial	YES	NO	
Heavy industrial	YES	NO	
Power station	YES	NO	
Office/consulting room	YES	NO	There are some medical facilities nearby
Military or police base/station/compound	YES	NO	
Spoil heap or slimes dam	YES	NO	
Quarry, sand or borrow pit	YES	NO	
Dam or reservoir	YES	NO	
Hospital/medical centre	YES	NO	
School/ crèche	YES	NO	Birches Pre-primary school & Sarnia Primary School
Tertiary education facility	YES	NO	
Church	YES	NO	Coastal Assembly of God, The Church of Jesus Christ of Latter-day Saints, Musallah Abraar Hamd
Old age home	YES	NO	Homeleigh Haven
Sewage treatment plant	YES	NO	Umbilo Waste Treatment Works
Train station or shunting yard	YES	NO	
Railway line	YES	NO	
Major road (4 lanes or more)	YES	NO	The N3 is towards the north of the site.
Airport	YES	NO	
Harbour	YES	NO	

Sport facilities	YES	NO	Sarnia Primary School
Golf course	YES	NO	
Polo fields	YES	NO	
Filling station	YES	NO	Engen and Shell to the north
Landfill site	YES	NO	DSW Marianhill Landfill site.
Plantation	YES	NO	The site is surrounded by previous agricultural activities
Agriculture	YES	NO	The site is surrounded by previous agricultural activities
River, stream or wetland	YES	NO	Umbilo River is to the north.
Nature conservation area	YES	NO	Paradise Valley Nature Reserve
Mountain, hill, or ridge	YES	NO	The Umbilo River Valley is to the north of the property.
Museum	YES	NO	
Historical building	YES	NO	
Protected Area	YES	NO	Paradise Valley Nature Reserve
Graveyard	YES	NO	
Archaeological site	YES	NO	
Other land uses (describe)	YES	NO	

**Table 5: Land Use Activity**

## 2.9 Nuisance Considerations

### Visual Assessment

The site is situated in an urban and built-up residential area with a large number of trees surrounding the property, hence the palm tree design of the telecom mast will blend in to the surrounding environment and so is in keeping with the sense of place and zoning of the area. The visual changes proposed by the development of the site for the telecom mast are low in significance.

### Solid Waste Management

<b>Will the activity produce solid construction waste during the construction/initiation phase?</b>	<b>YES</b>	NO
<b>If yes, what estimated quantity will be produced per month?</b>	Approx. 15 m <sup>3</sup>	
<b>How will the construction solid waste be disposed of? (describe)</b>		
Waste skips/bins will be provided throughout the construction site with separate skips/bins made available for solid waste. The waste will be recycled or reused whenever possible and the rest disposed to the registered waste disposal site, to avoid the pollution of surrounding areas. Small amounts of hazardous waste such as discarded oil or grease may be generated on site. Hazardous waste will be disposed of at an appropriately licensed and registered hazardous waste disposal facility. Waste management will be dealt with more extensively within the EMP for the relevant phases of the project		
<b>Where will the construction solid waste be disposed of? (provide details of landfill site)</b>		
The general waste produced will be disposed at the relevant registered Municipal waste facility. In the unlikely event that hazardous wastes are produced these will be collected by a competent waste handling contractor and disposed of at the nearest licensed general waste disposal facility which is the closest to the site.		
<b>Will the activity produce solid waste during its operational phase?</b>	<b>YES</b>	NO
<b>If yes, what estimated quantity will be produced per month?</b>	Approx. 1 m <sup>3</sup>	
<b>How will the solid waste be disposed of? (provide details of landfill site)</b>		
All waste will be collected and disposed of at an approved waste disposal and/or recycling facilities		

<b>Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?</b>		
Shongweni Hazardous 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 competent authority to determine the further requirements of the application.		
<b>Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?</b>	YES	NO
If yes, contact the KZN Department of Economic Development, Tourism & Environmental Affairs to obtain clarity regarding the process requirements for your application.		
<b>Is the activity that is being applied for a solid waste handling or treatment facility?</b>	YES	NO
If yes, contact the KZN Department of Economic Development, Tourism & Environmental Affairs to obtain clarity regarding the process requirements for your application.		

**Liquid Effluent Management**

<b>Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?</b>	YES	NO
<b>If yes, what estimated quantity will be produced per month?</b>	N/A m <sup>3</sup>	
<b>Will the activity produce any effluent that will be treated and/or disposed of on site?</b>	YES	NO
If yes, contact the KZN Department of Economic Development, Tourism & Environmental Affairs to obtain clarity regarding the process requirements for your application.		
<b>Will the activity produce effluent that will be treated and/or disposed of at another facility?</b>	YES	NO
<b>If yes, provide the particulars of the facility:</b>	N/A	
<b>Facility name:</b>		
<b>Contact person:</b>		
<b>Postal address:</b>		
<b>Postal code:</b>		
<b>Telephone:</b>	<b>Cell:</b>	
<b>E-mail:</b>	<b>Fax:</b>	
<b>Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:</b>		
No waste water will be generated during the operational phase of the development.		

**Air Emissions**

<b>Will the activity release emissions into the atmosphere?</b>	YES	NO
<b>If yes, is it controlled by any legislation of any sphere of government?</b>	YES	NO

<b>If yes, contact the KZN Department of Economic Development, Tourism &amp; Environmental Affairs to obtain clarity regarding the process requirements for your application.</b>		
<b>If no, describe the emissions in terms of type and concentration:</b>		
<p>Limited dust liberation and emissions during construction phase due to the off-loading of construction materials, such as sand and cement, movement of construction vehicles and clearing. Emissions generated will be in the form of dust, carbon dioxide and other vehicle emissions generated by diesel powered machinery and trucks during the construction process i.e., tip trucks, TLB's, excavators, and dust from the movement of the construction vehicles. These emissions will be composed primarily of CO2 and will be of a low concentration. In addition, proper maintenance of vehicles will mitigate high concentrated vehicle emissions. Dust generation can be mitigated by either water spraying and / or dust suppressants or by minimizing the area that is cleared and re-vegetating exposed areas as quickly as possible.</p>		

#### Noise Emissions

<b>Will the activity generate noise?</b>	<b>YES</b>	NO
<b>If yes, is it controlled by any legislation of any sphere of government?</b>	<b>YES</b>	NO
<b>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.</b>		
<b>If no, describe the noise in terms of type and level:</b>		
<p>During the construction phase noise associated with normal construction activities i.e., vehicles, generators and plant equipment will be used on the site. However, construction activities will as far as possible be limited to normal working hours (weekdays between 7am and 5 pm). Noise levels are to be kept within the legislated limits for the area, in accordance with the requirements of the relevant national and local noise control statutes. Very little noise is expected to be generated in the operational phase of the development and these levels are not anticipated to be greater than that generated by the other residential complexes in the area. Measures to minimise noise generation during construction are contained in the EMPr. Activities must be in accordance with the Local Municipality by-laws.</p>		

#### Water Supply

ITEM	PREFFERED ALTERNATIVE
<b>Source(s) of water that will be used for the activity:</b>	<b>Municipal</b>
	Water board
	Ground water
	River/stream
	Dam/lake
	Other
	The activity will not use water
<b>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:</b>	N/A
<b>Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?</b>	No
<b>If YES, please provide proof that the application has been submitted to the Department of Water Affairs.</b>	N/A

### 3 SECTION 3: POLICY AND LEGISLATIVE FRAMEWORK

#### 3.1 Identification of All Legislation, Policies, Plans, Guidelines, Spatial Tools, Municipal Development Planning Frameworks, and Instruments.

Legislation	Section	Relates to
The Constitution (No 108 of 1996)	Chapter 2	Bill of Rights.
	Section 24	Environmental rights.
National Environmental Management Act (No 107 of 1998 [as amended])	Section 2	Defines the strategic environmental management goals and objectives of the government. Applies throughout the Republic to the actions of all organs of state that may significantly affect the environment.
	Section 24	Provides for the prohibition, restriction and control of activities which are likely to have a detrimental effect on the environment.
	Section 28	The developer has a general duty to care for the environment and to institute such measures as may be needed to demonstrate such care.
	Section 30	Deals with the control of emergency incidents, including the different types of incidents, persons responsible for the incidents and reporting procedures to the relevant authority.
National Environmental Management: Waste Act (No 59 of 2008)		Provides for specific waste management measures and the remediation of contaminated land.
National Environmental Management: Biodiversity Act (No 10 of 2004)		Regulations for waste management licensee activities
Threatened or protected species (GN 388) Lists of species that are threatened or protected (GN 389) Alien and invasive species regulations (GNR 506) Publication of exempted alien species (GNR 509) Publication of National list of invasive species (GNR 507) Publication of prohibited alien species (GNR 508)		Provides for the management and conservation of biodiversity, protection of species and ecosystems, and sustainable use of indigenous biological resources – provisions re alien and invasive species.
Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983)		The objects of this Act are to provide for the conservation of the natural agricultural resources of the Republic by the maintenance of the production potential of land, by the combating and prevention of erosion and weakening or destruction of the water sources, and by the protection of the vegetation and the combating of weeds and invader plants. Section 5 details measures for the prohibition of the spreading of weeds.
National Environmental Management: Air Quality Act (No 39 of 2004)	Section 32	Control of dust
	Section 34	Control of noise
	Section 35	Control of offensive odours
National Heritage Resources Act (No 25 of 1999) and regulations	Section 34	No person may alter or demolish any structure or part of a structure which is older than 60 years without a permit

		issued by the relevant provincial heritage resources authority.
	Section 35	No person may, without a permit issued by the responsible heritage resources authority destroy, damage, excavate, alter, deface, or otherwise disturb any archaeological or paleontological site.
	Section 36	No person may, without a permit issued by the South African Heritage Resource Agency (SAHRA) or a provincial heritage resources authority destroy, damage, alter, exhume, remove from its original position, or otherwise disturb any grave or burial ground older than 60 years which is situated outside a formal cemetery administered by a local authority. "Grave" is widely defined in the Act to include the contents, headstone, or other marker of such a place, and any other structure on or associated with such place.
	Section 38	This section provides for Heritage Impact Assessments (HIAs), which are not already covered under the ECA. Where they are covered under the ECA the provincial heritage resources authorities must be notified of a proposed project and must be consulted during the HIA process. The Heritage Impact Assessment (HIA) will be approved by the authorising body of the provincial directorate of environmental affairs, which is required to take the provincial heritage resources authorities' comments into account prior to deciding on the HIA.
Occupational Health and Safety Act (No 85 of 1993)	Section 8	General duties of employers to their employees
	Section 9	General duties of employers and self-employed persons to persons other than their employees
National Water Act (No 36 of 1998) and regulations	Section 19	Prevention and remedying the effects of pollution
	Section 20	Control of emergency incidents
	Section 21	Licenses for water use
Hazardous Substances Act (No 15 of 1973) and regulations		Provides for the definition, classification, use, operation, modification, disposal or dumping of hazardous substances
National Veld & Forest Fire Act		Provides for a variety of institutions, methods, and practices to prevent and combat veld, forest, and mountain fires.
National Road Traffic Act (No 93 of 1996)		Provides for controlling transport of dangerous goods, hazardous substances, and general road safety
Spatial Planning and Land Use Management Act (No. 16 of 2013).		Provides the framework for spatial planning and land use management in South Africa at the different spheres of government and for the establishment, functions, and operations of Municipal Planning Tribunals.
Occupational Health and Safety Act (No 85 of 1993) and regulations		Addresses occupational health and safety aspects
SANS 10103 (Noise Regulations)		The measurement and rating of environmental noise with respect to annoyance and to speech communication
KwaZulu-Natal Planning and Development Act,(No. 6 of 2008).		Strategic spatial development intentions for the municipality based on the IDP and SDF, influenced by and in alignment with adjacent municipalities



KZN Nature Conservation Ordinance (Ordinance No. 15 of 1974)		Protected indigenous plants in general are controlled under the relevant provincial Ordinances or Acts dealing with nature conservation. In KwaZulu-Natal, the relevant statute is the 1974 Provincial Nature Conservation Ordinance. In terms of this Ordinance, a permit must be obtained from Ezemvelo KZN Wildlife to remove or destroy any plants listed in the Ordinance.
KwaZulu Natal Heritage Act (Act 4 of 2008)		To provide for the conservation, protection, and administration of both the physical and the living or intangible heritage resources of the Province of KwaZulu-Natal; to establish a statutory Council to administer heritage conservation in the province.
Municipal Systems Act (MSA), No. 32 of 2000		To provide for the core principles, mechanisms and processes that are necessary to enable municipalities to move progressively towards the social and economic upliftment of local communities, and ensure universal access to essential services that are affordable to all; to define the legal nature of a municipality as including the local community within the municipal area, working in partnership with the municipality's political and administrative structures;
Spatial Planning and Land Use Management Act (SPLUMA, Act No.16 of 2013)		To provide a framework for spatial planning and land use management in the Republic; to specify the relationship between the spatial planning and the land use management system and other kinds of planning; to provide for the inclusive, developmental, equitable and efficient spatial planning at the different spheres of government; to provide a framework for the monitoring, coordination and review of the spatial planning and land use management system; to provide a framework for policies, principles, norms and standards for spatial development planning and land use management;
eThekweni Municipality: Planning and Land Use Management By-Law, 2016		To provide for the Municipal Spatial Development Framework and the land use scheme of the Municipality; to provide for the development of the package of plans; to regulate and manage spatial and land use planning and development; to provide for the categorisation of land development applications; to provide for processes and procedures for land development applications; to provide for compliance with the land use scheme; to provide for an Appeal Authority; to provide for offences and penalties and to provide for matters incidental thereto.
eThekweni Spatial Development Framework (SDF) 2020 - 2021		This MSDF is an integral component of the Integrated Development Plan (IDP) and a key spatial transformation tool which guides how the implementation of the IDP should occur in space. The MSDF therefore guides the desirable spatial distribution of land uses within a Municipality in order to give effect not only to the spatial vision, goals, and objectives of the Municipality but by directing where the city should intervene in space to achieve its transformational objective. The MSDF is also aligned with provincial and municipal sector plans and strategies as a way of ensuring that the desired spatial form and outcomes of the Municipality are achieved both horizontally and vertically.

eThekwini Municipality Integrated Development Plan (IDP) 2017/18 to 2021/22		The IDP serves as a tool for transforming local governments towards facilitation and management of development within their areas of jurisdiction. The MSA identifies the IDP a key component in entrenching developmental local government principles. In conforming to the Act's requirements, the eThekwini Municipal Council has delegated the authority to the Municipal Manager to prepare the IDP.
Civil Aviation Act 13 of 2009		Any communications structure, building or other structure, whether temporary or permanent, which has the potential to endanger aviation in navigable airspace, or has the potential to interfere with the operation of navigation or surveillance systems or Instrument Landing Systems, including meteorological systems for aeronautical purposes, is considered an obstacle and shall be submitted to the Commissioner for Civil Aviation for evaluation.

**Table 6: Applicable Legislation**

Regulations and Guidelines
Environmental Impact Assessment Regulations, 2014 (as amended)
Internal Guideline: Generic Water Use Authorisation Application Process, August 2007 by DWA
The General Policy on Environmental Conservation (January 1994)
DEA (2017), Guideline on Need and Desirability, Department of Environmental Affairs (DEA), Pretoria, South Africa
Department of Environmental Affairs (2017), Public Participation guideline in terms of NEMA EIA Regulations, Department of Environmental Affairs, Pretoria, South Africa.
Provincial Growth and Development Strategy – Local and Provincial
eThekwini Spatial Development Framework (SDF) 2020 - 2021
eThekwini Municipality Integrated Development Plan (IDP) 2017/18 to 2021/22

**Table 7: Environmental Legislation**

By-Laws
Borough of Durban, Building By-Laws
Durban Metropolitan Water Supply By-Laws
eThekwini Municipality: Sewage Disposal By-Law
Durban Electricity Supply By-Laws
Durban Interim Code Relating to Fire Prevention and Flammable Liquids and Substances
eThekwini Municipality: Nuisances and Behaviour in Public Places Bylaw, 2015
eThekwini Municipality: Stormwater Management By-Law

**Table 8: Bylaws**

## 4 SECTION 4: MOTIVATION, NEED AND DESIRABILITY

### 4.1 Need and Desirability

Based on the expanding pressure on the telecommunication networks, the network service providers are ever trying to increase their local footprint, and improve their service to customers. This is done in an attempt to improve the quality of coverage as well as improve access to technology and internet. The continued growth of mobile technology uptake also means more and more users are depending on these networks and are demanding continually improved services and choice.

The infrastructure has to contend with increased data traffic demand and a continued growth in users relying on mobile communication as the only source of communication method. Also, by providing multiple network providers access to any given area the threshold to use by users is lowered, increasing the data speed and quality of coverage. Instead of having multiple masts by different service providers, this mast will permit multiple networks to operate from one tower, and thus reduce the negative impacts associated with an communications towers.

In addition, the selected development site was chosen because it is in the most viable position to provide optimal network coverage for the residential and commercial surroundings. The activities on site will positively affect the socio-economic context of the community as it will increase the property value within the area and provide much needed secure job opportunities. The development will provide local employment opportunities such as for builders, a security guard, telecom specialists, cleaners, and gardeners; and will also promote economic growth through increased investment and economic activity within the study area.

The development will generate approximately 50 employment opportunities to a value of approximately R5 million, 80% of which will accrue to previously disadvantaged individuals. The development is further to generate approximately 30 employment opportunities during the operational phase. Furthermore, the development has not significantly impacted the environment and provided that mitigation measures are adhered to, will not cause further environmental impact.

The municipal zoning indicates that the development has been zoned as Administration and the development is within the existing development rights of the property and does not conflict with the relevant planning regulations and zoning scheme. In addition, the development would not cumulatively have a significant negative impact on either the biophysical or socio-economic environment.

The threat level posed by the mast development is considered low and there will be little disruption in terms of ecosystem functioning. Once the construction phase is complete, all exposed soil should be revegetated with grass cover. All impacted areas during construction must be rehabilitated with locally indigenous plants. In addition, alien species need to be completely removed from the site as per existing legislation.

The general objective of Integrated Environmental Management of the NEMA, describes how the project and associated assessment process has taken the objectives into account: The BAR, through its identification and assessment of positive and negative impacts on the environment and the incorporation of mitigation measures to manage these impacts, will facilitate responsible decision making by the relevant authorities.

In terms of the BA process for the activity, all potential impacts associated with the development were identified and adequately assessed (Refer to Appendix F). Suitable mitigation measures were recommended to reduce the significance of the impacts. Through inputs from the EAP and specialists during the BA/ process, sufficient information has been made available to ensure that all effects to the surrounding environment have been adequately considered and incorporated into this report for decision making. Several specialist studies have been undertaken for the proposed development and recommendations of these reports have been included in this BAR and in the EMPr.

All public participation requirements in terms of the EIA Regulations 2014 (as amended) have been met during the course of the BAR/EIR process. A comment and response report has been compiled and included as part of the Final BAR/EIR.

All environmental attributes have been adequately considered. Mitigation measures to manage impacts on sensitive environmental attributes have been included in the report to ensure that environmental impacts are kept to a minimum. An EMPr has been compiled and attached as Appendix G. The mitigation measures suggested ensures that impacts and potential impacts can be effectively mitigated. The proposed measures outlined in the EMPr are consistent with the principles outlined in Section 2 of NEMA. Mitigation measures to manage impacts have been included in the report to ensure that impacts on the environment are kept to acceptable levels. The implementation of the EMPr will ensure that environmental management continues throughout the life cycle of the project. The appropriateness of the development in the broader context has received attention. All of the above aspects contribute to the sustainability of the development and the project's need and desirability.

## 4.2 Motivation for the Preferred Site, Activity and Technology

As per the descriptions above, Alternative 1 (A1) was chosen to be the preferred site for its low impact, ecologically safe, sustainable development Alternative 2 (A2). The preferred site (A1) for the proposed development is owned by the operator i.e., Telkom, and the site is at a favourable altitude to provide the best quality service to the customer base. In addition, the site has been identified as an area that requires improved cellular coverage and has limited environmental and ecological value and so does not pose a serious threat to the receiving environment, even though the site is located within 1km of the nature reserve. If the developer had to choose sites outside of the 1km radius these sites would require an agreement signed by the landowners, which is not always feasible or accessible. The site has thus been deemed suitable for the proposed development, whereby no site alternatives have been considered.

The proposed activity includes the development of a base station and 36m telecom mast that is within 1km of the nature reserve. There are no other listed activities triggered and so no reasonable activity alternatives were investigated. No alternate type of activity was considered as this activity is the only reason for the application. The proposed technology is for the mast to be 36m in height, with as base station and a footprint of approximately 64m<sup>2</sup>. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crows nest. The location of the mast and base station is away from the adjacent building and trees towards the front of the property.

In addition, the construction of the telecom mast is governed by approved procedures and SABS standards, thus there is limited scope for introducing alternatives to this aspect, however, the construction materials to be utilized would be of highest quality. All construction activities (building works/ infrastructure and installations) will be in line with the National Building Regulations and Building Standards together with the Occupational Health and Safety regulations. Manual methods are labor intensive but have the advantage of being selective which will reduce disturbance of vegetation and soil. Manual labor can select out alien invasives species whilst keeping indigenous specimens and the topsoil intact. All bulk services (water, electricity, sewage) are available within proximity to the site and the development will be linked with the existing infrastructure. Energy efficiency measures will be considered where possible during the life cycle of the development. No alternate type of technology was considered as this technology is governed by approved procedures and SABS standards

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present vacant state leading to potential vagrancy and spread of alien vegetation. Thus, the no-go option is not supported, however it has been assessed in the Impact Assessment (Refer to Appendix F - Impact Assessment).

## 5 SECTION 5: PUBLIC PARTICIPATION

### 5.1 Notification of Interested and Affected Parties

- (a) fixing a notice board at a place conspicuous to and accessible by the public at the boundary, on the fence or along the corridor of—
- (i) the site where the activity to which the application or proposed application relates is or is to be undertaken; and
  - (ii) any alternative site;

**Site notices were erected at the entrance to the property driveway on 31 May 2022. The noticeboard detailed the reason for the application, the activity description, the listed activities triggered, the application process, & details on how to register as an I&AP (Refer to Appendix E1 - Site Notice & Evidence).**

- (b) giving written notice, in any of the manners provided for in section 47D of the Act, to—
- (i) the occupiers of the site and, if the proponent or applicant is not the owner or person in control of the site on which the activity is to be undertaken, the owner or person in control of the site where the activity is or is to be undertaken and to any alternative site where the activity is to be undertaken;
  - (ii) owners, persons in control of, and occupiers of land adjacent to the site where the activity is or is to be undertaken and to any alternative site where the activity is to be undertaken;
  - (iii) the municipal councillor of the ward in which the site and alternative site is situated and any organisation of ratepayers that represent the community in the area;
  - (iv) the municipality which has jurisdiction in the area;
  - (v) any organ of state having jurisdiction in respect of any aspect of the activity; and
  - (vi) any other party as required by the competent authority;

**Regarding Stakeholder and I&AP communications, all relevant authorities have been notified of the application and will be provided with copies of this Draft BAR (Refer to Appendix E3 - BID & Comment Form, Appendix E4 - I&AP Database and Appendix E5 - I&AP Communication).**

- (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 metropolitan or district 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 paragraph (c)(ii); and

**Advertisements regarding inter alia the development scope of works, location and details of locations reason for the application, the activity description, the listed activities triggered, the process of the application and details on how to register as an I&AP were placed in the Highway Mail newspaper on 3 June 2021 as per EIA requirements (Refer to Appendix E2 - Advertisement).**

#### Background Information Document

During the PPP, BID (including registration and comments forms) was distributed via email on **22 July 2022** and hand delivered to neighboring properties, stakeholders as well as other interested and affected parties (I&APs) on **31 May 2022** (Refer to Appendix E3 - BID & Comment Form and Appendix E5 - I&AP Communication).

#### Public Meeting

No public meeting was held. It should be noted that all stakeholders who submitted queries were provided with responses mainly by email, but also telephonically where required. The EAP also offered to meet with I&APs if they so wished, but this offer was not taken up.

### **Public Review**

The BID document was placed for public review on the Khweza Environmental Consulting Website [www.khweza.net](http://www.khweza.net) on **7 June 2022** (Appendix E7 - Website Advert)

## **5.2 Authority Notification**

A pre-application meeting was scheduled with EDTEA prior to the submission of the application 20 April 2022 at 10h00 online (*Refer to Appendix J1 – Pre-application Minutes of Meeting*).

## **5.3 Registered Interested and Affected Parties**

A proponent or applicant must ensure the opening and maintenance of a register of interested and affected parties and submit such a register to the competent authority, which register must contain the names, contact details and addresses of—

- (a) all persons who, as a consequence of the public participation process conducted in respect of that application, have submitted written comments or attended meetings with the proponent, applicant or EAP;
- (b) all persons who have requested the proponent or applicant, in writing, for their names to be placed on the register; and
- (c) all organs of state which have jurisdiction in respect of the activity to which the application relates.

**The contact details of all I&APs that have registered have been provided in the Registered I&AP list in Appendix E4 – I&AP Database.**

## **5.4 Comments and Responses Report**

- (1) The applicant must ensure that the comments of interested and affected parties are recorded in reports and plans and that such written comments, including responses to such comments and records of meetings, are attached to the reports and plans that are submitted to the competent authority in terms of these Regulations.
- (2) Where a person desires but is unable to access written comments as contemplated in sub regulation (1) due to—
  - (a) a lack of skills to read or write;
  - (b) disability; or
  - (c) any other disadvantage;(d) reasonable alternative methods of recording comments must be provided for.

**All concerns, comments, viewpoints, and questions (collectively referred to as ‘issues’) have been documented and responded to in the Comment and Response Report (*Refer to Appendix E5 – I&AP Communication and Appendix E6 – I&AP Comments and Responses*).**

## 6 SECTION 6: IMPACT ASSESSMENT

### 6.1 Methodology to Determine Rank Significance and Consequences of Impacts.

The significance of potential environmental impacts identified during the assessment has been assessed in terms of the Guideline Documentation on EIA Regulation, Department of Environmental Affairs and Tourism, 2014. This is the rating scale developed by Khweza Environmental Consulting for use in our reports. The following four parameters were assessed:

1. **Duration** - This parameter rates the timespan of the impact.
2. **Extent** – This parameter rates the extent of the impact on a spatial scale
3. **Magnitude** - This parameter rates the severity of impacts with and without mitigation.
4. **Probability** - This parameter rates the likelihood of the impacts occurring.

The significance is calculated by combining the criteria in the following formula:

$$S = (D+E+M) P$$

S = Significance weighting D = Duration E = Extent M = Magnitude P = Probability

Score	Label	Criteria
<b>Duration</b>		
1	Very short term	< 3 months
2	Short term	3 months - 6 months
3	Medium term	6 months – 1 year
4	Long term	1 years to 10 years
5	Permanent	> 10 years / Permanent
<b>Extent</b>		
1	Minor	Limited to development site
2	Surrounding	Limited to site and sites adjacent to the site.
3	Local	Within the town or city.
4	Regional	Provincial
5	National/ International	Countrywide and/or International
<b>Magnitude</b>		
0	Negligible	No effect / Non harmful
2	Minor	Slight/ potential harm on the environment
4	Low	Small impact on the environment
6	Moderate	A moderate impact on the environment
8	High	The impacts on the environment are large
10	Very high	Fatal flaw
<b>Probability</b>		
1	Improbable	Probably will not happen
2	Potential	Some possibility, but low likelihood
3	Probable	Distinct possibility
4	Highly probable	Most likely
5	Definite	The impact will occur

**Table 9: Significance Criteria**

Score	Label	Motivation
<10	Negligible	The impact is very small to absent
11- 20	Low	Impact does not have a serious outcome but may require mitigation
21 - 40	Medium	Impact has serious outcomes without mitigation
41 - 70	High	Impact has serious outcomes even with mitigation
>70	Very high	Major impacts and fatal flaw.

**Table 10: Scoring Results**

## 6.2 Impacts and Mitigation Measures during the Construction, Operational, Decommissioning Phases

Refer to Appendix F: Impact Assessment

## 6.3 Environmental Impact Statement

The proposed development application is to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so triggers an Environmental Impact Assessment (EIA) listed activity 3 of Listing Notice 3 as the mast is above 15m in height, is in KZN and is within 1km of a nature reserve. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crow's nest.

There is very little plant biodiversity within the development footprint. The site consists of mainly alien and invasive vegetation including species such as *Solanum mauritianum* (bugweed) and *Bidens pilosa* (blackjack) amongst the other species. There is a large indigenous tree in the middle of the property however the mast will be constructed in the south west corner of the property and as a result the indigenous tree will be trimmed and not removed. The alien vegetation and other invasive species will be cleared prior to construction and will be revegetated with indigenous grass/plants and maintained. Access to the site will be from the existing gate to the south east of the property. The zoning of the site is "Administration" and the land classification is "urban", surrounded by residential dwellings, schools, businesses, agencies, and estates.

Alternative 1 (A1) was chosen to be the preferred site for its low impact, ecologically safe, sustainable development Alternative 2 (A2). The preferred site (A1) for the proposed development is owned by the operator i.e Telkom, and the site is at a favourable altitude to provide the best quality service to the customer base. In addition, the site has been identified as an area that requires improved cellular coverage and has limited environmental and ecological value and so does not pose a serious threat to the receiving environment, even though the site is located within 1km of the nature reserve. If the developer had to choose sites outside of the 1km radius these sites would require an agreement signed by the landowners, which is not always feasible or accessible. The site has thus been deemed suitable for the proposed development, whereby no site alternatives have been considered.

In addition, the construction of the telecom mast is governed by approved procedures and SABS standards, thus there is limited scope for introducing alternatives to this aspect, however, the construction materials to be utilized would be of highest quality. All construction activities (building works/ infrastructure and installations) will be in line with the National Building Regulations and Building Standards together with the Occupational Health and Safety regulations. Manual methods are labor intensive but have the advantage of being selective which will reduce disturbance of vegetation and soil. Manual labor can select out alien invasives species whilst keeping indigenous specimens and the topsoil intact. All bulk services (water, electricity, sewage) are available within proximity to the site and the development will be linked with the existing infrastructure. Energy efficiency measures will be considered where possible during the life cycle of the development. No alternate type of technology was considered as this technology is governed by approved procedures and SABS standards

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present vacant state leading to potential vagrancy and spread of alien vegetation. Thus, the no-go option is not viable.

The Basic Assessment considered relevant environmental aspects and impacts of the development and proposed mitigation during the construction and operational phases. Potential environmental impacts were identified and addressed in the BAR and the EMPr incorporates the lay-out and specialist recommendations to ensure that positive impacts are maximized, and negative impacts are prevented or minimised.



During the construction phase, the impacts on the biophysical environment such as air, noise and dust pollution, soil erosion, visual impacts, terrestrial ecology & biodiversity, ground pollution, generation of waste will be mitigated from High or Low, Medium to Low and Low to Negligible. During the operational phase the impacts of soil erosion and impacts to the terrestrial ecology & biodiversity will remain negligible due to mitigation practices that will be enforced. The threat level posed by the mast development is considered low and there will be little disruption in terms of ecosystem functioning. Once the construction phase is complete, all exposed soil should be revegetated with grass cover. All impacted areas during construction must be rehabilitated with locally indigenous plants. In addition, alien species need to be completely removed from the site as per existing legislation. The mast has been approved by the Civil Aviation Authority as per Appendix J9 and the Department of Health has provided a clearance for any health issues related to telecom masts (Refer to Appendix J10).

The positive impact associated with improved social, environmental and economic opportunities through the development, including temporary and permanent employment opportunities, are of high importance considering the current economic climate.

#### **6.4 Impact Management Measures from Specialist Reports for Inclusion in the EMPr**

##### **Geotechnical Report dated September 2022 (Refer to Appendix D1)**

- For the proposed development, all earthworks should be in accordance with SABS1200DM (current version). Unsuitable fill such as garden refuse and general waste that may be present on site, should be removed from the site and spoilt at a designated dumping site.
- The first 100mm of material should be stockpiled for later re-use as topsoil.
- A very important factor which promotes the stability of a site is proper and adequate control of both surface and groundwater. The design of the storm water management system should be such, as to allow for the drainage of accumulated surface water, directed to natural drainage lines, preferably at minimum of 1m away from the telecom foundations thus preventing direct discharge of storm water onto foundations.
- Points of discharge from piped stormwater should be carefully designed to limit erosion.
- All existing services such as water and sewer lines need to be checked thoroughly for leaks and if exposed, they should then be adequately buried to avoid damage.
- Surface drainage of telecom platforms should be designed to direct water away from fill edges to prevent overtopping of the fill crest and erosion of the fill embankment slopes.
- Grassing of any fill embankments should be carried out as soon as the embankments are constructed, to prevent erosion.

#### **6.5 Assumptions, Uncertainties and Gaps in Knowledge relating to the Assessment and Mitigation Measures**

##### **Geotechnical Report dated September 2022 (Refer to Appendix D1)**

- The geotechnical assessment contained in the report is generic and cannot be used as a substitute for a site-specific geotechnical investigation and structural design. It is therefore recommended that a detail geotechnical investigation with trial pit excavation and laboratory testing be undertaken.

#### **6.6 Period for which Authorisation is required, Proposed Monitoring and Auditing and Post Construction Requirements**

Based on the time required for the applicant to undertake all necessary Town Planning, Local Municipality processes governing the establishment of a telecom mast, it is estimated that the construction period would be approximately 1 year, therefore it is recommended that the environmental authorization be granted for a period of 3 years.

Monitoring and oversight of the implementation of the EMPr must be undertaken by an independent Environmental Control Officer (ECO). The findings and outcomes of these monitoring events will be recorded in the EMPr file and will be available to the CA on request. These reports will also be made available to the environmental auditor when conducting an environmental audit as required in terms of Regulation 34 at intervals as specified in the EA.

## **6.7 Financial Provisions**

Not applicable.

## **6.8 EAP's Opinion on whether or not to Authorise the Activity and Recommendations & Conditions for Authorisation**

The findings of the assessment show that it is possible to mitigate the identified impacts of the development with the implementation of the recommended mitigation measures. These measures have been incorporated into the EMPr, which also makes provision for the monitoring and auditing thereof, and environmental awareness training for all persons who will be conducting the activity and so must be complied with.

Thus, the EAP's considered opinion that the activity for which environmental authorisation is being sought, is authorised provided that it is undertaken in accordance with the preferred layout on the site and subject to the holder complying with the approved EMPr and the specialist recommendations.

## 7 SECTION 7: REFERENCES

DEA (2017), Guideline on Need and Desirability, Department of Environmental Affairs

eThekweni Spatial Development Framework (2020 – 2021)

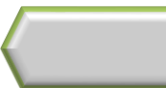
eThekweni Municipality Integrated Development Plan (2017/18 to 2021/22)

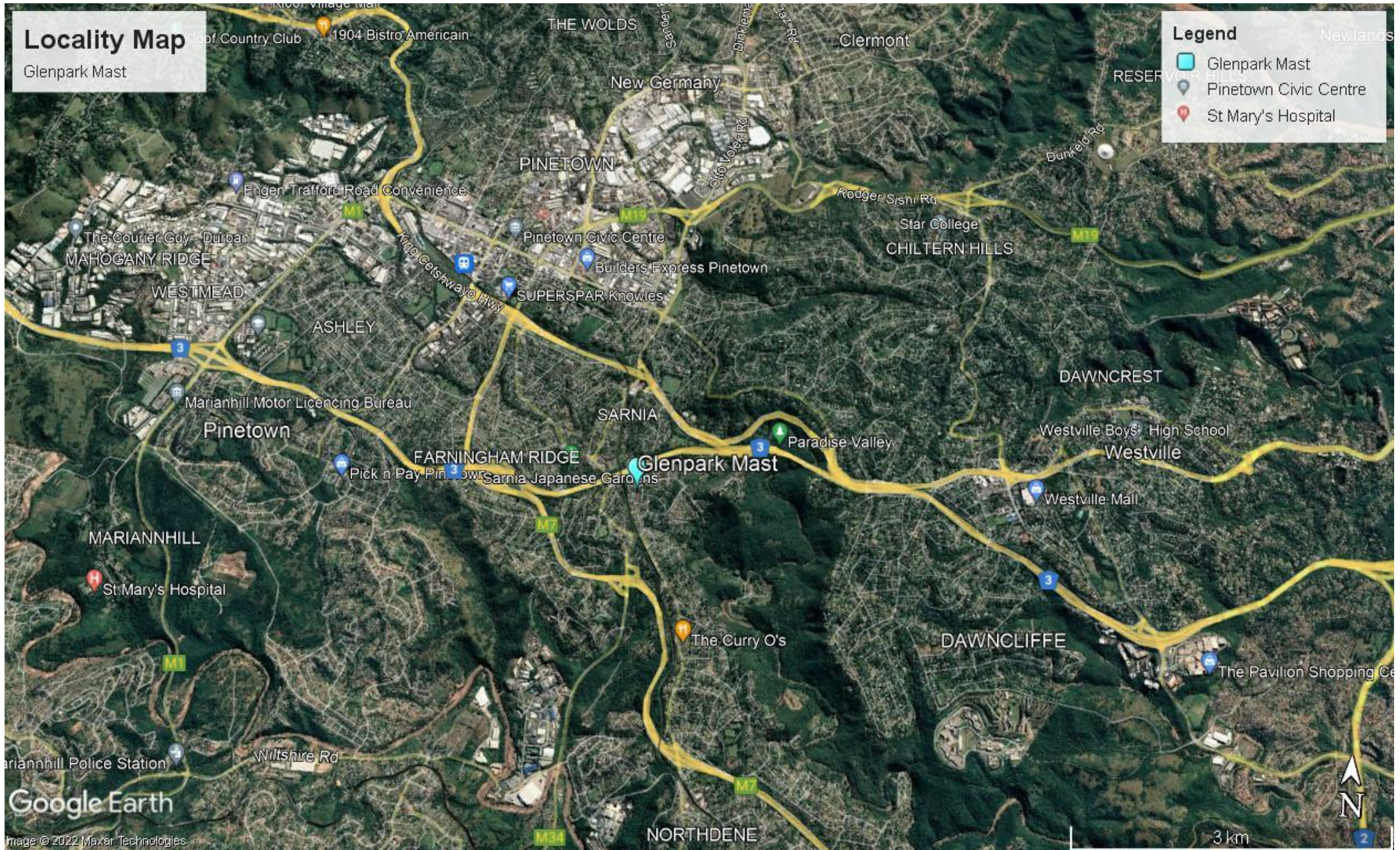
Mucina and Rutherford (2006), The Vegetation of South Africa, Lesotho and Swaziland

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**Appendix A: Site Plans**  
Appendix A1 - Locality Map 1





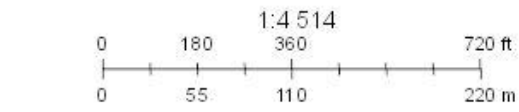
Appendix A2 - Locality Map 2



# eThekweni Municipality 2022

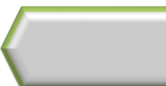


March 1, 2022



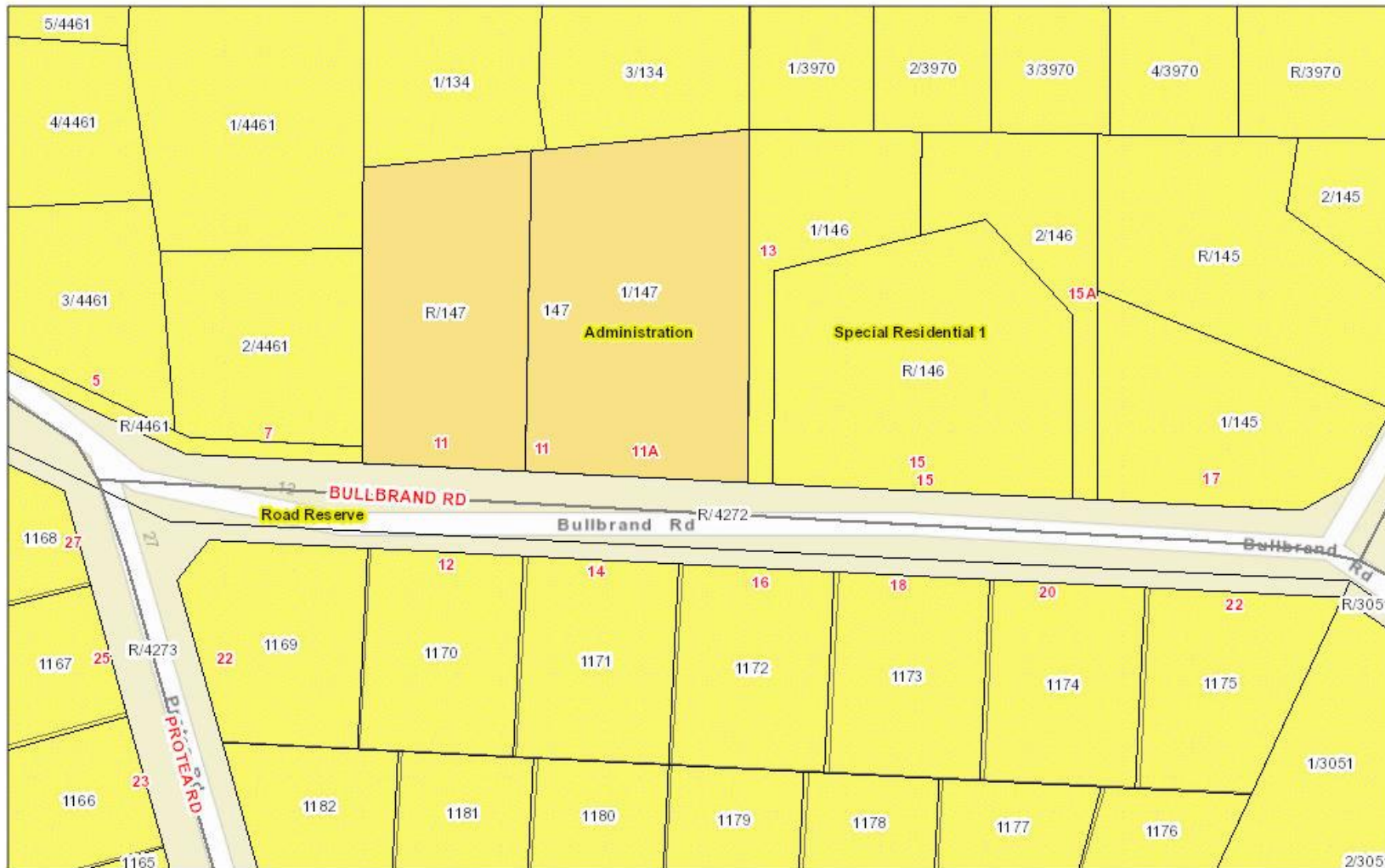
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Appendix A3 – SDP LUMS Map 1

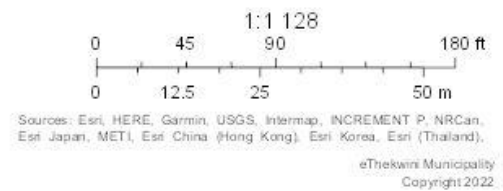




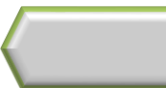
# Glenpark



June 29, 2022



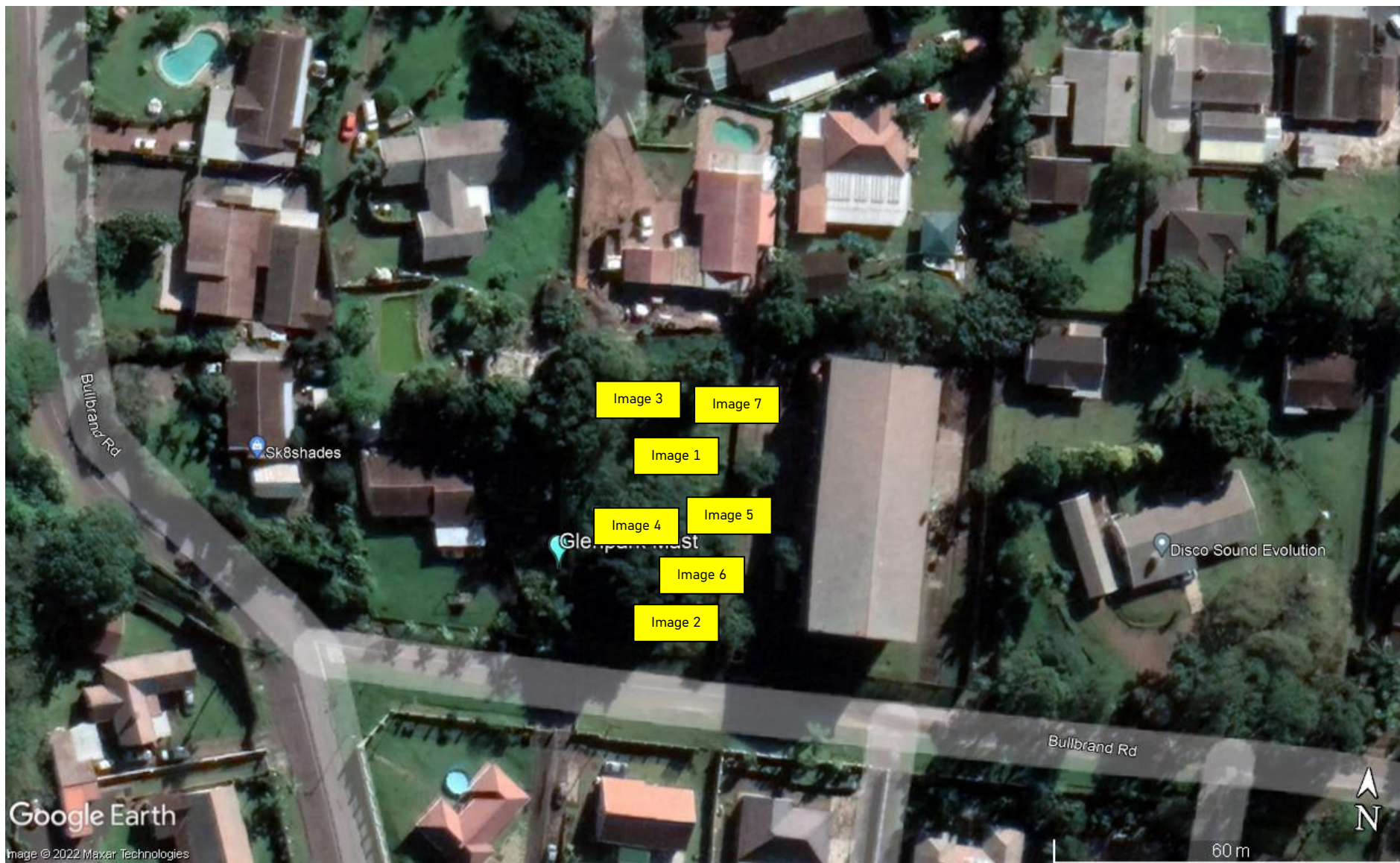
**Appendix B: Site Photographs**





**KHWEZA**  
environmental consulting

## Draft Basic Assessment Report for Proposed Glen Park Mast: Appendix B: Site Photographs





*Image 1: Photograph in a southern direction*



*Image 2: Photograph in a northern direction*



*Image 3: Photograph in a western direction*



*Image 4: Photograph in a north-western direction showing alien vegetation infestation.*



*Image 5: Photograph in a eastern direction.*

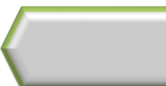


*Image 6: Photograph in a south west direction.*

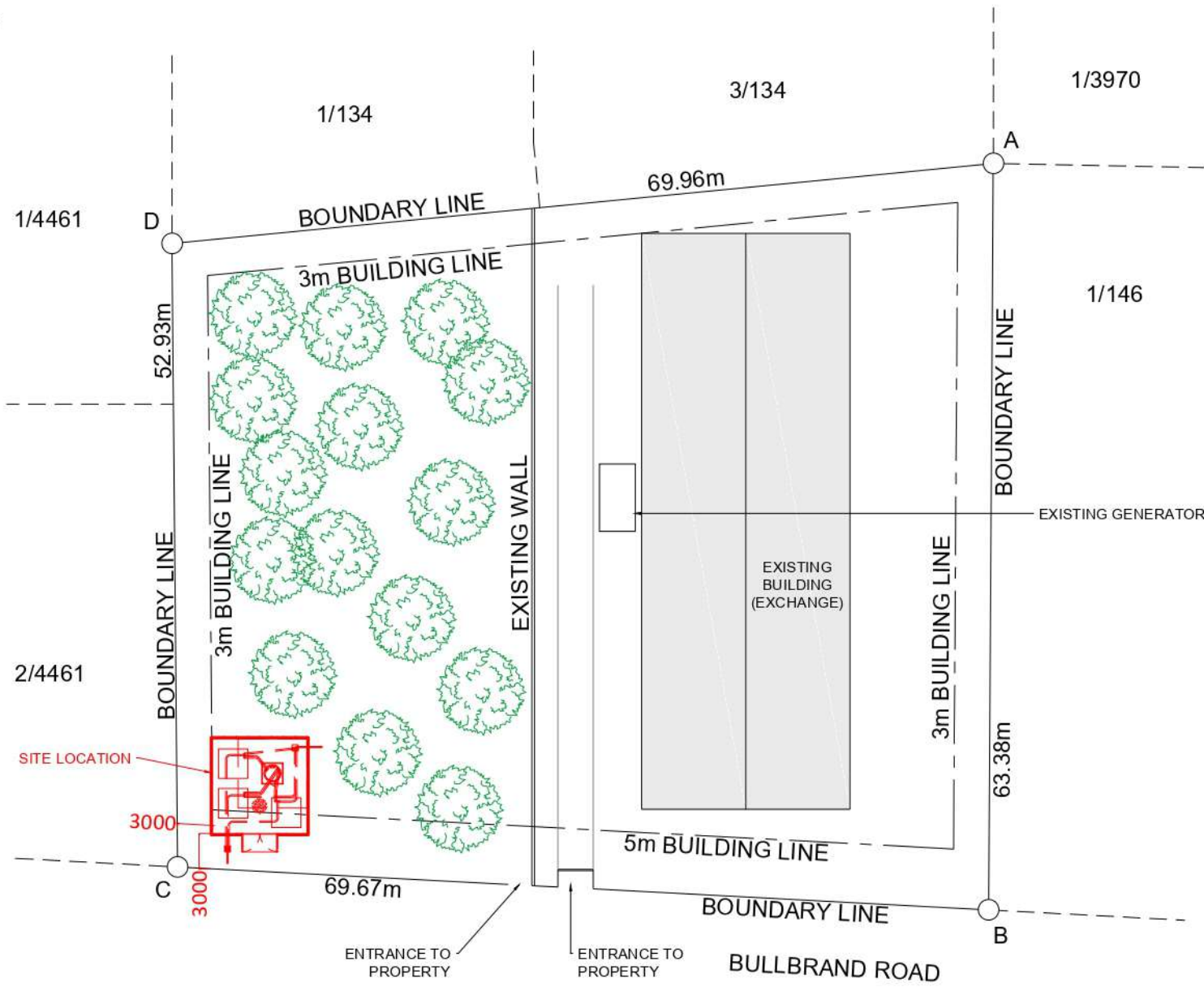


*Image 7: Photograph in a south east direction.*

**Appendix C: Site Development Plans**  
Appendix C1 – Preferred SDP Layout







**GYRO APPROVAL**  
 Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 SITE NAME & NUMBER  
 ER\_Glen\_Park ER4804

RESPONSIBILITIES		
	Name	Contact Number
TX (NIP)	-	-
Property	-	-
Build	-	-
Site ENG	-	-
Survey	Selby	076 016 6815
Consultant	-	-

REV	DATE	REMARK
A	15/09/2021	1st ISSUE

**NOTES:**  
 \*New Site Build  
 \*New 35m Tree Mast

**TITLE:**  
 New Site Build

**SITE CO-ORDINATES:**  
 Lats: 29.83792° S  
 Longs: 30.878828° E  
 HASL(m)  
 298m

**PROPERTY DESCRIPTIONS:**  
 Erf 147 in Pinetown

**ADDRESS:**  
 11 Bullbrand Road  
 Glen Park, Pinetown

Company Reg nr 200520811307

**LANGA**  
 164 3RD AVE  
 BREDELL  
 KEMPTON PARK  
 1619  
 Tel: +27 (0) 111 1017

TITLE:	SCALE:
Site Plan	1:500

	NAME	SIGNATURE	DATE
SURVEYOR:	Selby		14/09/2021
DRAWN:	B. Bisschoff		15/09/2021
APPROVE:			
DWG No:	BB_ILA_ER4804_REV A		4 OF 7

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**Appendix D: Specialist Reports**  
Appendix D1 - Geotechnical Report



# MRK Consulting

75 St Thomas Rd  
Musgrave  
4001

CELL: 0832931116

Date: 20 September 2022

email: mk78687@gmail.com

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Mr Nazeer Jamal  
Khweza Consulting (Pty) Ltd  
Mobile: 0761513334  
Email: nazeer@khweza.net

## **GEOTECHNICAL ASSESSMENT: 3 TELECOM SITES, GLENPARK, ESCOMBE AND SILVERGLEN**

### **1. Introduction and Scope of work**

Khweza Consulting (Pty) Ltd appointed MRK Consulting to perform a geotechnical assessment of the proposed three telecom sites, 11 Bullbrand Road, Glenpark, 11 Fleming Place, Escombe, and 2 Dawnview Road, Silverglen, required for an EIA submission. Therefore, this report cannot be used as a complete geotechnical investigation to undertake detailed design.

The assessment was aimed at providing desktop site information in terms of:

- Description of the geology/geotechnical conditions across the site.
- To provide soil type classification
- Presence of groundwater
- Potential hazards from prevailing ground conditions

No recommendations will be made in this assessment report in accordance with South African National Standards (SANS 10400-H) and the National Home Builders Registration Council (NHBRC).

### **2. Site Description**

- **11 Bullbrand Road, Glenpark:** The site is situated approximately 5m north of Bullbrand Road. The site is located slightly above road level on gentle sloping ground in a southerly direction toward Bullbrand road. Topographically the site is on flat land, which is general topography in the area. The predominant land use for the area is residential dwelling.
- **11 Fleming Place, Escombe:** The site is situated approximately 10m north east of Fleming Place. The site is situated below road level on steep sloping ground in a south easterly direction away from Fleming Place. Topographically the site is on steep sloping ground, which is the general topography in the area. The predominant land use for the area is residential dwelling.
- **2 Dawnview Road, Silverglen:** The site is situated approximately 10m south of Silverglen Drive. The site is situated above road level on gentle sloping ground in an easterly direction along Silverglen Drive. Topographically the site is on flat land, but the general topography in the area is steep rolling hills. The predominant land use for the area is residential dwelling.

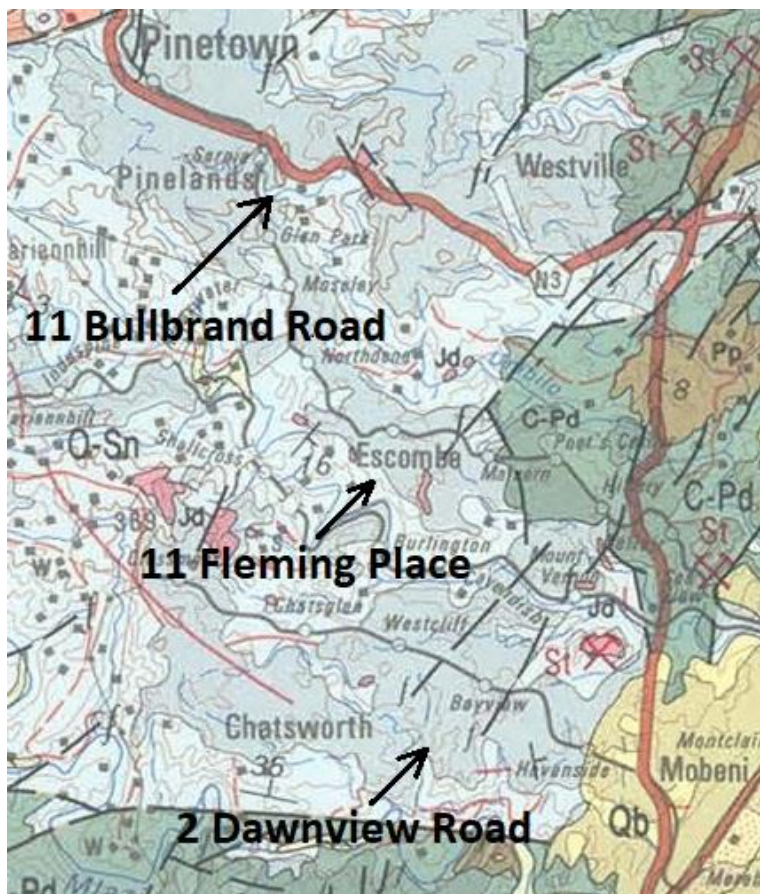
# MRK Consulting

## 3. Geology, Groundwater and Stability conditions of the Site

According to the 1 : 250 000 published geological map number 2930 DURBAN, the proposed three telecom sites, 2 Dawnview Road, Silverglen, 11 Bullbrand Road, Glenpark and 11 Fleming Place, Escombe, is underlain by the following geology:

**O-Sn** - Red-Brown coarse-grained arkosic to subarkosic Sandstone: Quartz Arenite; Micaceous Sandstone, small pebble conglomerate; subordinate Siltstone and Mudstone, of the Natal Group.

Figure 1.1: 1 : 250 000 Geological Map



Source: Geological Map 2930 DURBAN

From previous investigations within the same underlain geology, the expected founding conditions should comprise of the Natal Group material type. This material may generally be described as, slightly moist, Brown or Reddish Brown, loose, intact, transported silty clayey SAND. No bedrock is expected at shallow excavation depths.

# MRK Consulting

For the most foundations, no groundwater seepage is expected, however during periods of prolonged rainfall, particularly during the summer season, a marked increase in the occurrence and magnitude of groundwater seepage flow can be anticipated and perched groundwater flows at the soil / rock interface are likely to occur especially in areas proximal to streams that traverse in the vicinity of the site.

## **4. Geotechnical Evaluation and Recommendations**

For the proposed development, all earthworks should be in accordance with SABS1200DM (current version). Unsuitable fill such as garden refuse and general waste that may be present on site, should be removed from the site and spoilt at a designated dumping site. The first 100mm of material should be stockpiled for later re-use as topsoil.

A very important factor which promotes the stability of a site is proper an adequate control of both surface and groundwater. The design of the storm water management system should be such, as to allow for the drainage of accumulated surface water, directed to natural drainage lines, preferably at minimum of 1m away from the telecom foundations thus preventing direct discharge of storm water onto foundations. Points of discharge from piped stormwater should be carefully designed to limit erosion. All existing services such as water and sewer lines need to be checked thoroughly for leaks and if exposed they should then be adequately buried to avoid damage. Surface drainage of telecom platforms should be designed to direct water away from fill edges to prevent overtopping of the fill crest and erosion of the fill embankment slopes. Grassing of any fill embankments should be carried out as soon as the embankments are constructed, to prevent erosion.

Based on published geological and topographical maps of the area, the site is stable in its natural state and is suitable for the intended development.

The geotechnical assessment contained in the report is generic and cannot be used as a substitute for a site-specific geotechnical investigation and structural design. **It is therefore recommended that a detail geotechnical investigation with trial pit excavation and laboratory testing be undertaken.**

For any queries, do not hesitate to contact us.

Yours faithfully



.....

**Mohammed R Khan**

**ECSA Registration No. 200430258**

**Appendix E: Public Participation**  
Appendix E1 - Site Notice & Evidence



# NOTICE OF EIA APPLICATION

**EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY**

## PURPOSE OF THIS DOCUMENT

Khweza Environmental Consulting has been appointed by Ilanga Technologies Pty Ltd to conduct an Environmental Impact Assessment (Basic Assessment) for the proposed development. The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so potentially triggers an Environmental Impact Assessment (EIA) listed activity. This document aims to provide you, as an Interested and/or Affected Party (I&AP), with information regarding the EIA application process being undertaken for the above-mentioned project. Any person, company, authority, or other entity that might be directly or indirectly affected by the proposed activity is invited to register as an I&AP. This includes, but not limited to landowners, tenants, municipal & provincial authorities, interest groups, non-government organisations, & conservation groups.

## LOCATION & PROJECT DESCRIPTION

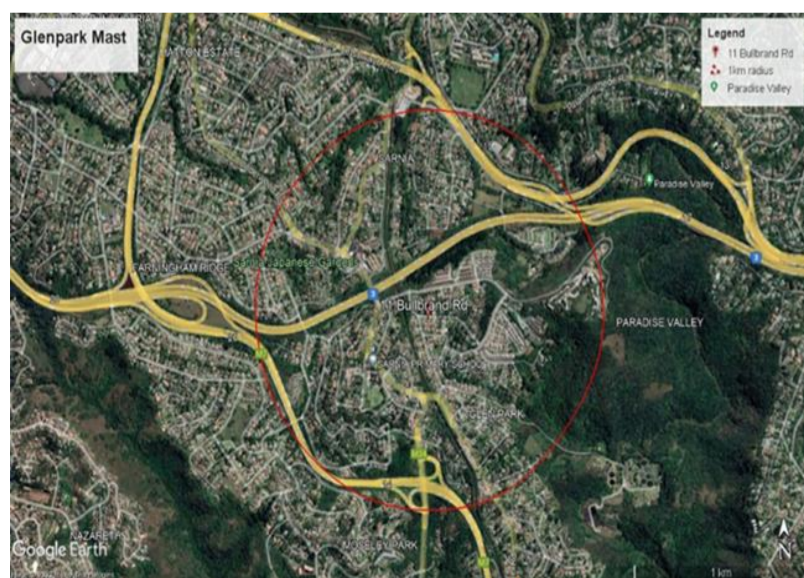
The site is situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown, KwaZulu Natal with GPS coordinates 29°55'39;40,4"S and 30°54,39'7.9"E. Ilanga Technologies proposed the development of a telecommunication mast of 36 meters at a property in Glen Park, Pinetown. The development footprint will be approximately 64m requiring minimal land clearance and impact on the receiving environment. The mast will be designed as a tree mast, with lightning spikes and aviation lights.

## BASIC ASSESSMENT REPORT

The application will follow a Basic Assessment Report route which will identify potential environmental impacts of the development and propose mitigation measures to ensure best environmental practice. The listed activity potentially triggered by the development is Activity 3 of LN3: The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower— (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height— but excluding attachments to existing buildings and masts on rooftops. d. KwaZulu-Nata xiii. Inside urban areas:(dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.

## REGISTER & COMMENT AS AN I&AP

If you consider yourself an I&AP for the development we encourage you to make use of the opportunities created by the Public Participation Process to become involved and raise any issues or concerns which affect and/or interest you. Please direct all comments, queries or issues to Mr. Nazeer Jamal of Khweza Environmental Consulting.



Locality Map

### CONTACT DETAILS

**Postal Address:** Khweza Environmental Consulting, Apartment 8, 155 Moses Kotane Rd, Overport, Durban 4091  
**Email:** [info@khweza.net](mailto:info@khweza.net)  
**Telephone:** 076 151 3334



**KHWEZA**  
environmental consulting

[www.khweza.net](http://www.khweza.net)

# ISAZISO SESICELO SE-EIA

**ISICELO SE-EIA SOKWAKHA IBASE STATION ENE TELECOMMUNICATIONS MAST ENGA MAMITA ANGU 36 ESIKU ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN EKU MASIPALA WASE THEKWINI.**

## ISIZATHU SALOMBHALO

iKhweza Environmental Consulting iqokwe yi Ilanga Technologies Pty Ltd ukuthi yenze iEnvironmental Impact Assessment (Basic Assessment) yalokwakha okuphakanyisiwe. Lesisicelo esokuphakamisa ukwakhiwa kwe base station ene telecommunication mast ka 36m ubude eku Erf 147, 11 Bull Brand Road, Glen Park, Pinetown kumasipala weTheku. Lendawo sondelene ne Paradise Valley Nature Reserve ngokulinganiselwa kumamita angu 0.60km ngakho ke kungahle kuthinteke iEnvironmental Impact Assessment (EIA) listed activity. Lombhalo wenzelwe ukuthi ukunike, njengomunutu onentshisekelo noma othintekayo (I&AP), iminingwane emayelana nohlelo olunga phansi kwa lesisicelo. Abantu, izinkampani, kanye nama authorities athintekayo ngalesicelo iyamenywa ukuthi ibhalise njenge I&AP (Abanentshisekelo kanye Nabathintekayo). Lokhu kuhlanganisa abaphathi bemihlaba, abaqashile, omasipala ne provincial authorities, izinhlango ezinentshisekelo, ama NGO (non-governmental organizations) nama conservation groups

## INDAWO NENGCAZELO YOHLELO

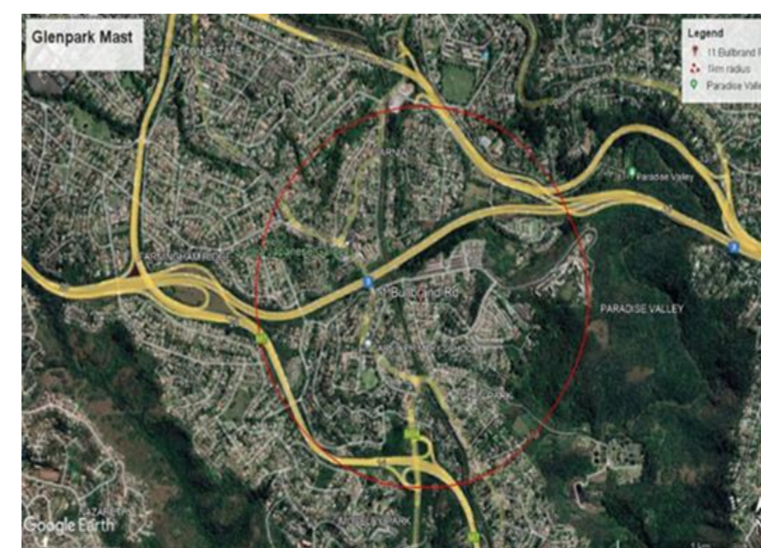
Lendawo iku ERF 147, 11 Bull Brand Road, Glen Park, Pinetown, KwaZulu Natal nama GPS coordinates 29°55'39;40,4"S no 30°54,39'7.9"E. Ilanga Technologies iphakamisa ukwakhiwa kwe telecommunication mast engamamita angu 36 kumhlaba ose Glen Park, Pinetown. Ukwakha sekuhlangene kuzodinga amamita alinganiselwe ku 64 okungeke kundinge ukuhlakulwa nokuthinteka okuningi kwemvelo. IMast izoba yi umfanekiso wesihlahla enezinsimbi ezivikela ekushayeni kombani kanye nama lambu axwayisa amabhanoyi kanye nezindiza.

## UMBICO WOHLILO OLUSEKELAYO

Lesicelo sizolandela imigomo yeBasic Assessment Report ezothola izindlela lezakhiwo ezingathinta gayo umhlaba nezentuthuko ukuze kutholakale amacebo okwenza kangcono ekulandeleni imigomo yemvelo. Ama listed activity angahle athinteke kulentuthuko ngu Activity 3 we LN3: intuthukiso yama masts noma ama towers ezakhiwe nanoma yini esentshenziselwa itelecommunication broadcasting or radio transmission lapho imast noma ama towers a) izobekwa kwi site engakaze isentshenziselwe uhlelo olufana nalolu; b) izodlula amamita angu 15 ubude - kepha ayihlanganisi izakhiwo esezikhona nama masts angaphezu kwesakhiwo. d) KwaZulu-Natal xiii. Ngaphakathi kwezindawo ezisemadolobheni: (dd) Izindawo eziyikhilomita elilodwa yezindawo ezi terrestrial protected ngaphansi kwemigomo ye NEMPAA

## UKU-REJISTA NOKUFAKA IMIBONO NGAMA I&AP

Uma uzibona njengomunye oyi I&AP (Abanentshisekelo kanye Nabathintekayo) kulentuthuko, siyakugquguzela ukuthi usebenzise amathuba enziwe yiPublic Participation Process ukuze ubandakanyeke ukwazi noku phakamisa izinto ezikuthintayo nonentshisekelo yazo. Sicela nihambise yonke imibono nemibuzo kuMnu. uNazeer Jamal wakwaKhweza Environmental Consulting.



Locality Map

### IMININGWANE YOKUXHUMANA

#### Ikheli Leposi:

Khweza Environmental Consulting  
Apartment 8, 155 Moses Kotane Rd,  
Overport, Durban 4091  
**I-imeyili:** [info@khweza.net](mailto:info@khweza.net)  
**Ucingo:** 076 151 3334



**KHWEZA**  
environmental consulting

[www.khweza.net](http://www.khweza.net)





## NOTIFICATION EVIDENCE



Site Notice on fence along Bullbrand Road



Site Notice at main entrance on Bullbrand Road

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Appendix E2 - Advertisement



**0827 GENERAL**

**A bag manufacturing company based in New Germany is looking for an Examiner to examine polypropylene bulk bags.**

- Job Description:**
- Ensure bags are as per job card
  - Match the label of the bag to the job card
  - Check if all the components of the bag are sewn properly
  - Ensure the bags are tied properly
  - Check the quality of the bag

**Qualification:**

- Grade 12
- Must be able to speak, read and write English
- Experience in a textile environment with at least 3 months experience

**Interested candidates to email CV's to [sindi@custombulkbags.co.za](mailto:sindi@custombulkbags.co.za) Closing date 07th June 2022. In terms of Employment Equity, while all qualified candidates will be considered, candidates from designed groups will be given preference.**

**LOCAL TOUR OPERATOR SEEKS TRAVEL CONSULTANT**

Seeking a mature lady with good communication skills, strong administration skills, proficient on computers. Able to work independently, showing attention to detail. Previous travel experience an advantage but not essential.

**Please send 1 page CV to [cvdb@flameofafrica.com](mailto:cvdb@flameofafrica.com)**

**TAX ASSISTANT**

Mature lady to assist in the tax department of a busy accounting firm.

Must have knowledge of e-Filing and filing tax returns.

Salary will be commensurate with age and experience.

**Please forward your CV to: [tracey@dmca.co.za](mailto:tracey@dmca.co.za) If you do not receive a call within 2 weeks of submitting your CV please consider your application unsuccessful.**

**0877 DOMESTIC EMPLOYMENT WANTED**

**Abongile 078 7512803**  
Domestic , Frail Care & Cashier work, F/time, Slp /Out , Mon to Fri , 6 years exp. Ref Nomvume 072 3546585

**Angel 072 7713933**  
Domestic , Child Care & Cashier work, F/time, Slp /Out , Mon to Fri , 3 years exp. LJ000634

**Beauty 072 723 2380**  
Domestic, child & frail care work, F/time, Slp/out, Mon - Fri, 14 years exp. ZL001246

**Beauty 081 7245545**  
Domestic , Child Care & Love Pets work, P/time, Slp/Out , Mon , Wed & Fri , 9 years exp. LJ000636

**Bonisiwe 083 744 7028**  
Domestic & child care work, F/time, Slp/in/out, Mon - Fri, 10 years exp. ZL001255

**Busisiwe 084 4642735**  
Domestic & Child Care work, F/time, Slp/Out , Mon to Fri , 2 year exp. LJ000633

**Deborah 079 1301285**  
Domestic & Child Care work, P/time, Slp/Out , Mon & Fri , 13 years exp. Ref Arien 082 4310956

**Duduzile 083 5345472**  
Seeking for Domestic work, P/time, Slp/Out , Mon , Wed & Fri , 15 years exp. Ref Sheri 083 4810753

**Faith 073 8101323**  
Domestic , Child & Frail Care work, F/time, Slp/Out , Mon to Fri , 7 years exp. Plus Good Refs

**Gail ( Zim) 074 245113**  
Seeking for Domestic work, F/time, Slp/Out , Mon & Sat , 5 years exp. LJ000617

**Goodness 079 2701301**  
Domestic , Child & Frail Care work, P/time, Slp/Out , Mon , Wed & Fri , 5 years exp. LJ000622

**Jennet 062 622 7830**  
Jennet is looking for domestic work, 1 day in a week, Saturday only. 4 years exp. ZL001222

**Julia 082 835 1227**  
Domestic, child & frail care work, F/time, Slp/in/out, Mon - Fri, 5 years exp. ZL001250

**June-Rose 079 8089596**  
Seeking Domestic work, F /time, Slp/Out , Mon to Sat , 14 years exp. LJ000630

**Lindelwa 073 753 3849**  
Domestic, child & frail care work, F/time, Slp/in/out, Mon - Fri, 2 years exp, Ref Mrs NB Mfeka 082 708 7362.

**Ncamsile 061 3939275**  
Domestic & Frail Care work, F/time, Slp/Out , Mon to Sat , 14 years exp. LJ000631

**Ncamsile 078 647 7205**  
Domestic, child & frail care work, F/time, Slp/out, Mon - Fri, 3 years exp, Ref Makhosi 063 774 7650.

**Noluthando 071 4459515**  
Domestic , Child & Frail Care work, F/time, Slp/Out , Mon to Fri , 2 years exp. Ref Sharon 082 8210929

**Nompumelelo 0603030161**  
Gen work /Domestic&Nanny F/Ptime Sl/in/out 12yrs exp Ref:Vishnu 0828596382

**Nonkuleko 072 5579699**  
Domestic & Child Care work, F/time, Slp/Out , Mon to Fri , 4 years exp. Ref Zaheer 079 6162206

**Olga 071 4901545**  
Domestic & Love pets work, P/time, Slp/Out , Mon to Fri , 17 years exp. Ref Mrs Bourer 031 4643781

**Phumzile 073 656 6098**  
Phumzile is looking for domestic work, 2 days in a week, 22 years exp. ZL001252

**Precious 060 3856031**  
Domestic , Child & Frail Care work, F/time, Slp/Out , Mon to Fri , 6 years exp. Ref Deron 081 7640738

**Princess 079 3771831**  
Domestic & Care giver work, F/time, Slp/Out , Mon to Fri , 19 years exp. Plus Good Refs

**Sindisiwe 074 4686900**  
Domestic & Child Care work, F/time, Slp/Out , Mon to Fri , 17 years exp. Ref Christina 082 0468591

**Sindiswa 0783149496**  
Office&Home cleaner /Cashier F/time Sl/Out 8yrs exp 0642091597

**Slindile 072 3030027**  
Domestic , Child & Frail Care work, F/time, Slp/Out , Mon & Fri , 10 years exp. LJ000616

**Staff 063 571 0636**  
Domestic, child care & love pets work, P/time, Slp /out, Mon, Wed & Fri, 2 years exp. ZL001254

**Sylvia 063 5391109**  
Domestic , Child Care & Gardening work, P/time, Slp/Out , Mon , Tue & Sat , 2 years exp. LJ000621

**Thabiso 063 2324732**  
Domestic , Child Care & Cashier work, F/time, Slp /in , Mon to Fri , 4 years exp. Ref Philani 078 6715732

**Thembi 084 7662202**  
Seeking for Domestic work, F/time, Slp/Out , Mon to Fri , 3 years exp. Ref James 062 6176365

**Zinhle Seeks**  
Housekeeping&Nanny work F/Ptime Sl/in Mon-Fri 3yrs exp 0824308854

**0900 LEGALS**

**0910 PUBLIC / LEGAL NOTICES**

**ESTATE LATE RAMADHAR SOOKOO NO 1774/2021 DBN**

NOTICE OF LIQUIDATION AND DISTRIBUTION ACCOUNT LYING FOR INSPECTION Pursuant to the provisions of Section 35(5) of the Administration of Estates Act No 66 of 1965, notice is hereby given that the First and Final Liquidation and Distribution account in the Estate Late RAMADHAR SOOKOO, Identity number; 400421 5088 08 7 who died at Germiston on the 08 FEBRUARY 2020,

is lying for inspection at the office of the Master of the High Court, Durban and the Magistrate's Office, Durban, for a period of twenty one (21) days as from the date of publication hereof.

**MARTIN LAW INC**  
41 Westville Road, Westville  
Tel 031 266 1588  
Email: [elaine@martinlaw.co.za](mailto:elaine@martinlaw.co.za)  
Ref: REW1/0001/ec

**ESTATE NOTICE**

Estate Late Christiaan Fredrick van Straten  
ID 5805155148080  
Date of death: 05/02/2022  
Master's Reference 3413/2022 /PMB  
All persons having claims against the undermentioned estate must lodge it with the Executor concerned within 30 days from date of publication hereof

**M.D. Fraser: Executor's agent**  
P.O. Box 21384 Pumula 4225  
Tel. 082 460 3424  
Email: [phumulaestates@gmail.com](mailto:phumulaestates@gmail.com)

**Notice to Creditors in Deceased Estates**

In the Estate of the late  
Surname: **BONANDRINI**  
Name: **BRIAN ARTHUR**  
Identity Number: 5903145062089  
Date of Birth: 1959-03-14  
Date of Death: 2021-11-04  
Address: **34 VOORTREKKER STREET, ASHLEY, PINETOWN, 3610, KwaZulu-Natal**  
Master's Reference No: 006974/2022/DBN  
Master's Office: **DURBAN**  
First name of surviving spouse: **DAWN CAROL**  
Surname: **BONANDRINI**  
Date of birth: 1959-12 -15  
Identity number: 5912150119080  
Creditors and Debtors in the above Estate are hereby required to file their claims with, and to pay their debts to, the undersigned within thirty (30) days from the date of publication hereof.

**Attorneys / Agent C K Attorneys**  
Address: **1A Leinster Place, St. Helier, Gillitts, 3610, KwaZulu-Natal**  
Contact: 079 278 9487  
Email: [kris@ckattorneys.co](mailto:kris@ckattorneys.co)  
[kriszhekov@gmail.com](mailto:kriszhekov@gmail.com)  
Date Submitted **2022-05-26**  
For publication in the government gazette on: **2022-06-03**

**FILL IT FAST**  
Advertise your vacancy here!  
Contact Classifieds 031 716 4455

**BOOK REVIEWS**

**Psychological thriller fails to impress**

**Her Sister's Lie, Debbie Howells, Pan MacMillan, ISBN: 9781509834723**

I had high hopes for *Her Sister's Lie*, a psychological thriller written by Debbie Howells, who is well known for her bestselling novel, *The Bones of You*. I was expecting an edge-of-your-seat page turner.

However, I found the first half of the book slow and, quite honestly, a little dull.

Sure, the reader is immediately thrown into the protagonist, Hanna Roscoe's crumbling life. She is still reeling in despair from a breakup when she receives a devastating phone call - her one and only sister, Nina, has died. To top it all off, she is has been named the guardian of her late sister's youngest son, Abe and is forced to take him in.

What's more, police quickly determine that Nina was murdered and Hannah starts to get the feeling that the sullen teen might also be dangerous.

This all sounds riveting, however, there are a lot of Hannah's decisions in all this that are not only illogical, but they contradict what you

would expect from a person in the situation. And while it becomes apparent that Hannah is a selfish and self-absorbed drunk, who is determined to keep the ominous secret she and Nina shared hidden, a lot of her actions - as well as other people's actions - seem contrived.

Most of the book is narrated through Hannah, and the reader is repeatedly taken on a trip down memory lane as she recalls the painful past - inching closer and closer to this all-consuming secret.

When weird things start happening around Hannah, she becomes increasingly paranoid.

While some of the small incidents set off extreme reactions in Hannah, other massive red flags and truly horrific things just barely faze her. The whole story just seemed far-fetched and unbelievable.

While some of the plot twists became pretty obvious towards the end, there is one aspect I did not see coming.

- **Mariclaire Smit 2/5 stars**



**Beloved British detective returns in murder-mystery**

**The Darkest Evening, Ann Cleeves, Pan Macmillan, ISBN: 9781509889525**

The Darkest Evening was my introduction to the world of Detective Inspector Vera Stanhope. I had never read any of the other books in the series prior to this there is also a British crime-drama series based on the novels, called Vera, and I was impressed with how the book was able to stand on its own.

If, like me, you have never stumbled upon Ann Cleeves's popular series, the ninth installment is not a bad book to get acquainted with the beloved Vera Stanhope. I must warn you though; she is not your typical hero. The middle-aged woman is described as 'overweight' and 'a bit rough around the edges'. And, while she might seem like a quaint, naïve and demure aunt living next door, she is anything but.

In addition to being quick-witted and incredibly astute, Vera also has a no-nonsense attitude, and she will stop at nothing to unravel the truth.

At the beginning of the 384-page book, we find Vera driving home in a terrible blizzard, during which she comes across an abandoned vehicle in the Northumberland countryside. The driver-side door was left wide open. When she steps out to inspect the car, she is shocked to find a baby inside and not a single trace of the driver. With the blizzard raging on Vera decides to seek refuge at a nearby mansion

that belongs to some of her relatives. Unintentionally, Vera (and the baby) crash an important fundraising party. Begrudgingly, her family welcomes her and the infant into their home.

Not long after Vera arrives, the body of the baby's young mother is found in the mansion's grounds. With the blizzard limiting the suspect list, Vera and her team, DS Joe Ashworth and DC Holly Jackman, face a classic 'who-dunnit' murder-mystery.

Their investigation not only uncovers the world of secrecy and mental anguish suffered by the young victim, but also dark secrets that Vera's family would have rather wanted to remain hidden.

While the book is thrilling, fast-paced yet easy to read, with some wonderfully rich and endearing characters, there were some inconsistencies and coincidences that cost the book a full-five star review.

As this story was centered around a police-lead murder investigation inconsistencies with regards to police procedure weres just a major disappointment and ultimately made the ending slightly unbelievable. However, I felt compelled to know how it ended and found myself reading to the ending at the edge of my seat.

- **Mariclaire Smit 3/5 stars**



**We're HIRING Sub-Editor Vacancy**

Caxton Local Media Durban, home to Highway Mail, Northglen News, Berea Mail, Queensburgh News, Eyethu Intshonolanga and Eyethu Umlazi is looking for an enthusiastic, passionate, self-motivated sub-editor to be based in New Germany, Durban. The role is for online and print publications. You will also be required to proofread papers and do corrections, in which case you will be trained in InDesign.

**JOB DESCRIPTION**

- The incumbent will be responsible for sub-editing copy of all editorial publications
- Assist in writing creative headlines, captions and blurbs
- Check that all info is correct and current
- Research facts when necessary
- Edit copy accurately and efficiently in keeping with house style
- Correct factual, grammar and spelling mistakes
- Check that copy content is within legal boundaries and fits the editor's requirements and standards
- Cut stories to fit layout
- Read all articles to make sure they are offered to the reader in a logical way
- Help with staff training

**REQUIREMENTS**

- A degree in communications, languages or similar qualification
- Proficiency in English
- Three years' work experience as a sub-editor in a newsroom
- The ability to perform under pressure and handle a high workload
- The ability to meet deadlines
- Flair for writing
- Meticulous and organised
- Sound knowledge of Media Law and the South African Press Code
- Willingness to work on weekends and public holidays
- Extensive general knowledge and a wide variety of interests
- Ability to keep author's voice after editing
- Check for flow and style
- Ensure all copy is of a high standard
- Check facts

**PERSONAL SKILLS/ ATTRIBUTES**

- Accountable and responsible
- Detail-orientated and focused
- Self-motivated and resourceful
- Maintain high standards and be adaptable

Only shortlisted candidates will be contacted. The company reserves the right to make appointments or to withdraw vacancies at its own discretion. Applicants who do not adhere to the listed requirements will not be considered.

**Closing date:**  
**Tuesday, 13 June, 2022**  
**Email:** [corrinnel@dbn.caxton.co.za](mailto:corrinnel@dbn.caxton.co.za)

**CAXTON local media**

**0910 LEGAL NOTICES**

**NOTICE OF EIA APPLICATION**

**EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY.**

Notice is hereby given in terms of Regulation 56 of the Environmental Impact Assessment (EIA) Regulations, published in Government Notice R385 in terms of the Section 34(5) of the National Environmental Management Act (107 of 1998) (NEMA), that Khweza Environmental Consulting has been appointed by Ilanga Technologies Pty Ltd to conduct an EIA (Basic Assessment) for the above-mentioned development. An EIA application will be lodged with the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) and so all interested & affected parties (I&APs) are invited to register & submit comments with Khweza Environmental Consulting within 30 days of this advert as per the contact details below.

The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekwin Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and therefore triggers an Environmental Impact Assessment (EIA) listed activity.

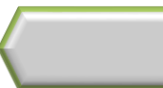
The application will follow a Basic Assessment Report route which will identify potential environmental impacts of the development and propose mitigation measures to ensure best environmental practice. The listed activity potentially triggered by the development is Activity 3 of LNS: The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower— (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height— but excluding attachments to existing buildings and masts on rooftops.

Contact: Nazeer Jamal  
Mobile: 0761513334  
Email: [info@khweza.net](mailto:info@khweza.net)  
Website: [www.khweza.net](http://www.khweza.net)



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Appendix E3 - BID & Comment Form



# BACKGROUND INFORMATION DOCUMENT

**EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY**

## PURPOSE OF THIS DOCUMENT

Khweza Environmental Consulting has been appointed by Ilanga Technologies Pty Ltd to conduct an Environmental Impact Assessment (Basic Assessment) for the proposed development.

The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so potentially triggers an Environmental Impact Assessment (EIA) listed activity.

This document aims to provide you, as an Interested and/or Affected Party (I&AP), with information regarding the EIA application process being undertaken for the above-mentioned project. Any person, company, authority, or other entity that might be directly or indirectly affected by the proposed activity is invited to register as an I&AP. This includes, but not limited to landowners, tenants, municipal & provincial authorities, interest groups, non-government organisations, & conservation groups.

## LOCATION

The site is situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown, Kwa Zulu Natal with GPS coordinates 29°55'40,4"S and 30°54'7.9"E.

## SITE DESCRIPTION

The plot of land in which the development will take place is situated in the Pinetown area, near the Paradise Valley Nature Reserve. The physical address of the site is 11 Bull Brand Road, Glen Park, Pinetown, Kwa Zulu Natal.

The site consists mostly alien vegetation and bush weed with one large indigenous tree. There is very little plant biodiversity within the development footprint. The development footprint will be approximately 64m<sup>2</sup> requiring minimal land clearance and impact on the receiving environment.

The zoning of the site is "vacant and the land classification is "urban", surrounded by residential dwellings, schools, businesses, agencies, and estates.

## PROJECT DESCRIPTION

Ilanga Technologies proposed the development of a telecommunication mast of 36 meters at a property in Glen Park, Pinetown. The development footprint will be approximately 64m<sup>2</sup> requiring minimal land clearance and impact on the receiving environment. The mast will be designed as a tree mast, with lightning spikes and aviation lights.



## BASIC ASSESSMENT REPORT

The Basic Assessment Report will identify potential environmental impacts of the development and propose mitigation measures to ensure best environmental practice. In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and associated EIA Regulations, 2014 (as amended) there are listed activities which may not commence without environmental authorisation from the competent authority. The Department is of the opinion that the above-mentioned project constitutes a listed activity which is identified in terms of section 24 of the National Environmental Management Act (NEMA), Environmental Impact Assessment (EIA) Regulations, 2014 as amended and therefore an environmental authorisation will be required.

The listed activity potentially triggered by the development is Activity 3 of LN3: The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower—

- (a) is to be placed on a site not previously used for this purpose; and
  - (b) will exceed 15 metres in height— but excluding attachments to existing buildings and masts on rooftops.
- d. KwaZulu-Nata xiii. Inside urban areas:  
(dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.

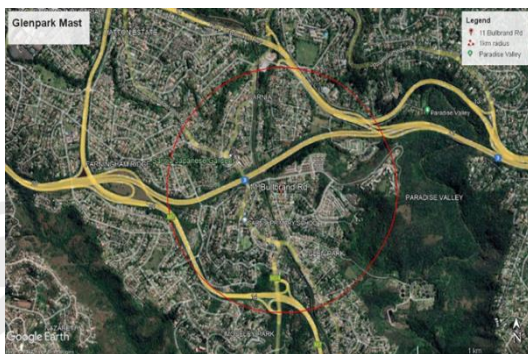


Figure 1: Properties and landmarks within 1km of the proposed development.



Figure 2: Map illustrating the proximity of the site to the Paradise Valley Nature Reserve.

## REGISTER & COMMENT AS AN I&AP

If you consider yourself an I&AP for the development, we encourage you to make use of the opportunities created by the Public Participation Process to become involved and raise any issues or concerns which affect and/or interest you.

By completing and submitting the accompanying registration form, we will ensure that you are registered as an I&AP for the project, and that your concerns or queries regarding the project will be noted. We will also ensure that you are provided with future information pertaining to the project as well as the availability of Environmental Impact Report for review and comment purposes. Please direct all comments, queries or issues as per details below.

### CONTACT DETAILS

**Name:** Mr. Nazeer Jamal  
**Position:** Environment Assessment Practitioner  
**Email:** [info@khweza.net](mailto:info@khweza.net)  
**Telephone:** 076 151 3334



# REGISTRATION OF INTEREST FORM

EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY

KINDLY COMPLETE THIS FORM IN DETAIL AND RETURN IT VIA POST OR EMAIL:

Khweza Environmental Consulting  
c/o Mr Nazeer Jamal  
Apartment 8,  
155 Moses Kotane Road,  
Overport, Durban 4091

**Email:** info@khweza.net  
**Telephone:** 076 151 3334

### PERSONAL DETAILS:

Title:.....First Name: ..... Surname:.....  
 E-Mail: ..... Telephone:.....  
 Organisation:..... Capacity:.....  
 Physical Address:.....  
 Town: .....Code:.....  
 Postal Address: .....  
 Town: .....Code:.....

1. What is your main area of interest with regard to the development?

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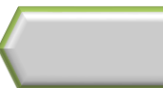
2. Do you have any concerns or support regarding the proposed project? .....  
If "yes", please briefly list these in point form:

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Appendix E4 - I&AP Database







**KHWWEZA**  
environmental consulting

## REGISTER OF INTERESTED AND AFFECTED PARTIES

PROJECT: EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY

Name	Interest	Email	Contact	Address	Not. Date
Ms. Natasha Brijlal	Department of Economic Development, Tourism and Environmental Affairs	<a href="mailto:Natasha.Brijlal@kznedtea.gov.za">Natasha.Brijlal@kznedtea.gov.za</a>	0798980491	22 Dorothy Nyembe Street, 9th Floor, The Marine Building, Durban, 4000	22/7/22
Ms Batha Msomi	eThekwini Metropolitan Municipality	<a href="mailto:Batha.msomi@durban.gov.za">Batha.msomi@durban.gov.za</a>	0313114000	City Engineers Building, 166 K.E. Masinga Road, Durban, 4001.	22/7/22
Ms. Hassina Aboobaker	Department of Water and Sanitation (KwaZulu-Natal)	<a href="mailto:AboobakerH@dws.gov.za">AboobakerH@dws.gov.za</a>	0605375455	88 Field Street, 7th Floor, Southern Life Building, DBN, 4000	22/7/22
Mr. Dominic Wieners	Ezemvelo KZN Wildlife	<a href="mailto:wienersd@kznwildlife.com">wienersd@kznwildlife.com</a>	0338451999	PO Box 13052, Cascades, 3202	22/7/22
Mr John Pakwe	AMAFA	<a href="mailto:john.pakwe@amafainstitute.org.za">john.pakwe@amafainstitute.org.za</a>	0333946543	P.O. Box 2685, PMB, 3201	22/7/22
Mr Mervin Naik	Department of Cooperative Governance and Traditional Affairs	<a href="mailto:mervin.naik@kzncogta.gov.za">mervin.naik@kzncogta.gov.za</a>	0333556508	Private bag X9078 PMB 3200	22/7/22
Ms Judy Reddy	Department of Transport	<a href="mailto:judy.reddy@kzntransport.gov.za">judy.reddy@kzntransport.gov.za</a>		Private Bag X9043, Pietermaritzburg, 3200	22/7/22
Melanie Brauteseth	eThekwini Municipality Ward 18 Councillor	<a href="mailto:melsward18@gmail.com">melsward18@gmail.com</a>	0732578574		22/7/22
Isabelle	Forest Glen Body Corporate	<a href="mailto:bodycorp@pmignite.co.za">bodycorp@pmignite.co.za</a>	0317092152		22/7/22
Kubeshan	Milkwood Estate Body Corporate	<a href="mailto:kubeshann@gmail.com">kubeshann@gmail.com</a>	0833305259		22/7/22
Petrus Jacobus Potgieter	Neighbour	<a href="mailto:potgieteraniska@gmail.com">potgieteraniska@gmail.com</a>	0843995249	16 Bullbrand Road, Glen Park	22/7/22

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Appendix E5 - I&AP Communication





Khweza Environmental &lt;khwezainfo@gmail.com&gt;

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## Background Information Document: Glenpark Telecom Mast

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**Khweza Environmental** <info@khweza.net>

Fri, Jul 22, 2022 at 11:33 AM

To: nazeer@khweza.net

Bcc: batha.msomi@durban.gov.za, aboobakerh@dws.gov.za, wiensd@kznwildlife.com, bernadetp@amafapmb.co.za, mervin.naik@kzncogta.gov.za, judy.reddy@kzntransport.gov.za, melsward18@gmail.com, bodycorp@pmignite.co.za, kubeshann@gmail.com, info@gpnw.co.za

Good day

Dear Stakeholder

I hope you are well.

**PROJECT: EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY**

Khweza Environmental Consulting has been appointed by Ilanga Tech to conduct an Environmental Impact Assessment (Basic Assessment) for the proposed development.

You have been selected as an interested and affected party to the development as you might be directly or indirectly affected by the proposed activity. Please find attached BID with more information. The Draft Basic Assessment Report is being finalised and will soon be shared with you.

Regards

Sent on behalf of EAP - Mr Nazeer Jamal

### **Mr. Riyaadh Motala**

Junior Environmental Consultant



Visit our website at [www.khweza.net](http://www.khweza.net) for updates on our latest projects

---

 **Background Information Document - GlenPark Mast.pdf**  
295K



Khweza Environmental <khwezainfo@gmail.com>

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## Background Information Document: Glenpark Telecom Mast

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**Khweza Environmental** <info@khweza.net>  
To: john.pakwe@amafainstitute.org.za

Wed, Jul 27, 2022 at 12:27 PM

----- Forwarded message -----

From: **Khweza Environmental** <info@khweza.net>  
Date: Fri, Jul 22, 2022 at 10:33 AM  
Subject: Background Information Document: Glenpark Telecom Mast  
To: <nazeer@khweza.net>

[Quoted text hidden]

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[Quoted text hidden]

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 **Background Information Document - GlenPark Mast.pdf**  
295K



Khweza Environmental <khwezainfo@gmail.com>

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## Background Information Document: Silverglen Telecom Mast

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**Judy Reddy** <Judy.Reddy@kzntransport.gov.za>  
To: Khweza Environmental <info@khweza.net>

Mon, Jul 25, 2022 at 9:59 AM

MORNING RIYAADH ATTACHED IS THE CHECKLIST FOR DEVELOPMENT, PLEASE CAN YOU SUBMIT ACCORDINGLY. THANKS

[Quoted text hidden]



**Development Application.doc**

120K



Khweza Environmental &lt;khwezainfo@gmail.com&gt;

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**(no subject)**

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**Khweza Environmental** <info@khweza.net>  
To: Aniska Potgieter <potgieteraniska@gmail.com>

Thu, Jul 14, 2022 at 1:42 PM

Dear Petrus Potgieter

Hope you are well.

Thank you for reaching out to us with regards to the proposed development of the telecom mast in your area. We are still in the process of application and so will include your comments into the documents for the Departments to consider.

To address the issues that you have listed:

1. The mast belongs to Telkom for the purpose of improved network coverage in the area as the area has been marked as requiring increased coverage.
2. From our investigation considering the low exposure levels, height of the mast and information from the DOH and WHO, there is no scientific evidence that the weak RF signals from base stations and wireless networks cause adverse health effects. I have attached a report from the Department of Health in this regard.

Thank You.

On behalf of Mr. Nazeer Jamal (EAP)

Regards,  
Riyaadh Motala (Jr Environmental Consultant)

On Thu, Jun 30, 2022 at 5:44 PM Aniska Potgieter &lt;potgieteraniska@gmail.com&gt; wrote:

--

**Mr. Riyaadh Motala**  
Junior Environmental ConsultantVisit our website at [www.khweza.net](http://www.khweza.net) for updates on our latest projects

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 **Letter - health effects of masts phones - March 2019.pdf**  
229K

# REGISTRATION OF INTEREST FORM

EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI MUNICIPALITY

KINDLY COMPLETE THIS FORM IN DETAIL AND RETURN IT VIA POST OR EMAIL:

Khweza Environmental Consulting  
c/o Mr Nazeer Jamal  
Apartment 8,  
155 Moses Kotane Road,  
Overport, Durban 4091

Email: info@khweza.net  
Telephone: 076 151 3334

## PERSONAL DETAILS:

Title:.....First Name: PETRUS JAWBAS Surname: POTGIETER  
E-Mail: P.POTGIETER@GMAIL.COM Telephone: 0843995249  
Organisation: PRIVATE Capacity: .....

Physical Address: 16 BULL BRAND ROAD  
Town: GLEN PARK Code: 3610

Postal Address: .....

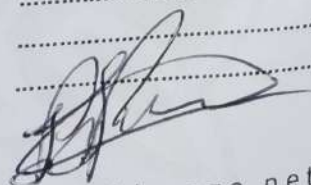
Town: ..... Code: .....

1. What is your main area of interest with regard to the development?

I STAY IN MY HOUSE FOR 25 YEARS AND THERE IS ENOUGH TOWERS ALL AROUND ME. I DON'T WANT ONE NEXT TO MY HOUSE ALSO.

2. Do you have any concerns or support regarding the proposed project? .....  
If "yes", please briefly list these in point form:

YES - WE ARE ELDERLY PERSONS AND THE TOWERS IS VERY DANGEROUS TO HUMAN HEALTH. I SAY NO TO A TOWER.  
NO. NO. NO.

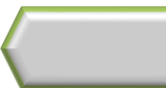


www.khweza.net | info@khweza.net | 076 151 3334



**KHWEZA**  
environmental consulting

Appendix E6 - I&AP Comments and Responses





**I&AP COMMENT AND RESPONSES**

This Comments and Responses Report records the issues and concerns, questions and suggestions raised by Interested and Affected Parties (I&APs) during the initial public participation process. A preliminary I&AP database of authorities, Non-Governmental Organisations, Community-based Organisations and other key stakeholders was compiled. A Background Information Document (BID) was released for a 30-day review. The BID provided introductory information on the proposed project, encouraged people to register on the I&AP database and provided an initial opportunity to comment. Advertisements announcing the application and the I&AP registration were placed in a local newspaper. Site notices were also placed during this period.

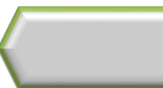
NO,	COMMENTING DEPARTMENT	PERSON	METHOD	COMMENTS TO DATE:	RESPONSES
1	Department of Economic Development, Tourism and Environmental Affairs	Ms. Natasha Brijjal	Email	No comments to date	N/A
2	eThekweni Metropolitan Municipality	Ms Batha Msomi	Email	26 July 2022 Good day Nazeer This email acknowledges receipt of the BID. Kindly forward us a copy of the draft report and supporting appendices upon completion. Kind Regards Bath	N/A
3	Department of Water and Sanitation (KwaZulu-Natal)	Ms. Hassina Aboobaker	Email	No comments to date	N/A
4	Ezemvelo KZN Wildlife	Mr. Dominic Wieners	Email	No comments to date	N/A
5	AMAFA	Mr John Pakwe	Email	No comments to date	N/A
6	Department of Cooperative Governance and Traditional Affairs	Mr Mervin Naik	Email	No comments to date	N/A
7	Department of Transport	Ms Judy Reddy	Email	25 July 2022 Morning Riyaadh Attached is the checklist for development, please can you submit accordingly. thanks	N/A

Appendix E6 - I&AP Comment and Responses

8	eThekweni Municipality Ward 18 Councillor	Melanie Brauteseth	Email	No comments to date	N/A
9	Forest Glen Body Corporate	Isabelle	Email	No comments to date	N/A
10	Milkwood Estate BC	Kubeshan	Email	No comments to date	N/A
11	Neighbour	Petrus Jacobus Potgieter	Drop off	<p>30 June 2022</p> <p>I stay in my house for 25 years and there is enough towers all around me. I don't want one next to my house.</p> <p>Yes, we are elderly persons and towers is very dangerous to human health. I say no to a tower. No. No. No.</p>	<p>14 July 2022</p> <p>Dear Petrus Potgieter</p> <p>Hope you are well.</p> <p>Thank you for reaching out to us with regards to the proposed development of the telecom mast in your area. We are still in the process of application and so will include your comments into the documents for the Departments to consider.</p> <p>To address the issues that you have listed:</p> <ol style="list-style-type: none"> <li>1. The mast belongs to Telkom for the purpose of improved network coverage in the area as the area has been marked as requiring increased coverage.</li> <li>2. From our investigation considering the low exposure levels, height of the mast and information from the DOH and WHO, there is no scientific evidence that the weak RF signals from base stations and wireless networks cause adverse health effects. I have attached a report from the Department of Health in this regard.</li> </ol> <p>Thank You. On behalf of Mr. Nazeer Jamal (EAP)</p>

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Appendix E7 - Website Advert





✉ nazeer@khweza.net 📞 076 151 3334 📍 South Africa

## Telecom Mast GlenPark EIA

Home > 2022 > Jun > 7 > Telecom M



### **EIA APPLICATION FOR THE PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M, SITUATED AT ERF 85, PORTION 933, 2 DAWNVIEW ROAD, SILVERGLEN, CHATSWORTH WITHIN ETHEKWINI MUNICIPALITY**

Khweza Environmental Consulting has been appointed by Ilanga Technologies Pty Ltd to conduct an Environmental Impact Assessment (Basic Assessment) for the proposed development.

The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at ERF 85, Portion 933, 2 Dawnview Road, Silverglen, Chatsworth located within eThekweni Municipality. The site falls within approximately 0.58km of the Silverglen Nature reserve potentially triggers an Environmental Impact Assessment (EIA) listed activity.

This document aims to provide you, as an Interested and/or Affected Party (I&AP), with information regarding the EIA application process being undertaken for the above-mentioned project. Any person, company, authority, or other entity that might be directly or indirectly affected by the proposed activity is invited to register as an I&AP. This includes, but not limited to landowners, tenants, municipal & provincial authorities, interest groups, non-government organisations, & conservation groups.

The site is situated at ERF 85, Portion 933, 2 Dawnview Road, Silverglen, Chatsworth, Kwa Zulu Natal with GPS coordinates 29° 55' 40.36"S and 30° 7.87"E.

The plot of land in which the development will take place is situated in the Chatsworth area, near the Silverglen Nature Reserve. The physical location of the site is "2 Dawnview Road, Silverglen, Chatsworth, Kwa Zulu Natal".

The land is classified as "urban" and zoned is residential. The surrounding land uses are mainly residential with a mosque adjacent to the proposed development footprint will be approximately 50m<sup>2</sup> requiring minimal land clearance and impact on the receiving environment.

The development site falls within the Durban Metropolitan North Coast Grassland, however, the site has been transformed from its natural condition as there are existing residential buildings on the property with no biodiversity concerns.

Ilanga Technologies proposed the development of a telecommunication mast of 36 meters at a property in Silverglen, Chatsworth. The development footprint will be approximately 50m<sup>2</sup> requiring minimal land clearance and impact on the receiving environment. The mast will be designed as a tree mast, with lightning spikes and aviation lights.

The Basic Assessment Report will identify potential environmental impacts of the development and propose mitigation measures to ensure best environmental practice. In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and associated EIA Regulations, 2014 (as amended) there are listed activities which may not commence without environmental authorisation from the competent authority. The Department of Environmental Affairs holds the opinion that the above-mentioned project constitutes a listed activity which is identified in terms of section 24 of the National Environmental Management Act (NEMA), Environmental Impact Assessment (EIA) Regulations, 2014 as amended and therefore an environmental authorisation is required.

The listed activity potentially triggered by the development is Activity 3 of LN3:

The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the tower—

- (a) is to be placed on a site not previously used for this purpose; and
  - (b) will exceed 15 metres in height—
- but excluding attachments to existing buildings and masts on rooftops.

d. KwaZulu-Natal xiii. Inside urban areas:

- (dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.

If you consider yourself an I&AP for the development, we encourage you to make use of the opportunities created by the Public Participation Process to become involved and raise any issues or concerns which affect and/or interest you.

By completing and submitting the accompanying registration form, we will ensure that you are registered as an I&AP for the project, and that your concerns or queries regarding the project will be noted. We will also ensure that you are provided with future information pertaining to the project as well as the availability of Environmental Impact Report for review and comment purposes. Please direct all comments, queries or issues as per the details below.

**CONTACT DETAILS**

**Name:** Mr. Nazeer Jamal

**Position:** Environment Assessment Practitioner

**Email:** [info@khweza.net](mailto:info@khweza.net)

**Telephone:** 076 151 3334

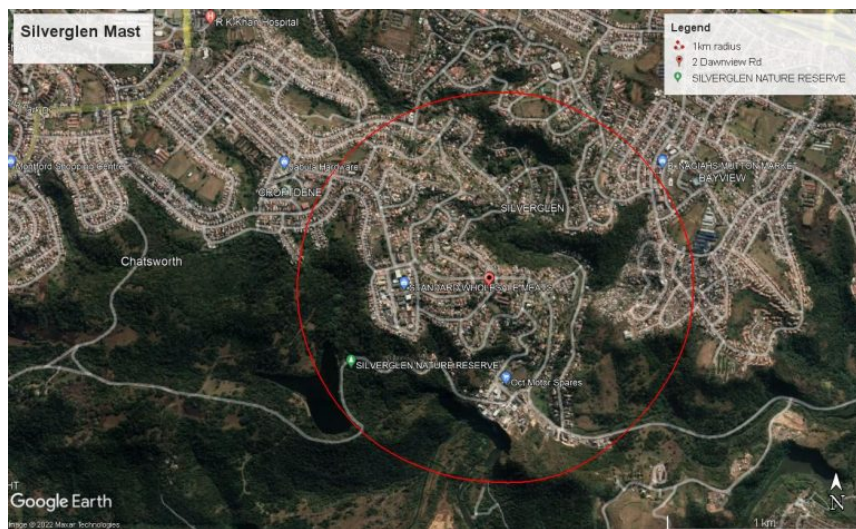


Figure 1: Properties and landmarks within 1km of the proposed development.

🕒 Jun 7, 2022
👤 adminkhweza
📁 Uncategorized

🔍 eia, Environmental Assessment, environmental consulting, environmental impact assessment
✎ Edit

## What does Khweza mean?

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Khweza is a Zulu verb meaning to preserve, uphold, ascend, keep safe and to store away for future use.

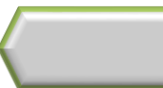
We truly believe that Khweza represents the concept of sustainability and the importance of protecting our resources for future generations.

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**Appendix F: Impact Assessment**



## Methodology to Determine and Rank Significance and Consequences of Impacts Associated with all Alternative as per Section 3(h)(vi)

The significance of potential environmental impacts identified during the assessment has been assessed in terms of the Guideline Documentation on EIA Regulation, Department of Environmental Affairs and Tourism, 2014. This is the rating scale developed by Khweza Environmental Consulting for use in our reports. The following four parameters were assessed:

1. **Duration** - This parameter rates the timespan of the impact.
2. **Extent** - This parameter rates the extent of the impact on a spatial scale
3. **Magnitude** - This parameter rates the severity of impacts with and without mitigation.
4. **Probability** - This parameter rates the likelihood of the impacts occurring.

The significance is calculated by combining the criteria in the following formula:

$$S = (D+E+M) P$$

S = Significance weighting D = Duration E = Extent M = Magnitude P = Probability

Score	Label	Criteria
<b>Duration</b>		
1	Very short term	< 3 months
2	Short term	3 months - 6 months
3	Medium term	6 months - 1 year
4	Long term	1 years to 10 years
5	Permanent	> 10 years / Permanent
<b>Extent</b>		
1	Minor	Limited to development site
2	Surrounding	Limited to site and sites adjacent to the site.
3	Local	Within the town or city.
4	Regional	Provincial
5	National/ International	Countrywide and/or International
<b>Magnitude</b>		
0	Negligible	No effect / Non harmful
2	Minor	Slight/ potential harm on the environment
4	Low	Small impact on the environment
6	Moderate	A moderate impact on the environment
8	High	The impacts on the environment are large
10	Very high	Fatal flaw
<b>Probability</b>		
1	Improbable	Probably will not happen
2	Potential	Some possibility, but low likelihood
3	Probable	Distinct possibility
4	Highly probable	Most likely
5	Definite	The impact will occur

Table 1: Significance Criteria

Score	Label	Motivation
10 or <	Negligible	The impact is very small to absent
11- 20	Low	Impact does not have a serious outcome but may require mitigation
21 - 40	Medium	Impact has serious outcomes without mitigation
41 - 70	High	Impact has serious outcomes even with mitigation
71 or >	Very high	Major impacts and fatal flaw.

Table 2: Scoring Results



**ASSESSMENT OF IMPACTS DURING PRE-CONSTRUCTION PHASE**

No.	Impact	Activity	Significance Rating Prior to Mitigation						Recommended Mitigation Measures	Significance Rating with Mitigation					
			D	E	M	P	T	SR		D	E	M	P	T	SR
1	Air and Dust Pollution	• Field studies	2	1	2	2	10	N	• Existing walk paths must be used.	2	1	0	1	3	N
2	Noise Pollution	• Field studies	2	1	2	2	10	N	• Work to be carried out during normal working hours only.	2	1	0	1	3	N
3	Soil Erosion	• Field studies	2	1	2	2	10	N	• If any areas are exposed due to activity on the site, the area must be revegetated as soon as possible.	2	1	0	1	3	N
4	Visual Pollution	• Field studies	2	1	2	2	10	N	• If any areas are exposed due to activity on the site, the area must be revegetated as soon as possible.	2	1	0	1	3	N
5	Terrestrial and Aquatic Ecology & Biodiversity	• Field studies	2	1	2	2	10	N	• Existing walk paths must be used.	2	1	0	1	3	N
6	Ground Pollution	• Field studies	2	1	2	2	10	N	• No heavy vehicles must be permitted on site.	2	1	0	1	3	N
7	Waste Generation	• Field studies	2	1	2	2	10	N	• All waste/ litter / rubbish generated must be continually cleaned-up and disposed of at a registered landfill site.	2	1	0	1	3	N
8	Cultural and Heritage Resources	• Field studies	2	1	2	2	10	N	• All graves, cultural and heritage artefacts to be declared to local authorities and relevant departments, if found.	2	1	0	1	3	N

**ASSESSMENT OF IMPACTS DURING CONSTRUCTION PHASE**

No.	Impact	Activity	Significance Rating Prior to Mitigation						Recommended Mitigation Measures	Significance Rating with Mitigation					
			D	E	M	P	T	SR		D	E	M	P	T	SR
1	Air and Dust Pollution	<ul style="list-style-type: none"> <li>• Vegetation stripping.</li> <li>• Stockpiling.</li> <li>• Excavation.</li> <li>• Transporting of materials.</li> <li>• Replacing topsoil.</li> <li>• Construction work.</li> <li>• Revegetation</li> </ul>	3	2	2	3	21	M	<ul style="list-style-type: none"> <li>• Dust must be suppressed through a watering programme, especially during windy conditions.</li> <li>• Access roads must be watered regularly with recycled greywater to reduce water consumption.</li> <li>• Indigenous vegetation must not be unnecessarily stripped.</li> <li>• Domestic fires must be prohibited on site.</li> <li>• Construction materials must be concealed when not in use, to reduce contact with natural elements.</li> <li>• Vehicles must be serviced regularly.</li> <li>• Speed limits for vehicles.</li> </ul>	3	1	2	2	12	L
2	Noise Pollution	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Replacing topsoil.</li> <li>• Construction machinery.</li> <li>• Revegetation</li> </ul>	3	2	2	3	21	M	<ul style="list-style-type: none"> <li>• Work to be carried out during normal working hours only.</li> <li>• Vehicles and machinery must be serviced regularly according to National building standards.</li> <li>• Speed limits for vehicles.</li> <li>• All workers must comply with occupational health and safety requirements for PPE.</li> </ul>	3	1	2	2	12	L
3	Soil Erosion	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Stockpiling</li> <li>• Excavating.</li> </ul>	3	2	4	3	27	M	<ul style="list-style-type: none"> <li>• Topsoil must be removed and stockpiled in an appropriate area and not exceed</li> </ul>	3	2	2	2	14	L

		<ul style="list-style-type: none"> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Stormwater management</li> <li>• Building.</li> <li>• Revegetation</li> </ul>														
4	Visual Pollution	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Sloping and landscaping.</li> <li>• Construction.</li> <li>• Waste storage and housekeeping.</li> </ul>	3	2	2	3	21	M	<ul style="list-style-type: none"> <li>• 3m in height and must have a berm surrounding it.</li> <li>• The topsoil must be inspected for erosion daily.</li> <li>• Condition of soil in walk or drive areas must be checked daily for erosion.</li> <li>• Access road condition must be checked daily.</li> <li>• Exposed areas must be revegetated immediately when work has been completed.</li> <li>• Slopes to be 1:15;</li> <li>• Retaining walls to be constructed where necessary.</li> </ul>	2	1	2	2	10	N	
5	Terrestrial and Aquatic Ecology & Biodiversity	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> </ul>	3	2	4	3	27	M	<ul style="list-style-type: none"> <li>• Concurrent rehabilitation of exposed areas.</li> <li>• No stockpiled material is to be retained.</li> <li>• The revegetated area must be shaped to ensure that the area blends in with the existing landscape.</li> <li>• Proper rubbish/waste bins to be provided.</li> <li>• Waste to be emptied bi-weekly and when full and the waste to be removed to an official waste disposal site.</li> </ul>	3	2	4	2	18	L	

		<ul style="list-style-type: none"> <li>• Building.</li> <li>• Waste storage</li> </ul>							<ul style="list-style-type: none"> <li>• Proper rubbish/waste bins to be provided.</li> <li>• These to be emptied bi-weekly and when full and the waste to be removed to an official waste disposal site.</li> <li>• All litter / rubbish in the area to be continually clean-up and placed in the waste bin.</li> <li>• Alien invasives must be removed when observed.</li> <li>• The clearance of any indigenous vegetation must be approved by the ECO prior to such clearance.</li> <li>• The removal of alien vegetation should be undertaken manually by hand near sensitive areas.</li> </ul>						
6	Ground Pollution	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Construction.</li> <li>• Waste storage area</li> </ul>	3	2	2	2	14	L	<ul style="list-style-type: none"> <li>• All heavy vehicles, excavators and generators must be serviced and in good working condition.</li> <li>• A drip tray must be available under all vehicles when not in use and generators.</li> <li>• Should a vehicle have a break down, it must be serviced immediately.</li> <li>• If a spill has occurred, then it must be cleared up promptly. If the spill is small, it can be cleaned with a spill kit however if large, it must be reported to the Department and a spill clean-up company must be used to clean-up the spill.</li> </ul>	2	1	2	2	10	N
7	Waste Generation	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Excavating.</li> </ul>	3	2	2	2	14	L	<ul style="list-style-type: none"> <li>• All waste/ litter / rubbish generated must be continually cleaned-up and placed in the waste bin.</li> </ul>	2	1	2	2	10	N

		<ul style="list-style-type: none"> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Building.</li> <li>• Revegetation.</li> </ul>							<ul style="list-style-type: none"> <li>• All waste must be separated and recycled, where waste must be disposed off, it must be done so at an appropriate registered waste disposal facility.</li> <li>• Use of eco-friendly materials in construction activities.</li> </ul>						
8	Cultural and Heritage Resources	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Excavating</li> <li>• Construction</li> <li>• Sloping and landscaping</li> </ul>	3	2	2	2	14	L	<ul style="list-style-type: none"> <li>• All graves, cultural and heritage artefacts to be declared to local authorities and relevant departments.</li> <li>• All work to cease in area until given access to continue again.</li> </ul>	3	1	2	2	12	L
9	Water Resources	<ul style="list-style-type: none"> <li>• Vegetation stripping</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Building.</li> <li>• Revegetation.</li> </ul>	3	2	2	2	14	L	<ul style="list-style-type: none"> <li>• All surface water flows must be channelled into stormwater drains which must be connected to the existing municipal stormwater system.</li> <li>• Any large spillages must be reported to relevant departments/authorities</li> <li>• All construction materials including fuels and oil should be stored in demarcated areas that are contained within berms/bunds to avoid the spread of any contamination into sensitive areas.</li> </ul>	3	1	2	2	12	L

## ASSESSMENT OF IMPACTS DURING OPERATIONAL PHASE

No.	Impact	Activity	Significance Rating Prior to Mitigation						Recommended Mitigation Measures	Significance Rating with Mitigation					
			D	E	M	P	T	SR		D	E	M	P	T	SR
1	Soil Erosion	<ul style="list-style-type: none"> <li>Stormwater management</li> </ul>	2	2	2	2	12	L	<ul style="list-style-type: none"> <li>All surface water flows must be channelled into stormwater drains which must be connected to the existing municipal stormwater system.</li> <li>Any exposed surfaces must be revegetated as soon as possible.</li> </ul>	1	1	2	2	8	N
2	Terrestrial and Aquatic Ecology & Biodiversity	<ul style="list-style-type: none"> <li>Mast Maintenance</li> </ul>	2	2	2	2	12	L	<ul style="list-style-type: none"> <li>The mast must be monitored monthly for bird nests and if nests are found, the relevant wildlife authority must be contacted.</li> </ul>	1	1	2	2	8	N
3	Visual Pollution	<ul style="list-style-type: none"> <li>Mast Maintenance</li> </ul>	2	2	2	2	12	L	<ul style="list-style-type: none"> <li>A maintenance plan must be designed and implemented to ensure that the mast is not damaged.</li> </ul>	1	1	2	2	8	N

ASSESSMENT OF IMPACTS DURING DECOMMISSIONING PHASE

No.	Impact	Activity	Significance Rating Prior to Mitigation						Recommended Mitigation Measures	Significance Rating with Mitigation					
			D	E	M	P	T	SR		D	E	M	P	T	SR
1	Air and Dust Pollution	<ul style="list-style-type: none"> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Demolition of buildings and structures.</li> <li>• Revegetation.</li> </ul>	2	2	2	3	18	L	<ul style="list-style-type: none"> <li>• Dust must be suppressed through an irrigation programme, especially during windy conditions.</li> <li>• Access roads must be watered regularly, especially in the dry winter months &amp; high winds.</li> <li>• Domestic fires must be prohibited on site.</li> <li>• Vehicles must be serviced regularly. Speed limits for vehicles.</li> </ul>	2	1	2	2	10	N
2	Noise Pollution	<ul style="list-style-type: none"> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Demolition of building.</li> <li>• Revegetation.</li> </ul>	2	2	2	3	18	L	<ul style="list-style-type: none"> <li>• Work to be carried out during normal working hours only.</li> <li>• Vehicles must be serviced regularly.</li> <li>• Speed limits for vehicles.</li> </ul>	2	1	2	2	10	N
3	Soil Erosion	<ul style="list-style-type: none"> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Demolition of building.</li> </ul>	3	2	4	3	27	M	<ul style="list-style-type: none"> <li>• Condition of soil in walk or drive areas must be checked daily for erosion.</li> <li>• Access road condition must be checked daily.</li> <li>• Exposed areas must be revegetated immediately when work has been completed.</li> <li>• Slopes to be 1:15.</li> </ul>	2	2	2	2	12	L

		<ul style="list-style-type: none"> <li>• Revegetation</li> <li>• Stormwater management</li> </ul>													
4	Visual Pollution	<ul style="list-style-type: none"> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Demolition of building.</li> <li>• Waste storage</li> </ul>	2	1	2	3	12	L	<ul style="list-style-type: none"> <li>• Drainage systems should be inspected regularly and maintained.</li> <li>• Concurrent rehabilitation of exposed areas.</li> <li>• No stockpiled material is to be retained.</li> <li>• The revegetated area must be shaped to ensure that the area blends in with the existing landscape.</li> <li>• Proper rubbish/waste bins to be provided.</li> </ul>	2	1	2	2	10	N
5	Terrestrial and Aquatic Ecology & Biodiversity	<ul style="list-style-type: none"> <li>• Stockpiling</li> <li>• Excavating.</li> <li>• Transporting of materials.</li> <li>• Sloping and landscaping.</li> <li>• Replacing topsoil.</li> <li>• Demolition of building.</li> <li>• Waste storage</li> </ul>	2	2	4	3	24	M	<ul style="list-style-type: none"> <li>• All protected species must be marked off and if required, be removed, rescued, and replanted in the indigenous garden.</li> <li>• Only existing roads to be used by vehicles.</li> <li>• Alien invasives must be removed when observed.</li> </ul>	2	2	2	2	12	L
6	Ground Pollution	<ul style="list-style-type: none"> <li>• Transporting of materials.</li> <li>• Demolition of building.</li> <li>• Waste storage area</li> </ul>	2	2	2	3	18	L	<ul style="list-style-type: none"> <li>• All heavy vehicles, excavators and generators must be serviced and in good working condition.</li> <li>• A drip tray must be available under all vehicles when not in use and generators.</li> <li>• Should a vehicle or machinery have a break down, it must be serviced immediately.</li> <li>• If a spill has occurred, then it must be cleared up promptly. If the spill is small,</li> </ul>	2	1	2	2	10	N



									it can be cleaned with a spill kit however if large, it must be reported to the Department and a spill clean-up company must be used to clean-up the spill.						
7	Waste Generation	<ul style="list-style-type: none"> <li>Excavating.</li> <li>Transporting of materials.</li> <li>Sloping and landscaping.</li> <li>Demolition of building.</li> <li>Waste storage</li> </ul>	2	2	2	3	18	L	<ul style="list-style-type: none"> <li>All waste/ litter / rubbish generated must be continually cleaned-up and placed in the waste allocated recycling bin.</li> <li>All waste must be separated and recycled, where waste must be disposed off, it must be done so at an appropriate registered waste disposal facility.</li> </ul>	2	1	2	2	10	N
8	Water Resources	<ul style="list-style-type: none"> <li>Vegetation stripping</li> <li>Excavating.</li> <li>Transporting of materials.</li> <li>Building.</li> <li>Revegetation.</li> </ul>	2	2	2	2	12	L	<ul style="list-style-type: none"> <li>All surface water flows must be channelled into stormwater drains which must be connected to the existing municipal stormwater system.</li> <li>Any spillages must be reported to relevant departments/authorities</li> <li>All construction materials including fuels and oil should be stored in demarcated areas that are contained within berms/bunds to avoid the spread of any contamination into sensitive areas.</li> </ul>	2	1	2	2	10	N

**No-Go Alternative**

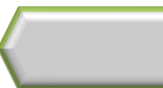
No.	Impact	Activity	Significance Rating Prior to Mitigation						Recommended Mitigation Measures	Significance Rating with Mitigation					
			D	E	M	P	T	SR		D	E	M	P	T	SR
1	Visual Pollution	<ul style="list-style-type: none"> <li>Lack of maintenance and management of landscape.</li> <li>No conservation and awareness methods implemented.</li> <li>Consistent infiltration and succession of invasive species.</li> </ul>	4	2	4	4	40	M	<ul style="list-style-type: none"> <li>Clearance of invasive species and ecologically safe methods to reduce their further infiltration.</li> <li>Adequate maintenance and landscaping every 6 months, could be costly.</li> </ul>	4	2	2	3	24	M
2	Terrestrial and Aquatic Ecology & Biodiversity	<ul style="list-style-type: none"> <li>Lack of maintenance and management of landscape.</li> <li>No conservation and awareness methods implemented.</li> <li>Consistent infiltration and succession of invasive species.</li> </ul>	4	2	4	4	40	M	<ul style="list-style-type: none"> <li>Clearance of invasive species and ecologically safe methods to reduce their further infiltration.</li> <li>Attention and awareness of indigenous species, and methods to promote their development.</li> <li>Ecological assessments of site every 6 months or seasonal.</li> <li>Habitat restoration</li> </ul>	4	2	2	2	16	L
3	Socio-economic impacts	<ul style="list-style-type: none"> <li>The vacant property becomes a haven for potential criminals, vagrants and creates land invasion.</li> <li>Non contribution to local economy and job provision.</li> <li>Crime and devaluation of property values.</li> </ul>	4	3	4	3	33	M	<ul style="list-style-type: none"> <li>Regular and reinforced policing and security services.</li> <li>Barricade or fence entire property.</li> <li>Community forums of adjacent areas to monitor site, supported by owners.</li> <li>Employ locals for security, rehabilitation, and recultivation methods.</li> <li>Fences to be inspected for entry points every 2 weeks.</li> </ul>	4	2	2	2	16	L

Draft Basic Assessment Report for Proposed Glenpark Telecom Mast



4	Waste Management	<ul style="list-style-type: none"> <li>Vacant property harbours illegal waste dumping.</li> </ul>	4	2	6	4	48	H	<ul style="list-style-type: none"> <li>Regular clean up and waste collecting from site.</li> <li>Walls and fences to restrict access.</li> <li>Security and policing services.</li> </ul>	4	2	4	2	20	L
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**Appendix G: Environmental Management Programme (EMPr)**



# DRAFT ENVIRONMENTAL MANAGEMENT PROGRAM

EMPR

## Project

EIA Application for the Proposed Construction of a New Base Station with a Telecommunication Mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glenpark, Pinetown, located within the eThekweni Municipality



**KHWWEZA**  
environmental consulting

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## 1 BACKGROUND OF PROJECT

Khweza Environmental Consulting has been appointed by Ilanga Technologies Proprietary Limited as the EAP. The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so potentially triggers an Environmental Impact Assessment (EIA) listed activity. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crows nest.

There is very little plant biodiversity within the development footprint. The site consists of mainly alien and invasive vegetation including species such as *Solanum mauritanium* (bugweed) and *Bidens pilosa* (blackjack) amongst the other species. There is a large indigenous tree in the middle of the property however the mast will be constructed in the south west corner of the property and as a result the indigenous tree will be trimmed and not removed. The alien vegetation and other invasive species will be cleared prior to construction and will be revegetated with indigenous grass/plants and maintained. Access to the site will be from the existing gate to the south east of the property.. The zoning of the site is "Administration" and the land classification is "urban", surrounded by residential dwellings, schools, businesses, agencies, and estates. The site is situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown, Kwa Zulu Natal with GPS coordinates 29°50'16.17"S and 30°52'44.0"E.

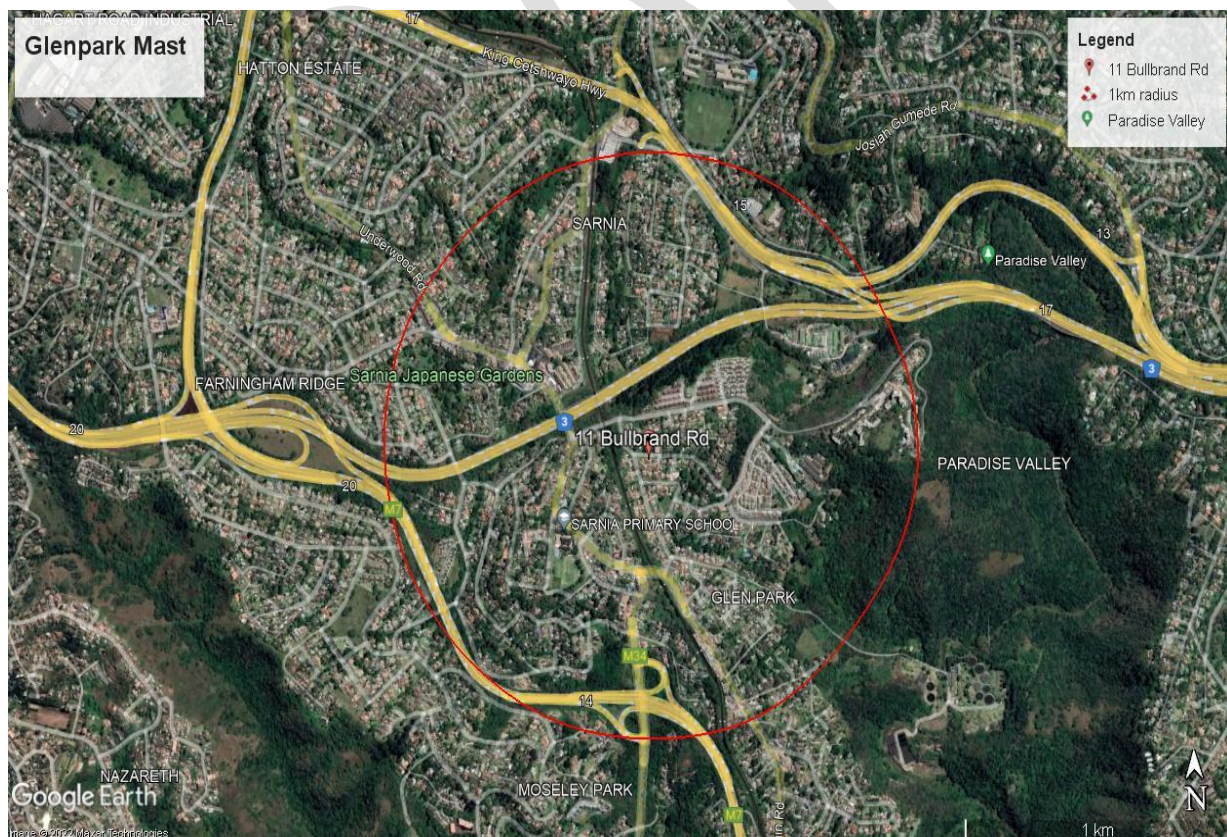


Figure 1: Locality Map and 1km radius from property.

## 2 PURPOSE OF THE EMPr

The purpose of the environmental management programme is to guide the development in ensuring the highest form of environmental ethics and methods to achieve the legal requirements. This includes:

- Ensuring general protection of the receiving environment through compliance with all applicable laws, protocols and guidelines;
- Ensuring that water courses and wetlands are protected;
- Preventing or minimising pollution of the receiving environment;
- Minimising disturbance of protected flora and fauna;
- Preventing soil erosion and soil degradation;
- Facilitating the rehabilitation of disturbed areas; and
- Restricting any nuisance.

Furthermore, the EMPr ensures compliance with local, provincial, national and/or international regulations, standards and guidelines relating to the protection of the environment, clarifies roles and responsibilities of the team members and identifies mitigation measures for any potential negative impacts. The EMPr specifies the requirements to be implemented by the developer/applicant in order to minimise and manage any potential environmental impacts. The provisions of this EMPr will be legally binding to the Authorisation Holder or any authority to whom responsibility has been delegated to, for the proposed development, for the duration of the construction and operational phases. The EMPr is legally binding to the contractors/sub-contractor(s) and must be included in the Contractual Clauses. A copy of the approved EMPr must be kept on site during construction and operation.

The EMPr is presented in two phases namely, the construction phase and the operational phase of the project. Each phase has specific mitigation measures that address potential impacts which may be unique to that phase.

This EMPr is a draft EMPr which must be finalized after the approval of the application. The final EMPr must be drafted and submitted to the Department for approval within 30 days of the approval of the authorisation and must include any conditions of the EA.

The appointed ECO and Construction Contractor must ensure that the site maintains an Environmental File which should comprise of the following documents and must be kept on site in order to record compliance:

- Copy of any Environmental Authorisation, licenses, permits, the approved Final EMPr;
- Complaints Register capturing the time, date, location and nature of complaint as well as the actions taken and by whom.
- Incidents Register capturing the time, date, location and nature of incident as well as the actions taken and by whom.
- Spill Contingency & Emergency Response Plan with emergency contact numbers.
- Proof of Environmental Training



### 3 ENVIRONMENTAL MONITORING

A monitoring program to ensure compliance with the EMPr will be implemented for the duration of the construction. An ECO must be appointed prior to the continuation of any construction and who must conduct site visits twice a month and draft a monthly report to be submitted to the Department. The monitoring program must include monthly site visits and close out audits which will be conducted by the Environmental Control Officer (ECO) to ensure compliance to the final EMPr and provide corrective recommendations to rectify any non-compliance.

The ECO is not responsible for the implementation of the EMPr but is responsible for auditing the developer's and contractor's compliance to the EMPr. Following the rehabilitation of the affected site and the final ECO inspection and report, a site handover to the developer must be scheduled.

### 4 ENVIRONMENTAL PRINCIPLES

The following principles have informed the compilation of this EMPr:

The environment is considered to be composed of both biophysical and social components; NEMA defines 'environment' as meaning the surroundings within which humans exist and that are made up of –

- i. the land, water and atmosphere of the earth;
- ii. micro-organisms, plant and animal life;
- iii. any part or combination of (i) and (ii) and the interrelationships among and between them &
- iv. the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and well-being;

Environmental management must place people and their needs at the forefront of its concern, and serve their physical, psychological, developmental, cultural and social interests equitably;

Development must be socially, environmentally and economically sustainable;

Construction, in general, is a disruptive activity and all due consideration must be given to the environment, particularly the social environment, during the execution of the project to minimize the impact on the affected parties;

Minimization of areas disturbed by construction activities will reduce the severity of the construction related environmental impacts and reduce rehabilitation requirements and costs;

As minimum requirements, relevant standards relating to international, national, provincial and local legislation, where applicable, shall be adhered to. This includes requirements relating to waste emissions (e.g. hazardous, airborne, liquid and solid), waste disposal practices, noise regulations, road traffic ordinance etc);

All reasonable effort is to be made to avoid, minimize, reduce, re-use, recycle and recover waste generated from the proposed development;  
Reasonable measures to avoid pollution and environmental degradation are to be provided for;

The costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling, or minimizing further pollution, environmental damage or adverse health effects must be paid for by the person responsible for harming the environment;

The responsibility for the environmental, health and safety consequences of the proposed development exists throughout its life cycle;

The project proponent (or implementing organisation) should be committed to review and to continually improve environmental management, with the objective of improving overall environmental performance.

A broad level of commitment is required from all levels of management as well as the workforce in order for the development and implementation of the EMPr to be successful and effective.

## 5 DEFINITIONS

For the purpose of this EMPr, the following definitions shall apply:

- **Alien vegetation:** Means all undesirable vegetation, defined as but not limited to, all declared Category 1 and Category 2 plants in terms of the Conservation of Agricultural Resources Act (43 of 1983) (CARA) amended Regulations 15 and 16 as promulgated in March 2001
- **Cleared surface:** "surface vegetation" will be deemed to be any woody or herbaceous vegetation but exclude grasses, sedges, rushes and reeds. Clearing and grubbing shall for the purpose of this specification mean the removal of all woody and herbaceous vegetation including stumps, but excluding grass and groundcover vegetation.
- **Construction activity:** Refers to any action taken by the Contractor, his subcontractors, suppliers or personnel in undertaking the construction work.
- **Environmental Control Officer:** Either an internal staff member of the Engineer / Contractor or an external Environmental Consultant assigned to the project. The Environmental Control Officer will be part of the Project staff and will advise the Engineer on all environmental matters relating to the works, in terms of this EMPr.
- **Environmental Impact:** Any change to the environment, whether desirable or undesirable, that would result directly or indirectly from any construction activity.
- **Hazardous material/substances:** This refers to any substance that contains an element of risk and could have a deleterious effect on the environment.
- **Interested and Affected Parties (I&APs):** All persons who may be affected by the project either directly or indirectly, or who have an interest or stake in the area to be affected by the project, I&APs, including landowners, tribal or local authorities, public interest groups etc.

- **Topsoil:** This is defined as the A horizon of the soil profile. Topsoil is the upper layer of soil from which plants obtain their nutrients for growth. It is often darker in colour, due to the organic (humic) fraction. Topsoil is deemed, for the purposes of this EMPr, as the layer of soil from the surface to the specified depth required for excavation.
- **Vegetation rehabilitation:** This refers to the re-establishment of locally indigenous vegetation with a similar species composition to that which naturally occurs in the area.

## 6 APPLICABLE LEGISLATION

The EMPr presented covers activities authorised by the competent authority (EDTEA) only. Activities not approved must be submitted for environmental authorisation before commencement. Should the impacts identified in the BAR be more significant than assessed, the environmental management programme must be reviewed; and updated if necessary. The EMPr is not independent of the BAR, therefore both must be read in conjunction with each other.

2014 NEMA EIA Regulations (as amended), Appendix 1- 3(i) all listed and specified activities triggered and being applied for and in this development :

GNR	Activity No.	Activity as per the legislation	Activity Applicability
985	3	The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower— (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height— but excluding attachments to existing buildings and masts on rooftops. d. KwaZulu-Nata xiii. Inside urban areas: (dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.	The proposed development will include the construction of a 36m high telecom mast within 1 km of the Paradise Valley Nature Reserve.

The EMPr covers legislative requirements derived from the National Environmental Management Act, and the various Specific Environmental Management Acts. The appointed construction contractor and the applicant must ensure adherence to the necessary legal requirements. Examples of such legislation or regulations, amongst others, include:

- The Constitution (1996)
- Labour Relations Act (1995)
- National Building Regulations and Building Standards Act (1977)
- Health Act (1977)
- National Water Act (1998)
- Occupational Health and Safety Act (1994)
- National Water Act 1998 (Act 36 of 1998)
- eThekweni Municipality By-Laws (current)

## 7 ENVIRONMENTAL MANAGEMENT PROGRAMME

### A: CONSTRUCTION ACTIVITIES:

Where A = Applicant, CC = Construction Contractor, ECO = Environmental Control Officer.

No.	Issue	Management Guidelines	Person Responsible	Frequency/ Timing
A1.1	<i>A1 Fauna and Flora Management</i>	All areas that have been disturbed by construction activities must be revegetated with indigenous vegetation.	CC/ECO	As work is completed.
A1.2		The clearance of any indigenous vegetation must be approved by the ECO prior to such clearance.	ECO	Prior to clearance.
A1.3		All Alien and Invasives Species must be cleared and the site maintained to ensure no regrowth.	CC	Ongoing.
A1.4		The construction site should be inspected regularly during construction to identify and remove emerging IAP species.	CC/ECO	Daily/ Monthly
A1.5		The removal of alien vegetation should be undertaken manually by hand near sensitive areas.	CC	Ongoing
A1.6		The use of heavy machinery should be kept to minimum near sensitive environments.	CC	Ongoing
A1.7		Only vegetation found within a 50 km range will be deemed suitable for revegetation purposes.	CC	Ongoing
A1.8		If any trees are to be removed, approval must be obtained from the ECO	ECO	Ongoing
A1.9		Where possible, plant deciduous trees and shrubs during the winter (between May and September) before new growth appears.	CC	Ongoing
A1.10		Newly planted trees or shrubs must be frequently watered, especially during periods of drought, until established, to promote survival.	CC	Ongoing
A1.11		The following species of grass are recommended: Berea, Buffalo, Cynodon or Kikuyu.	CC	Ongoing
A1.12		The contractor must ensure that no fauna species are disturbed, trapped, hunted or killed during the construction phase.	CC	Ongoing
A1.13		The illegal hunting or capture of wildlife will not be tolerated. Such matters will be handed over to the relevant authorities for prosecution.	CC	Ongoing
A1.14		Disturbance to birds, animals and reptiles and their habitats should be prevented at all times.	CC	Ongoing
A2.1	<i>A2 Waste &amp; Material Management</i>	Burying of rubble on site is prohibited.	CC	Ongoing
A2.2		All waste removal receipts must be kept on site.	CC	Ongoing

A2.3		No dumping of any materials or storage of any equipment should be allowed within the sensitive areas.	ECO	Monthly
A2.4		During all phases of the construction, all waste should be removed to an appropriate waste facility and under no circumstance should waste materials or contaminants be discharged into the environment or buried.	CC	Ongoing
A2.5		Washing and cleaning of equipment should also be done within berms or bunds, in order to trap any cement/sediment and prevent excessive soil erosion.	CC	Ongoing
A2.6		All construction material, equipment and any foreign objects brought into the area by contractors to be removed immediately after completion of the construction / set up phase.	CC	Ongoing
A2.7		All waste/ litter / rubbish generated must be continually cleaned-up and placed in the waste bin.	CC	Ongoing
A2.8		All waste must be separated and recycled, where waste has to be disposed off, it must be done so at an appropriate registered waste disposal facility.	CC	Ongoing
A3.1	<i>A3 Stability Management</i>	Soil that is excavated must be appropriately stored and preferably compacted as soon as possible to prevent erosion	CC	Ongoing
A3.2		Any required excavations must ensure adequate soil protection during and post excavation.	CC	Ongoing
A3.3		Soil stockpiles must be protected from erosion, surrounded by suitable earthen buns and covered by erosion control blanket to prevent the transfer of sediment into sensitive areas.	CC	Ongoing
A3.4		Topsoil, must be removed and stockpiled in an appropriate area and not exceed 3m in height and must have a berm surrounding it.	CC	Ongoing
A3.5		The topsoil must be inspected for erosion daily.	CC	Daily
A3.6		The ECO must ensure that soil stored on site does not wash onto the main road and neighbouring properties.	ECO	Ongoing
A3.7		Exposed areas must be revegetated immediately when work has been completed.	CC	Ongoing
A3.8		Retaining walls to be constructed where necessary	CC	Ongoing
A4.1	<i>A4 Pollution &amp; Stormwater Management</i>	Adequate sanitary facilities and ablutions must be provided for the construction workers. The facilities must be serviced regularly and emptied to reduce the risk of pollution.	CC	Ongoing
A4.2		All surface water flows must be channelled into stormwater drains which must be connected to the existing municipal stormwater system.	CC	Ongoing

A4.3		Cement, concrete and chemicals must be mixed on an impermeable surface and provisions must be made to contain spillages or overflows into the soil	CC	Ongoing
A4.4		Any spillages must be reported to relevant departments/authorities	CC	Ongoing
A4.5		All construction materials including fuels and oil should be stored in demarcated areas that are contained within berms/bunds to avoid the spread of any contamination into sensitive areas.	CC	Ongoing
A4.6		A drip tray must be available under all vehicles when not in use and generators.	CC	Ongoing
A4.7		Storm water runoff must be minimized so that the soil within the area is not subjected to erosion.	CC	Ongoing
A4.8		If a spill has occurred then it must be cleared up promptly. If the spill is small, it can be cleaned with a spill kit however if large, it must be reported to the Department and a spill clean-up company must be used to clean-up the spill;	CC	Ongoing
A5.1	<i>A5 Access control</i>	The site should be secured in order to reduce the opportunity for criminal activity and the prevention of unnecessary injury. Access should be controlled	CC	Ongoing
A5.2		All working areas must be clearly demarcated sign posted and all construction work Must be kept within demarcated areas	CC	Ongoing
A6.1	<i>A6 Visual, Dust &amp; Noise Management</i>	Dust must be suppressed through a watering programme, especially during windy conditions.	CC	Ongoing
A6.2		Access roads must be watered regularly, especially in the dry winter months & high winds.	CC	Ongoing
A6.3		Vegetation must not be unnecessarily stripped.	CC	Ongoing
A6.4		Domestic fires must be prohibited on site.	CC	Ongoing
A6.5		Vehicles must be serviced regularly	CC	Ongoing
A6.6		Speed limits for vehicles must be enforced.	CC	Ongoing
A6.7		Work to be carried out during normal working hours only.	CC	Ongoing
A6.8		The revegetated area must be shaped to ensure that the area blends in with the existing landscape.	CC	Ongoing
A7.1	<i>A7 General</i>	An ECO must be appointed prior to construction to conduct two monthly audits and one monthly report on environmental issues on site. The report must be submitted to the Department monthly.	A	Ongoing
A7.2		A complaints register must be kept on site. Details of complaints must be recorded and incorporated into the monthly audit reports.	CC/ECO	Ongoing

		This complaints register must be maintained by the contractor and available for inspection by the ECO		
A7.3		All discovery of graves and artifacts to be reported to local cultural and heritage authority.	CC	Ongoing
A7.4		Consult SAHRA and local authorities for authority is graves and artifacts are discovered.	CC/ECO	Ongoing

**B: OPERATIONAL ACTIVITIES:**

Where A = Applicant, CC = Construction Contractor & ECO = Environmental Control Officer.

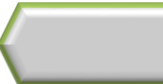
No.	Issue	Management Guidelines	Person Responsible	Frequency /Timing
B1.1	<i>B1 Vegetation Management</i>	The property must be monitored for alien invasive growth once every 3 months for the next 1 year to ensure no growth of alien invasive on the property.	ECO	Every 3 months for 1 year.
B2.1	<i>B2 Stability Management</i>	Retaining and boundary walls must be monitored for damage or collapse once every 3 months for the next 1 year to ensure the banks are stable.	ECO	Every 3 months for 1 year.
B3.1	<i>B3 Stormwater Management</i>	Stormwater channels must be monitored for damage or collapse once every 3 months for the next 1 year to ensure the banks are stable.	ECO	Every 3 months for 1 year.
B4.1	<i>B4 Waste Management</i>	Proper management and disposal of waste must occur during the lifespan of the project, including during the operational phase.	A	Ongoing
B5.1	<i>B5 Visual and Noise Management</i>	All noise generating plant such as air conditioning, refrigeration, fans, etc. are to comply with noise standards.	A	Ongoing
B5.2		All flood lighting to comply with relevant standards.	A	Ongoing.
B6.1	Ecological and Terrestrial	All invasive species should be removed upon inspection of site or forest. Inspection to happen every 3 months	A	Ongoing

## 8 CONCLUSION

This Draft EMPr will be submitted to KZN EDTEA for approval and should be sufficient to address environmental concerns during the construction and operational phases. Once approved, the Final EMPr must be completed and submitted for final approval to the Department. The EMPr is a working document and so should be amended and adjusted where necessary to stay relevant.

DRAFT

**Appendix H: Details of EAP and Expertise**







# NAZEER RIAZ JAMAL


Registered Environmental Assessment Practitioner  
Reg No. 2020/989





## Contact

 Durban, South Africa

 076 151 3334

 nazeer@khweza.net

 [linkedin.com/nazeer.jamal](https://www.linkedin.com/nazeer.jamal)

 Code 8 with PDP

## Languages

English, Afrikaans, Zulu, Arabic.

## Skills

Environmental management, law, & auditing, Project management, Conflict Resolution and Mediation, Youth, Charity and Empowerment Programs, Strategic Planning and Policy, Fundraising & Community Liaison and Development

## Conference & Papers

- Concordia Forum, Canada
- ISNA, Texas, USA
- Climate Leadership, Australia
- WIEF Young Fellows, Philippines
- AORS Forum, Sudan
- MLT, Doha, Qatar.
- Geographers at Work, Cape Town.

## Membership

- EAPASA
- IAIASA
- International Concordia Forum
- Climate Reality Leader.
- WIEF Young Fellow
- Muslim Leaders of Tomorrow
- Mail & Guardian Top 200 Young South Africans

## Certifications

- EIA for Reviewers - CEM North West University
- Integrated Coastal Management Act -EDTEA
- Climate Leadership Training -Climate Reality
- Leadership Training - WIEF
- Art of Public Speaking
- Environmental Management Inspector-UNISA
- GIMS - GIS Beginners Kit

## Experience

### Registered EAP & Lead Environmental Scientist - 5/6/19- Current

Khweza Environmental Consulting, Durban

- Preparing, drafting and compiling EIA, WML and WULA applications
- Providing environmental legal compliance advisory
- Conducting compliance audits and ECO work.
- Advising on Risk Assessment and Sustainability programs

### Assistant Director: Compliance Monitoring & Enforcement - 20/11/17- 31/7/19

KZN Dept. of Econ. Dev., Tourism & Environmental Affairs - eThekweni, Durban

- Rendering reactive and proactive Compliance Monitoring
- Conduct law enforcement operations
- Processing and reviewing S24G applications.
- Managing staff, budgets and operations.

### Environmental Officer: Pollution and Waste Management - 11/8/14 - 19/11/17

KZN Dept. of Econ. Dev., Tourism & Environmental Affairs - eThekweni, Durban

- Manage waste-related information and Waste Management Licenses
- Review and comment on IWMPs.
- Respond to waste-related or pollution complaints and incidents
- Provide ad hoc support to internal and external stakeholders

### Environmental Officer: Compliance Monitoring & Enforcement- 1/7/13-10/8/14

KZN Dept. of Econ. Dev., Tourism & Environmental Affairs - iLembe, Kwadukuza

- Rendering reactive and proactive Compliance Monitoring
- Conducting Compliance Enforcement operations according to NEMA

### Assistant Director: NEMA Section 30 & MEA Unit - 31/10/11 - 30/6/13

National Department of Environmental Affairs, Pretoria

- Administer national emergency incidents and review technical, geological, geohydrological, industrial, biological and chemical reports.
- Implement and undertake compliance monitoring of MEAs including Kyoto Protocol, Basel Convention, Stockholm, CITES, Montreal, Ramsar and Rotterdam.

### Assistant Director: Strategic Administrative Enforcement - 1/01/11 - 31/10/11

Department of Environmental Affairs - Enforcement, Pretoria

- Conducting inspections in relation to the compliance and enforcement projects
- Preparing effective and legally defensible correspondences.
- Building national administrative enforcement capacity.

### Investigator: Strategic Inspections Unit - 1/04/10 - 31/12/2010

National Department of Water Affairs, Pretoria

- Conducting investigations and inspections on industry and on illegal water use and pollution.
- Drafting Section 19 & 20 Directives and preparing case documents for criminal cases.

### Water Quality Officer - Pollution & Waste Unit - 1/6/09 - 31/03/10

eThekweni Municipality - Water & Sanitation, Pinetown

- Enforcing legislation on industries that are non-compliant according to bylaws.
- Analyzing companies ISO certification (ISO 14001).
- Evaluate and recommend approval of Schedule Trade and Building Plan applications

### GIS Operator - Geographic Information Systems Unit - 1/03/09 - 31/05/09

eThekweni Municipality - Water & Sanitation, Durban

- Adding proposed and as-built points, lines and polygons to municipal databases.
- Analyze and work with geodatabases and maps to update and correct information on proposed or as-laid sewer and water mains pipes.

## Other Positions

- E - Lecturer Geography1510 - UNISA
- Founder and Chairman of Penny Appeal South Africa NGO
- Special Advisor to AccidentalMuslims.com NGO
- Founder of The Change Network NGO
- Director of the Al Ansaar Foundation NGO
- Co-founder of P.A.C.T Environmental NGO

## Education

- BSC Honors- Environmental Science - UZKN (2008)
- BSC Geography, Economics & Env. Management - UKZN (2007)

# CASE FILES

## Environmental Screening Assessments

- Environmental Screening of Appointment of Service Provider to Review and Plan the Groutville And Gledhow Masterplan for The Kwadukuza Municipality.
- Environmental Screening of 42 Mills Circle Housing Development, Portion 17 of ERF 1160 of Farm, Pietermaritzburg, KwaZulu Natal, SA
- Environmental Screening of Draycott Proposed Development for Retail Centre, Portion 3 of the farm Draycott B No. 6426, near Empangeni in the KwaZulu-Natal Province.
- Environmental Screening of Proposed Mini Storage Units on the Remainder of Portion 1 of ERF 9 Duiker Fontein located at 301 Rosary Road, Kenville, Avoca
- Environmental Screening of Proposed Chicken Abattoir at 33 Brackenhill Road, Waterfall, KwaZulu-Natal Province.
- Environmental Screening of Proposed Township Establishment. Nobayeni at Remainder of Portion 5 of the Farm Rietfontein, 256-I.Q, Gauteng, South Africa.
- Environmental Screening of Umhlali Resedential and Fuel Station.at Remainder of Portion 48 of ERF 1526 of Farm Lot 72, Umhlali, KwaZulu Natal, Durban, South Africa.
- Environmental Screening of Yanks Motors Proposed Fuel Station at 7 Baltex Avenue, Prospecton, KwaZulu Natal, Durban, South Africa.
- Environmental Screening for Damage to Biodiversity at 31 Finnemore Place, Bluff, Durban, Kwazulu Natal, South Africa
- Environmental Screening for Queensgate Estate Development, Portion 805(of 8) of the Farm Upper, End of Langefontein, No.980 Waterfall, KwaZulu Natal, Durban, South Africa.
- Environmental Screening for Harrison Industrial Park Development. The property located at Rem of Portion 98 (of 42) of the Farm Uitkomst and Doornrug No.852, Cato Ridge, eThekwini Municipality
- Environmental Screening for Harrison Industrial Park Development. The property located at Rem of Portion 98 (of 42) of the Farm Uitkomst and Doornrug No.852, Cato Ridge, eThekwini Municipality.
- Environmental Screening for the Development of the Afripark Shakas Service Park at Portion 48 (of 45) of the Farm Lot 72, No.1526, Umhlali, located within the Kwadukuza Municipality, Ilembe District
- Environmental Screening for the Damage of The Environment, River and Property, From Alleged Illegal Mining on Portion 17 Of Farm Welverdiend No. 2632,
- Environmental Screening for the Proposed Fuel Station in Senekal, Free State
- Environmental Screening for the Proposed Township Development. Lenasia, Gauteng
- Environmental Screening for Private Residential Dwelling on Portion 11 of ERF 670 of Farm Tongaat, 74 South Dune Road, Desainager, eThekwini Municipality, KwaZulu-Natal.

- Environmental Screening for The Onyx Residential Apartments, Umhlanga Ridge Town Centre
- Environmental Screening of the coastal forest and D'MOSS zoning at 4 Meer Place, Isipingo, Durban within eThekweni Municipality
- Environmental Screening for proposed development of a fuel station on the property located Portion 23 of Farm 16459 of Location 3, Mnamfu, KwaZulu Natal, Durban, South Africa
- Environmental Screening to construct a social housing development at the property located 300 Moorton Drive, ERF 67, Chatsworth, KwaZulu Natal, Durban, South Africa
- Environmental Screening construct a housing development at the property located Portion 36 of Farm Matjiesfontein 304, Keurboomstrand, Bitou Municipality, Knysna, Western Cape.

### **Environmental Impact Assessments**

- Environmental Impact Assessment for the Proposed Subdivision of Portion 804 To Develop the Queensgate Estate and Future Commercial Land-Uses, Hillcrest, eThekweni Metropolitan Municipality, Kwazulu-Natal.
- Environmental Impact Assessment (NEMA S24G) for Private Residential Dwelling on Portion 11 of ERF 670 of Farm Tongaat, 74 South Dune Road, Desainager, eThekweni Municipality, KwaZulu-Natal.
- Environmental Impact Assessment for the proposed construction of New Base Station with a telecommunication mast of 35m, situated at ERF 1757/10, Queensburgh, located within the eThekweni Municipality.
- Environmental Impact Assessment for the Proposed Construction Of A New Base Station With A Telecommunication Mast Of 36m, Situated At Erf 147, 11 Bull Brand Road, Glen Park, Pinetown Located Within eThekweni Municipality
- Environmental Impact Assessment for the Proposed Construction Of A New Base Station With A Telecommunication Mast Of 36m, Situated At Erf 85, Portion 933, 2 Dawnview Road, Silverglen, Chatsworth Within eThekweni Municipality

### **Environmental Authorisation Amendment**

- Amendment Application for Environmental Authorisation for the Development of the Afripark Shakas Service Park at Portion 48 (of 45) of the Farm Lot 72, No.1526, Umhlali, located within the Kwadukuza Municipality, Ilembe District

### **Environmental Impact Assessments Audited**

- Environmental Authorisation for Upgrade of the Southern Wastewater Treatment Works: Phase One, eThekweni Municipality, DM/0032/2014.
- Environmental Authorisation Khi Solar One and KaXu Solar One constructed by Abengoa, Upington,

Northern Cape, South Africa

- Environmental Authorisation for Installation of Soakaway at Lower Marine Parade, South Beach, eThekweni Municipality, DM/0024/2017.
- Environmental Authorisation for Pebble Beach and Ocean Dune Mixed Use Development, Tongaat Hullett Development (PTY) LTD, EIA 5809.
- Environmental Authorisation for Expansion of Safal Steel Metal Coating Complex, Safal Steel, DM/0074/2014
- Environmental Authorisation for Umhlanga Ridgeside , Tongaat Hullett Development, EIA 5554.
- Environmental Authorisation for Construction of The Beach Front Promenade, Durban Point Development Company, DM/4451/2015
- Environmental Authorisation for Development of Rohill Business Estate, JT Ross, DM/OO61/2012.
- Environmental Authorisation for Mandela Crossroads Redevelopment Project, DM/0029/2017.
- Environmental Authorisation for Construction of an 18 Unit Residential Apartment Block, Little Creek Trading, DM/S24G/0002/2014.
- Environmental Authorisation for Kloof Extension 15 And 21 In Situ Housing Development, eThekweni Municipality, DM/0018/2016.
- Environmental Authorisation for Construction of The Hillcrest Retirement Country Estate, Horny Farms cc, DM/0069/08
- Environmental Authorisation for Four Arrows Industrial Development, Four Arrows, DM/0043/2013
- Environmental Authorisation for Upgrade of Lake International Plant, Experse, DM/0030/2012
- Environmental Authorisation for Dormac Floating Dry Dock, Dormac, DM/0055/2013.
- Environmental Authorisation for Cornubia Mixed Used Development- Phase 2, Tongaat Hullets, DM/0030/2012.
- Environmental Authorisation for Clairwood Logistics and Development Park, Capital Property Fund, DM/0034/2014
- Environmental Authorisation for Construction of a Gold Course Housing Estate at Cotswold Downs, Cotswold Downs Development: Company Pty (Ltd), EIA 4275
- Environmental Authorisation for Cornubia Retail Park, Tongaat Hullets Development, DM/AMEND/0034/2014
- Environmental Authorisation for Construction of The Adams Mission Pipeline, eThekweni Municipality, DM/0094/2013
- Environmental Authorisation for Construction and Operation of Bisasar Landfill Site, eThekweni Municipality, B33/2/1960/10/P238
- Environmental Authorisation for Construction and Operation of La Mercy Landfill Site, eThekweni Municipality, B33/2/1930/17/P72.

- Environmental Authorisation for Construction and Operation of The Personal Products Factory Effluent Treatment Plant, Unilever, DM/WML/0034/2011
- Environmental Authorisation for Cornubia Mixed Use Phased Development - Phase 2 - DM/0030/2012

#### **Air Emissions License Reviewed**

- Air Emissions License for Operation of Natal Portland Cement, NPC Cimpor, AEL042/S8
- Air Emissions License for Operation of Vopak, Vopak Terminal Durban, AEL057/S3
- Air Emissions License for Operation of Island View Storage, Bidvest Tank Terminals. AEL082/S3

#### **Environmental Management Programme**

- Environmental Management Programme for Yanks Motors Proposed Fuel Station at 7 Baltex Avenue, Prospecton, KwaZulu Natal, Durban, South Africa.
- Environmental Management Programme for SMADA Security Services, Johannesburg, SA.

#### **Environmental Assessment & Rehabilitation Plan**

- Environmental Assessment & Rehabilitation Plan for Damage to Biodiversity at 31 Finnemore Place, Bluff, Durban, Kwazulu Natal, South Africa
- Environmental Assessment Report & Conceptual Rehabilitation Plan Damage of The Environment, River and Property, From Alleged Illegal Mining on Portion 17 Of Farm Welverdient No. 2632, Kwazulu Natal, South Africa
- Environmental Assessment Report & Conceptual Rehabilitation Plan for Activities Undertaken by Tenants on Property Located on Portion 7 Of Farm Balgowrie No. 14189, Hammarsdale, Kwazulu Natal, South Africa

#### **Environmental Aspects & Impacts Register**

- Environmental Aspects & Impacts Register for SMADA Security Services, Johannesburg, SA.

#### **Waste Management License Reviewed**

- Waste Management License for Operation of a Waste Tyre Recycling Facility and Pyrolysis Plant, AKR Rubbertech, DM/WML/0053/2014.
- Waste Management License for Decommissioning of The Goswell Developments Landfill Site, Goswell Developments, DM/WML/0051/2014.
- Waste Management License for Proposed Mathe Group Tyre Recycling Project, Mathe Group DM/WML/0054/2014.
- Waste Management License for Redisa Waste Tyre Pre-Processing Depot, REDISA, DM/WML/0060/2017

### **Environmental Training Matrix**

- Environmental Training Matrix for SMADA Security Services, Johannesburg, SA.

### **S30 Emergency Incidents Attended**

- Hydrocarbon Spill at The Caltex Impala
- Hydrocarbon Spill at The Shell Combined Transport
- Hydrocarbon Spill at Transnet Rail, Isipingo.
- Chemical Spill at Transnet Rail Site
- Hydrocarbon Spill Global Petroleum, Cato Manor
- Ammonia Emission Incident at RCL Foods.
- Leachate Leak at Bisasar Landfill
- Sewage Spill at Oceans Umhlanga Development.
- Fire and Chemical Spill at Stobel Warehousing and Old Mutual Properties
- Hydrocarbon leak at Cotswold Downs Estate

### **S30A Emergency Situation Attended**

- M4 Dune Relocation, Department of Transport
- Doonside Parking Lot Restoration, eThekweni Municipality
- Warner Beach Infrastructure Break, eThekweni Municipality

### **Wetland Assessments Reviewed**

- Floodline Assessment for Draycott Proposed Development for Retail Centre, Portion 3 of the farm Draycott B No. 6426, near Empangeni in the KwaZulu-Natal Province.
- Specialist Wetland Assessment for 92 South Beach Road Development, La Mercy, Tongaat, eThekweni Metropolitan Municipality, KwaZulu-Natal

### **Ecological Assessments Reviewed**

- Specialist Ecological Assessment of the Proposed Subdivision of Portion 804 to Develop the Queensgate Estate and Future Commercial Land-Uses on the Upper End of Langefontein Farm, No.980 Waterfall, Hillcrest KwaZulu-Natal, Durban, South Africa
- Specialist Ecological Assessment and Landscape Plan for 92 South Beach Road Development, La Mercy, Tongaat, eThekweni Metropolitan Municipality, KwaZulu-Natal

### **Alien Invasive Eradication Plan**

- Alien & Invasive Vegetation Management Plan on Portion 805(Of 8) Of the Farm Upper End of Langefontein, No.980 Waterfall, Kwazulu Natal, Durban, South Africa.

### **Environmental Policy & Sustainability**

- Environmental Policy for SMADA Security Services, Johannesburg, SA.

# COMPANY REFERENCES

**Company: Afriprop (Pty) Ltd**

Contact Person: Mr Cassim Osman

Contact Number: 083 555 8642

Email: cassim@afriproperties.co.za

**Company: SMADA Group (Pty) Ltd**

Contact Person: Mr Junaid Elias

Contact Number: 082 404 8737

Email: junaid@smada.co.za

**Company: Chandos Investments (Pty) Ltd**

Contact Person: Mr Michael Dlamini

Contact Number: 083 271 5869

Email: michael@pmsolutions.co.za

**Company: Mr TL Bailes Family Trust**

Contact Person: Ms Carianne Freebury

Contact Number: 084 361 4072

Email: cfpie@me.com

**Company: Planatomy**

Contact Person: Mr Yashmille Ranghunandan

Contact Number: 073 414 1951

Email: yashmille@planatomy.co.za

**Company: Hisaab Family Trust**

Contact Person: Mr Muhammad Rawat

Contact Number: 083 786 4665

Email: myr@rawatuniforms.co.za

**Company: Tongaat Hullets Developments**

Contact Person: Ms Mandisa Poswa

Email: Mandisa.Poswa@tongaats.com

**Company: Lavin Naidoo Family Trust**

Contact Person: Mr Sandy Naidoo

Contact Number: 079 692 6044

:

# PERSONAL REFERENCES

**Company: Dept. of Environmental Affairs**

Contact Person: Mr Sabelo Malaza

Contact Number: 082 944 7804

Email: smalaza@environment.gov.za

**Company: KZN Department of Env Affairs**

Contact Person: Ms Shireen Mahabeer

Contact Number: 082 322 1871

Email: shireen.mahabeer@kznedtea.gov.za

**Company: Penny Appeal South Africa**

Contact Person: Mr Shahnaaz Paruk

Contact Number: 082 733 9000

Email: shahnaaz.paruk@pennyappeal.org.za






**Company: Magellan Investments**

Contact Person: Mr Ebrahim Patel

Contact Number: 082 860 9999

Email: ebrahim@magellan.co.za

# RIYAADH MOTALA

19 Deering Lane, Sherwood   
083 953 4677   
Riyaadh.motala99@gmail.com   
NONE   
NONE 



## OBJECTIVE

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It has always been my dream to have a career that involves nature. I was fortunate to begin to carve my future by obtaining a degree in environmental studies, one that I thoroughly enjoyed. One of my main objectives in the workplace is to become an expert in the field of conservation and to gain knowledge that I can apply in any field within the environmental and conservation field. I also have my driver's license (code B) so I am able to drive to my workplace if need be.



## EDUCATION

**Degree in the Bachelor of Social Science : Geography and Environmental Management | University of KwaZulu-Natal: HOWARD COLLEGE - 2020**



## EXPERIENCE

### Assistant |

10 DECEMBER 2018 – 1 JANUARY 2019

I assisted with the packaging, assorting as well as the transporting of files and administrative documents belonging to an accountant.

### Assistant employee | 2019-2020

I had worked at Classic Eyes optometrists in La Lucia mall for over a year as a part time (student) employee. I worked with patients by assisting them in selecting the product they wanted to purchase as well as dealing with appointments and bookings.

Rubina Evans ( Head optometrist for Classic Eyes La Lucia)

(082) 337-5124

### Voluntary work at KZN Wildlife | 2021-2022

Currently assisting with the removal of alien plant species within the different nature reserves in and around KZN.

Imtiaz Essop (Alien plant project manager for KZN WILDLIFE)

(082) 613-9146



## Junior Environmental Consultant for Khweza Environmental Consulting | May 2022-

Currently working as a Junior Environmental Consultant at Khweza Environmental Consulting which includes work such as ECO monitoring, Environmental Management Reports (EMPr), Water Use License Applications (WULA), environmental auditing and other administrative work as well.



### SKILLS

- I am hard-working, determined and dedicated.
- I am ambitious and always keen to take on new challenges.
- I am very friendly and patient.
- I have excellent communication skills.
- I am a fast learner who is always willing to gain knowledge.
- I am extremely punctual



### ACTIVITIES

- I spend majority of my free time in the outdoors due to my love for nature.
- One of my favorite outdoor activities is fishing, something I do quite often.
- I also enjoy keeping fit by playing soccer and going to gym.
- I enjoy reading books relating to nature, fishing and the environment



## Aalia Motala

ID Number: 9711100210080

ENVIRONMENTAL  
SCIENTIST, GIS  
PRODUCT AND  
APPLICATION  
SPECIALIST

### Details

16 Soofie Saheb Drive,  
Unit 314, Durban, 4001  
078 273 4046  
[aaliamotala01@gmail.com](mailto:aaliamotala01@gmail.com)

DATE OF BIRTH  
D.O.B.: 10 November 1997  
South African

Driver's License: Code B

### Skills

Computer Skills

Analytical Thinking Skills

Microsoft Office

Communication

Fast Learner

Effective Time Management

### Languages

English

## Profile

Enthusiastic college graduate with an Honours Degree in BSc. Environmental Science from the University of Kwa-Zulu Natal. I have developed an advanced understanding in Remote Sensing and applied GIS using ERDAS and ArcGIS software, respectively. Eager to be a part of a dynamic team advancing the scope of GIS or Environmental consulting.

## Education

**BSc. Environmental Science Honours, UKZN Westville Campus, Durban**

FEBRUARY 2020 — FEBRUARY 2021

Bachelor of Science Honours with merit certificate

**BSc. Environmental Science, UKZN Westville Campus, Durban**

FEBRUARY 2016 — FEBRUARY 2019

Bachelor of Science Degree (Majoring in Environmental and Life Sciences)

**National Senior Certificate, Northland Girl's Highschool, Durban**

JANUARY 2015 — DECEMBER 2015

## Employment History

**Admin Clerk at SAMBEN (South African Medical Board Notes), Durban**

FEBRUARY 2017 — JANUARY 2020

General administrative and clerical work in and around the office.

**Assistant Coordinator at Elesse (Pty) Ltd, Durban**

JULY 2018 — DECEMBER 2019

Tasked with assisting main Coordinator. Job description involved operations and planning of all elements of the workplace.

**Tutor for ENVS120 at the University of KwaZulu-Natal, Durban**

JULY 2020 — DECEMBER 2020

Tasked with assisting student in their tutorials every week.

**Volunteer at Africa Muslims Agency, Durban**

MAY 24 2021 — NOW

Tasked with assisting at the office with administration as well as organizing and coordination hamper and food distributions for the less fortunate.

**Junior Environmental Consultant**

JULY 13 2022-NOW

Tasked with compiling, writing and editing EIA(BAR) and EMPr reports, water use license applications, ECO monitoring, environmental auditing as well as other consulted related admin.

## Courses

ERDAS

## Hobbies

Hiking  
Reading  
Travelling  
Attending Gym  
Swimming at the beach

JANUARY 2020 — JANUARY 2021

### **Advanced GIS**

JANUARY 2020 — JANUARY 2021

### **Why you should hire me**

I believe I can be an asset as I possess the abilities, skills, and capacity to be successful in any industry. These qualities coupled with my degree, allow me the opportunity to operate in the very niche and highly specialized sectors of the workplace. I can adapt my computer analytical strengths to use as a mechanism for success in any IT-orientated work or industry. My curiosity and determination do not allow me to settle on binary solutions for complex matters. If one method does not work out, then I find a way around it. Failure does not stump me but instead, motivates me to achieve my goals. I believe that I am a highly resourceful individual who considers and explores multiple avenues to get the job done. Lastly, I communicate and work well with others and have a knack for understanding people's needs. All these qualities means that I have more to offer not only as an individual but as a pivotal member in team projects.

### **References**

**Adila Omar from SAMBEN (South African Medical Board Notes)**

[sambenblog@gmail.com](mailto:sambenblog@gmail.com)

072 181 2033

**Hassan Cassim from Ellesse (Pty) Ltd**

[hassan@sebal.co.za](mailto:hassan@sebal.co.za)

031 465 6429

**Dr. Sherban Proches from UKZN**

[setapion@gmail.com](mailto:setapion@gmail.com)

**Maymona Mian from Africa Muslims Agency**

[maymona@albaraka.co.za](mailto:maymona@albaraka.co.za)

071 864 5490

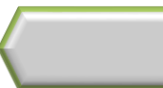
**Nazeer Jamal from Khweza Environmental Consulting**

[nazeer@khweza.net](mailto:nazeer@khweza.net)

076 151 3334

DRAFT

**Appendix I: EAP Declaration of Interest**



# DECLARATION OF INTEREST BY ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)



## KWAZULU-NATAL PROVINCE

ECONOMIC DEVELOPMENT, TOURISM  
AND ENVIRONMENTAL AFFAIRS  
REPUBLIC OF SOUTH AFRICA

	(For official use only)
Provincial Reference Number:	
NEAS Reference Number:	KZN / EIA /
Waste Management Licence Number (if applicable):	
Date Received by Department:	

## DETAILS OF EAP AND DECLARATION OF INTEREST

Submitted in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014.

### **KINDLY NOTE:**

1. This form is current as of **May 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner ("EAP") to ascertain whether subsequent versions of the form have been released by the Department.

### **PROJECT TITLE**

EIA Application for the Proposed Construction of a New Base Station with a Telecommunication Mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glenpark, Pinetown, located within the eThekweni Municipality.

### **DISTRICT MUNICIPALITY**

eThekweni Municipality

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Details of the EAP and Declaration of Interest	May 2021 V1
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# DECLARATION OF INTEREST BY ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

## IMPORTANT INFORMATION

### **PLEASE NOTE:**

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of **May 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (“EAP”) to ascertain whether subsequent versions of the form have been released by the Department.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the Department for consideration.
4. This form must be hand delivered or posted to the relevant District office. The Head Office Registry may be contacted on **033 - 264 2898 / 2572** for details of the relevant district.
5. All documentation delivered to Head Office must be delivered during the official Departmental Office Hours visible on the Departmental premises.
6. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box or Job Application Box will NOT be accepted, only hardcopy submissions are accepted.

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Details of the EAP and Declaration of Interest	May 2021 V1
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# DECLARATION OF INTEREST BY ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

## 1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Environmental Assessment Practitioner (EAP):	Nazeer Jamal		
Contact person:	Nazeer Jamal		
Postal address:	155 Moses Kotane Road, Overport, Durban		
Postal code:	4091	Cell:	0761513334
Telephone:	0761513334	Fax:	
E-mail:	nazeer@khweza.net		
Professional affiliation(s) (if any)	EAPASA – 2020/989		

## 2. DECLARATION BY EAP

I, **Nazeer Jamal**, declare that –

General declaration:

- I will comply with the requirements for EAPs as stipulated in Regulation 13(1) of the EIA Regulations, 2014;
- I act as the independent environmental practitioner in this application;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I 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;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority 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 competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Details of the EAP and Declaration of Interest	May 2021 V1
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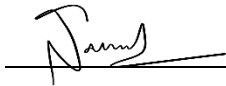
## DECLARATION OF INTEREST BY ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware that a person is guilty of an offence in terms of Regulation 48 (1) of the EIA Regulations, 2014, if that person provides incorrect or misleading information. A person who is convicted of an offence in terms of sub-regulation 48(1) (a)-(e) is liable to the penalties as contemplated in section 49B(1) of the National Environmental Management Act, 1998 (Act 107 of 1998)

### Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;

### Signature of the environmental assessment practitioner:



### Name of company:

Khweza Environmental Consulting

### Date:

1 August 2022

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Details of the EAP and Declaration of Interest	May 2021 V1
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**Appendix J: Additional Information**  
**Appendix J1 – Pre-application Minutes of Meeting**



<b>Meeting Type</b>	Pre-Application Meeting	<b>Contact</b>	Nazeer Jamal 0761513334 nazeer@khweza.net
<b>Client</b>	Ilanga Tech	<b>Project</b>	Proposed construction of New Base Station with a telecommunication mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality
<b>Date</b>	20 April 2021	<b>Time:</b>	10h00 – 10h30
<b>Venue</b>	Virtual Zoom	<b>Reference</b>	Glen Park Mast



AGENDA		
No.	Item	Person
1	Welcome and Introduction	Nazeer
2	Attendees	Nazeer
3	Confirmation of Agenda	Nazeer
4	Overview of Project	Nazeer
5	EIA Matters	Nazeer
6	Authority Requirements	EDTEA
7	General	Nazeer
8	Closure	Nazeer

Attendee	Organisation-Designation	Email	Mobile
Mr Nazeer Jamal (NJ)	Khweza Environmental Consulting – EAP	<a href="mailto:nazeer@khweza.net">nazeer@khweza.net</a>	0761513334
Mr Matimba Shipalana (MS)	Ilanga Technologies Pty Ltd	<a href="mailto:kznsaq@ilangatech.com">kznsaq@ilangatech.com</a>	0622646802
Mr Selby Nkosi (SN)	Ilanga Technologies Pty Ltd	<a href="mailto:selby@ilangatech.com">selby@ilangatech.com</a>	n/a
Ms Natasha Brijlal (NB)	AD: EIA - EDTEA	<a href="mailto:Natasha.Brijlal@kznedtea.gov.za">Natasha.Brijlal@kznedtea.gov.za</a>	0798980491
Mr Ntuthuko Mbewana (NM)	EO - EIA - EDTEA	<a href="mailto:Ntuthuko.Mbewana@kznedtea.gov.za">Ntuthuko.Mbewana@kznedtea.gov.za</a>	n/a

Point	Item	Action
<b>1</b>	<b>Welcome and Introduction</b>	
1.1	NJ welcomed everyone to the meeting.	
<b>2</b>	<b>Attendees</b>	
2.1	NJ checked if all members were present. Mr Selby was present but only through audio.	
2.2	NB introduces herself as well as NM.	
<b>3</b>	<b>Confirmation of Agenda</b>	
3.1	All attendees agreed with the agenda.	
<b>4</b>	<b>Overview of Project</b>	
4.1	NJ stated that Ilanga Tech conducted a query on 25 January 2022 and that the response mentioned that a listed activity would be potentially triggered by the development.	

<b>Meeting Type</b>	Pre-Application Meeting	<b>Contact</b>	Nazeer Jamal 0761513334 nazeer@khweza.net
<b>Client</b>	Ilanga Tech	<b>Project</b>	Proposed construction of New Base Station with a telecommunication mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality
<b>Date</b>	20 April 2021	<b>Time:</b>	10h00 – 10h30
<b>Venue</b>	Virtual Zoom	<b>Reference</b>	Glen Park Mast



4.2	NJ mentions that a telecom mast is being developed as well as the location of the development by showing the team the coordinates of the site.	
4.3	NJ further explains the site is situated in close proximity to the Paradise Valley Nature Reserve.	
4.4	NJ showed the attendees that there is a telecom building next to the development via a blueprint map which also indicated the area in which the mast will be developed on the plot of land.	
<b>5</b>	<b>EIA Matters</b>	
5.1	NJ confirmed that the site is within 0.6 km of the nature reserve.	
5.2	NJ discussed the screening report with the attendees.	
5.3	NJ mentioned that Aquatic Biodiversity picked up a high rating on the report due to the river that flows along the Paradise Valley area.	
5.4	NJ stated that the Terrestrial Biodiversity Potential on the screening report had also shown a high rating, due to it being Critically Endangered Ecosystem (CEE).	
5.5	NJ shared the pictures, that he took from his site visit, with the attendees which showed the lack of biodiversity on the property as well as the abundance of alien plants and bush weed.	
5.6	NJ mentioned that there is an indigenous tree situated in the middle of the property however not a protect species. NJ explained that the development will take place on the corner of the property so the tree will not be affected.	
5.7	NB confirmed that based on the current application, the activity listed is activity of LN3	NJ to include Activity 3 of LNR3 in EIA Application
5.8	NJ confirmed that this listed activity will be triggered.	
5.9	NB mentioned that the screening asked for specialist studies, however the Department does not require any, so she asked NJ to include in the report reasons for why specialist studies are not required.	NJ to include motivation as to why specialist studies were not required.
5.10	NB asked if a specialist would be required to determine if the ground would support a mast of that size.	
5.11	NJ enquired from NB if an engineer's report would be sufficient	
5.12	MS mentioned that, if necessary, an engineer's report would be brought in, however, the Civil Aviation approved of the 35m height mast.	

<b>Meeting Type</b>	Pre-Application Meeting	<b>Contact</b>	Nazeer Jamal 0761513334 nazeer@khweza.net
<b>Client</b>	Ilanga Tech	<b>Project</b>	Proposed construction of New Base Station with a telecommunication mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality
<b>Date</b>	20 April 2021	<b>Time:</b>	10h00 – 10h30
<b>Venue</b>	Virtual Zoom	<b>Reference</b>	Glen Park Mast



5.13	NJ asked about the engineer's report in particular	
5.14	MS stated that a building report will be sent that will be signed off by an engineer.	NJ to include the engineers report in the EIA Application.
5.15	NJ asked NB if that report would suffice.	
5.16	NB mentioned that if the report had the relevant information, it would be fine.	
<b>6</b>	<b>Authority Requirements</b>	
6.1	As per action items.	.
<b>7</b>	<b>General</b>	
7.1	No further concerns were raised.	
<b>8</b>	<b>Closure</b>	
8.1	All attendees of the meeting thanked each other for participating and said their goodbyes	

**Minutes compiled by:**

R Motala

**17/05/2022**

Name: Mr. Riyaadh Motala                      Date

Designation: Junior Environmental Consultant

Company: Khweza Environmental Consulting

**Signed off by:**

Nazeer Jamal

**17/05/2022**

Name: Nazeer Jamal                              Date

Designation: EAP

Company: Khweza Environmental Consulting

**Authority approval:**

\_\_\_\_\_

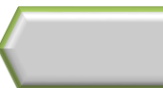
\_\_\_\_\_

Name:

Date

DRAFT

**Appendix J2 – SG Diagram**



OFFICE COPY

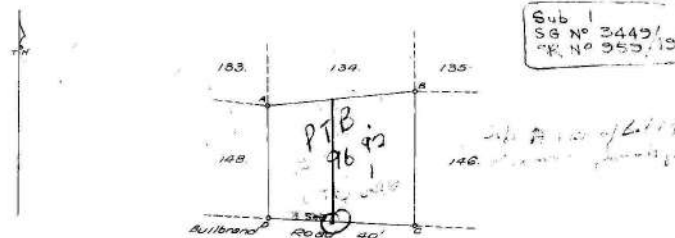
SUB-DIVISIONAL DIAGRAM  
Sect. 24 (b), Act No. 9 of 1927

SIDES ENG. FEET.	ANGLES OF DIRECTION.	At 10,000,000 TO ALL X's CO-ORDINATES	
		Y	X
AB 228.52 ✓	A 93° 53' 50" ✓		
BC 207.33 ✓	B 84° 4' 40" ✓		
CD 228.56 ✓	C 87° 21' 10" ✓		
DA 173.67 ✓	D 92° 38' 40" ✓		

S.G. No 3369/1940

Approved  
*[Signature]*  
Surveyor General.  
28 JAN 1976

GENERAL PLAN No 64x13



Sub 1  
S.G. No 3445/  
R. No 953, 1971

BEACONS C & D  
REPLACED/RELOCATED  
VIDE S.R. NO.  
1463/1975

Beacons  
A, B, C, D. 3/4" pipes in stone.



The figure A, B, C, D represents 1 acre of land being Extension M1 Lot 147 Pinetown Township (Extension M1) situated in the County of Durban, Province of Natal. Surveyed in August 1940 by me *[Signature]* Land Surveyor.

This diagram relates to No. 3003/1943 28.5.1943 <i>(sgd) B. Davidson</i> Registrar of Deeds.	Original diagram is S.G. No. 3354/1940. relating to <i>cert.</i> of Censal Title No. 3373/1942	File No. 1944-252/ Survey Records 797-11 Tracing Degree Sheet 59 Compilation N.3. General Plan 64x13.
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FT. 86.18. R.3

GYRO APPROVAL  
Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Signature: \_\_\_\_\_  
SITE NAI: E & NUI: BER  
ER\_Glen\_Park ER4804

RESPONSIBILITIES		
	Name	Contact Number
TX (NIP)	-	-
Property	-	-
Build	-	-
Site ENG	-	-
Survey	Selby	076 016 6815
Consultant	-	-

REV	DATE	REMARK
A	15/09/2021	1st ISSUE

NOTES:  
\*New Site Build  
\*New 35m Tree Mast

TITLE: New Site Build

SITE CO-ORDINATES: Lats: 29.837992° S Longs: 30.878828° E	HASL(m) 298m
PROPERTY DESCRIPTIONS: Erf 147 in Pinetown	
ADDRESS: 11 Bullbrand Road Glen Park, Pinetown	



TITLE: SG Diagram	SCALE: -
NAI: E	SIGNATURE: DATE:
SURVEYOR: Selby	14/09/2021
DRAWN: B. Bisschoff	15/09/2021
APPROVE:	
DWG No: 66_ILA_ER4804_REV A	5 OF 7

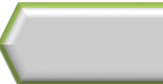
DRAFT

Appendix J3 – Landowner Consent



DRAFT

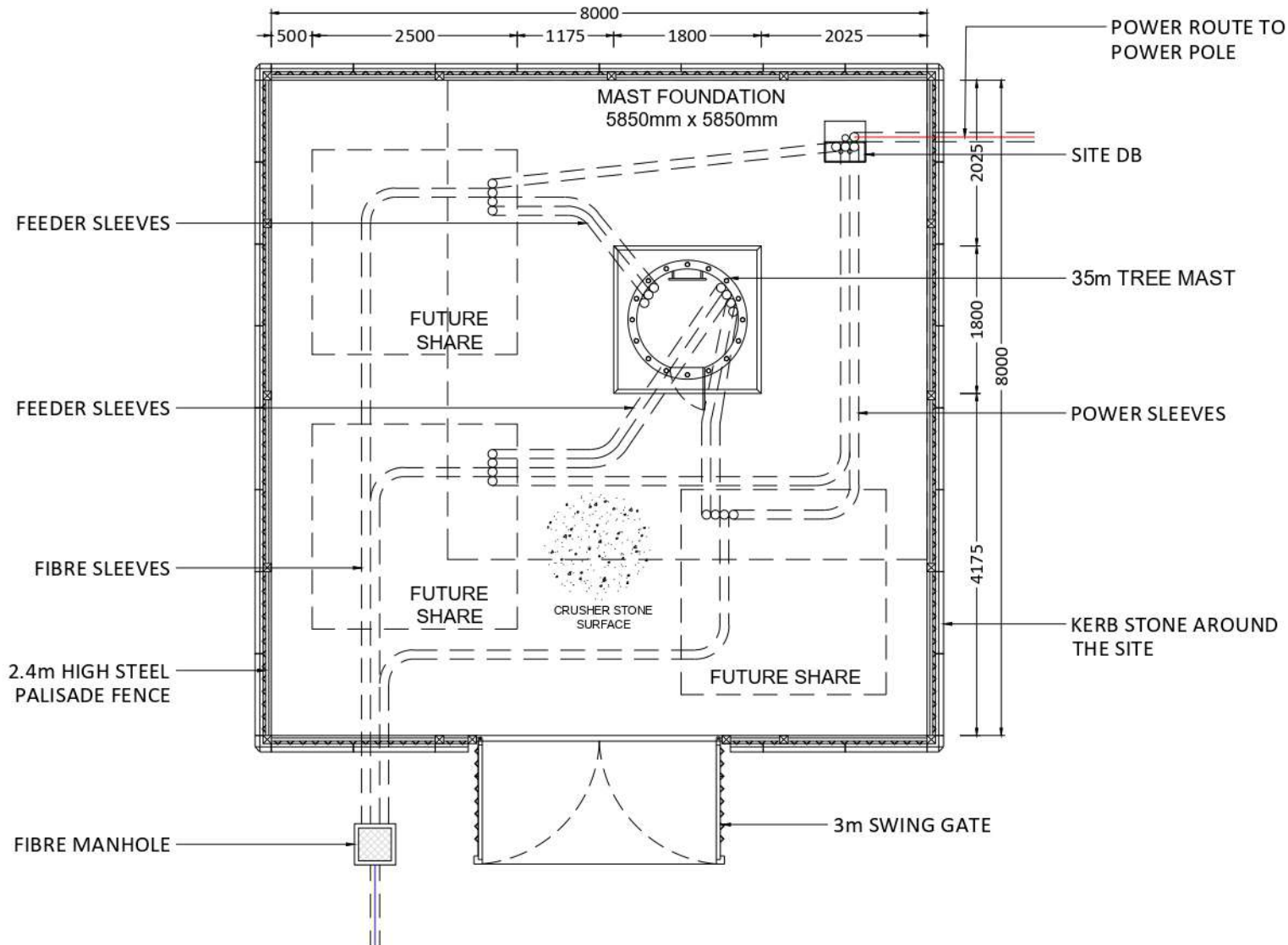
**Appendix J4 – Design Plans**







BASIC LEDGEND:							
EXISTING GANTRY	PROPOSED GANTRY	EXISTING BUILDING	POWER ROUTING	TRANSMISSION RUN	EARTH ROUTING	GPS RUN	FIBRE RUN



	GYRO APPROVAL	
	Name:	_____
	Date:	_____
		Signature: _____
SITE NAME & NUMBER		
ER_Glen_Park	ER4804	

RESPONSIBILITIES		
	Name	Contact Number
TX (NIP)	-	-
Property	-	-
Build	-	-
Site ENG	-	-
Survey	Selby	076 016 6815
Consultant	-	-

REV	DATE	REMARK
A	15/09/2021	1st ISSUE

**NOTES:**  
 \*New Site Build  
 \*New 35m Tree Mast

TITLE:  
New Site Build

SITE CO-ORDINATES:  
 Lat: 29.837992° S  
 Long: 30.878828° E

HASL(m)  
298m

PROPERTY DESCRIPTIONS:  
Erf 147 in Pinetown

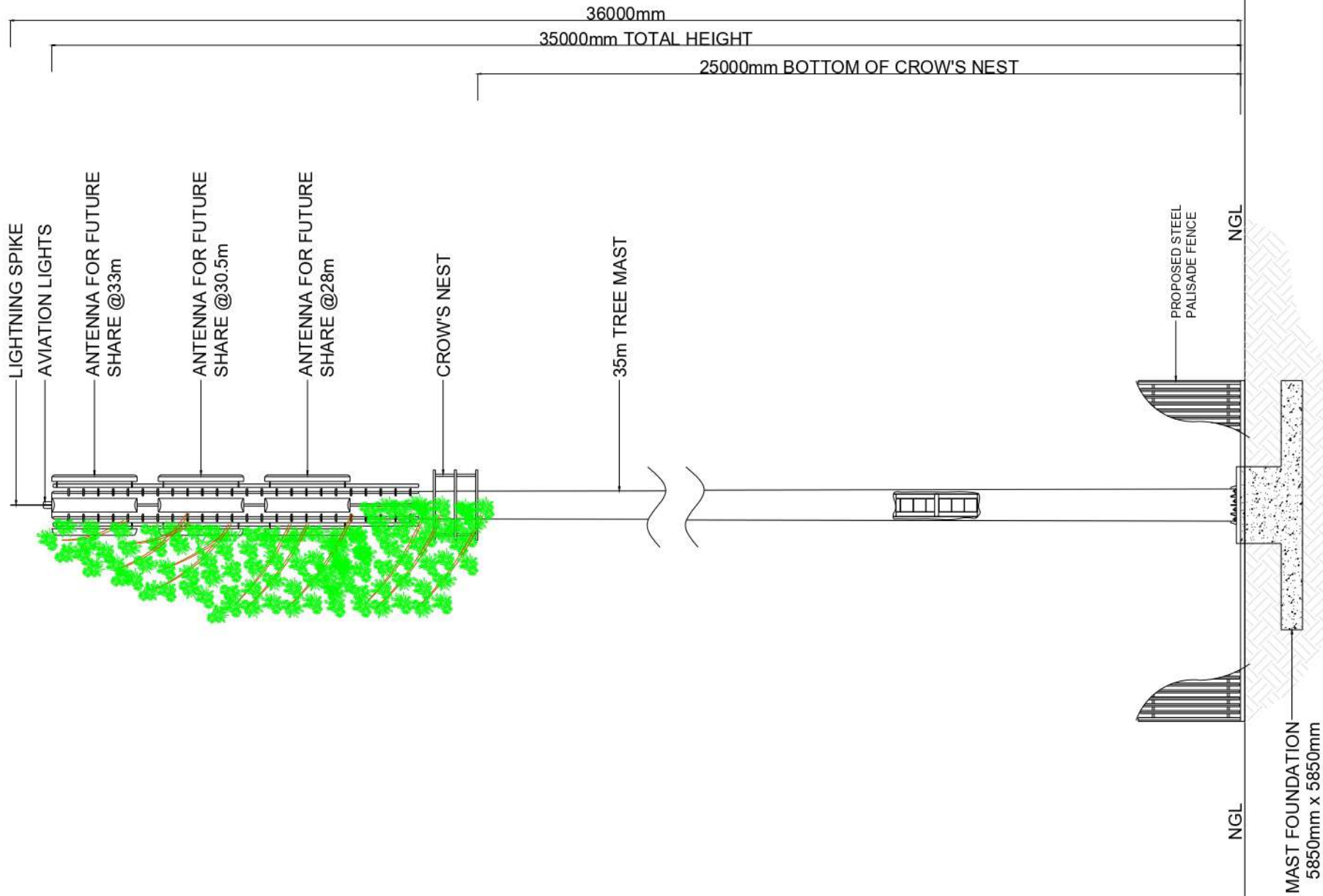
ADDRESS:  
11 Bullbrand Road  
Glen Park, Pinetown

Company Reg nr: 200520811309

164 3RD AVE  
BREDELL  
KEMPTON PARK  
1619  
Tel: +27 (0) 111 1017

TITLE: Site Layout SCALE: 1:75

	NAME	SIGNATURE	DATE
SURVEYOR:	Selby		14/09/2021
DRAWN:	B. Bisschoff		15/09/2021
APPROVE:			
DWG No:	BB_ILA_ER4804_REV A		6 OFF 7



**GYRO APPROVAL**

**Gyro**  
Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Signature: \_\_\_\_\_

SITE NAME & NUMBER  
ER\_Glen\_Park ER4804

RESPONSIBILITIES		
	Name	Contact Number
TX (NIP)	-	-
Property	-	-
Build	-	-
Site ENG	-	-
Survey	Selby	076 016 6815
Consultant	-	-

REV	DATE	REMARK
A	15/09/2021	1st ISSUE

**NOTES:**

- \*New Site Build
- \*New 35m Tree Mast

**TITLE:**  
New Site Build

**SITE CO-ORDINATES:**  
Lats: 29.837992° S  
Longs: 30.878828° E

**PROPERTY DESCRIPTIONS:**  
Erf 147 in Pinetown

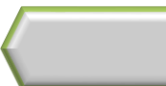
**ADDRESS:**  
11 Bullbrand Road  
Glen Park, Pinetown

Company Reg nr 200520811307

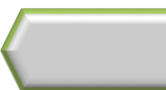
**LANGA**  
164 3RD AVE  
BREDELL  
KEMPTON PARK  
1619  
Tel: +27 (06) 111 1017

TITLE:		SCALE:	
Elevation View		1:100	
	NAME	SIGNATURE	DATE
SURVEYOR:	Selby		14/09/2021
DRAWN:	B. Bisschoff		15/09/2021
APPROVE:			
DWG No:	BB_ILA_ER4804_REV A		7 OFF 7

**Appendix J5 – Proof of Payment of Application Fee**



**Appendix J6 – Draft EIA Application**



APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION



**KWAZULU-NATAL PROVINCE**  
ECONOMIC DEVELOPMENT, TOURISM  
AND ENVIRONMENTAL AFFAIRS  
REPUBLIC OF SOUTH AFRICA

	(For official use only)
Provincial Reference Number:	
NEAS Reference Number:	KZN / EIA /
Date Received by Department:	
Date Received by District:	
Application fee paid on:	

## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

Submitted in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) and regulation 6 (1) and 16 (1) of the Environmental Impact Assessment (EIA) Regulations, 2014.

### PROJECT TITLE

EIA Application for the Proposed Construction of a New Base Station with a Telecommunication Mast of 36m, situated at ERF 147, 11 Bull Brand Road, Glenpark, Pinetown, located within the eThekweni Municipality.

### DISTRICT MUNICIPALITY

Ethekwini Municipality

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu- Natal	Application for Environmental Authorization	May 2021 V1
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# APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

## IMPORTANT INFORMATION

### PLEASE NOTE:

1. It is the responsibility of the applicant to confirm that the Department is the competent authority to which this application must be submitted (refer to NEMA section 24C).
2. This form is current as of **May 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner ("EAP") to ascertain whether subsequent versions of the form have been released by the Department.
3. The application must be typed within the spaces provided in the form. The size of the space provided is not necessarily indicative of the amount of information required. A legible font type and size must be used when completing this form. The font size should not be smaller than 10pt.
4. Where required, place a tick (✓) in the box you select.
5. Incomplete applications or applications that do not meet the requirements in terms of Regulation 16 of the 2014 NEMA EIA Regulations will not be accepted.
6. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
7. An application for Environmental Authorisation/Amendment lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

### PRE-APPLICATION MEETING

8. This Department requires that a pre-application meeting be held at the discretion of the relevant district office. Kindly liaise with the relevant district office to determine if a pre-application meeting is required for this application, **before** it is submitted. The Head Office Registry may be contacted on **033 - 264 2898 / 2572** for details of the relevant district office for this application.

- Provide details of the Pre-Application Meeting below (if applicable):

Date of Pre-Application Meeting	Time and Venue of Pre-Application Meeting
20 April 2022	Virtual at 10h00

- If a Pre-application meeting was held, the minutes of the Pre-Application Meeting **MUST BE ATTACHED** as **Appendix 1**, to this application (refer to the List of Appendices).

### SCREENING TOOL

9. A report generated by the national web-based environmental screening tool as required in terms of regulation 16(1)(b)(v) of the environmental impact assessment regulations, 2014 is required to be appended as an **Appendix**, in order for an application to be considered.

### SUBMISSION OF COMBINED APPLICATIONS FOR ENVIRONMENTAL AUTHORIZATION

1. If applicable, written confirmation that the Department has granted permission for the combination of applications for an environmental authorization in terms of the provisions of sub-regulation 11(1) of the EIA Regulations, 2014, must be attached to this application form.

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Application for Environmental Authorization	May 2021 V1
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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

### FEES APPLICABLE FOR APPLICATIONS FOR ENVIRONMENTAL AUTHORIZATIONS

2. The following fees for the consideration and processing of applications for an environmental authorization will be applicable from **01 April 2014** (refer to the Annexure in Government Notice No.141 dated 28 February 2014):

<b>Application</b>	<b>Fee</b>
Application for an environmental authorization subject to a <b>Basic Assessment</b> in terms of the EIA Regulations	R2 000.00
Application for an environmental authorization subject to a <b>Scoping and Environmental Impact Report</b> in terms of the EIA Regulations	R10 000.00

3. Where an applicant is required to pay fees for an application for environmental authorization as contemplated in this form, this must be made by means of a bank deposit or electronic fund transfer into the bank account of this Department (refer to section 8).
4. **Payment reference number for applications for environmental authorizations and banking details** for the Department:

Reference number ( <b>only reference number to be used for environmental authorization applications</b> ):	<b>04003903</b>
Account name:	<b>KwaZulu-Natal Provincial Government -Economics</b>
Bank name:	<b>ABSA</b>
Branch code:	<b>630495</b>
Account number:	<b>4072482787</b>

5. Proof of payment of fees (if applicable) for an environmental authorization application must be attached as an **Appendix** to this application form and submitted with it. Proof of payment is either a stamped deposit slip or an electronic fund transfer payment advice.

### INSTANCES WHERE FEES FOR APPLICATIONS FOR ENVIRONMENTAL AUTHORIZATIONS ARE NOT APPLICABLE

6. Where an application is for a community based project funded by a government grant or the application is made by an organ of state, the fees for considering and processing applications for an environmental authorization do not apply (refer to regulation 2 in Government Notice No.141 dated 28 February 2014).
7. Where an applicant is not required to pay a fee as contemplated in this form, a **written motivation** (with proof of funding if a government grant is applicable) must be attached as an **Appendix** to this application form and submitted with it.
8. If you have any queries regarding the EIA process or fees applicable for applications for environmental authorizations please contact the Head Office of this Department. (see below).

### COMMENTS BY THE DEPARTMENT

9. According to sub-regulation 40(1) of the EIA Regulations the Department, as the competent authority, **MUST during the public participation process be given a period of at least 30 days to comment** on the basic assessment report, EMPPr, scoping report or environmental impact assessment report as applicable.

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	Application for Environmental Authorization	May 2021 V1
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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

### HEAD OFFICE REGISTRY DETAILS

10. The original applications with original signatures must be hand delivered or posted to the Head Office Registry of this Department at the address provided below:

**Postal address:**

**Head Office**  
**KwaZulu-Natal Department of Economic Development, Tourism & Environmental Affairs**  
**Private Bag X9152**  
**PIETERMARITZBURG**  
**3200**

**Physical address:**  
**270 Jabu Ndlovu Street**  
**PIETERMARITZBURG**  
**3201**

**Contact Person:** Ms Zama Mbanjwa / Ms. Fikelephi Mthembu

**Telephone No:** 033 - 264 2898 / 2616  
**Cellular No.:** 081 - 271 9541 / 082 – 796 3470

**Email:** [Zama.Mbanjwa@kznedtea.gov.za](mailto:Zama.Mbanjwa@kznedtea.gov.za) / [Fikelephi.Mthembu@kznedtea.gov.za](mailto:Fikelephi.Mthembu@kznedtea.gov.za)

11. All documentation delivered to Head Office must be delivered during the official Departmental Office Hours visible on the Departmental premises.
12. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box or Job Application Box will NOT be accepted, only hardcopy submissions are accepted.
13. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the declaration of interest of the specialist must also be submitted.
14. Unless protected by law, all information filled in on this application will become public information on receipt by this Department. Any interested and affected party must be provided with the information contained in this application on request, during any stage of the application process.
15. Please note an exemption application (if applicable) must be finalized before lodging an application for environmental authorization with the Department.
16. If an Environmental Assessment Practitioner (EAP) has not been appointed at the time of the submission of this application form, the declaration from the EAP must be included in the Basic Assessment Report.

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## LIST OF APPENDICES

		SUBMITTED (tick (✓) the relevant option)	
Appendix 1	Minutes of the Pre-Application Meeting held with the Department.	YES ✓	N/A
Appendix 2	Written consent from the land owner or the person in control of the land (Regulation 39(1) (If the applicant is not the land owner and Regulation 39(2) does not apply).	YES ✓	N/A
Appendix 3	Correspondence from the Department confirming the Listing Notice 3 activities triggered (if applicable)	YES ✓	N/A
Appendix 4	Approval by the Department that a combined application in terms of Regulation 11 of the EIA Regulations, 2014 may be submitted (if applicable)	YES	N/A ✓
Appendix 5	A description of the location of the development footprint and a plan which locates the proposed activity/ies (Regulation 16 (1) (vi) (vii)	YES ✓	
Appendix 6	Proof of payment of environmental authorization fees (if applicable). Proof of payment includes a stamped deposit slip or an electronic fund transfer payment advice.	YES ✓	N/A
Appendix 7	A written motivation explaining why the payment of environmental authorization fees are not applicable (an application for a community based project funded by a government grant or an application by an organ of state).	YES	N/A ✓
Appendix 8	A report generated from the national web based environmental screening tool, as contemplated in Regulation 16(1)(b)(v) of the EIA Regulations, 2014 is <u>compulsory</u> when submitting an application for environmental authorisation in terms of regulation 19 and 21 of the EIA Regulations, 2014 from 04 October 2019	YES ✓	

# APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

## PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

Khweza Environmental Consulting has been appointed by Ilanga Technologies Proprietary Limited as the EAP. The applicant proposes to construct a new base station with a telecommunication mast of 36m in height situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality. The site falls within approximately 0.60km of the Paradise Valley Nature Reserve and so potentially triggers an Environmental Impact Assessment (EIA) listed activity. The design includes feeder sleeves, fibre sleeves, fibre manhole, surrounded by a 2.4m high palisade fencing and kerb stone and a 3m swing gate. The mast is designed as a tree mast with lightning spike, aviation lights, 3 antennas, and a crows nest.

### (a) Strategic Infrastructure Projects

	Tick (✓) the relevant option	
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	NO ✓

## 1. BACKGROUND INFORMATION

### **Project applicant:**

Trading name (if any):	Ilanga Technologies Pty Ltd	
Contact person:	Lizwi Siganga	
Physical address:	Unit 2, 23 Beech Gate Crescent	
	Southgate Industrial Business Park, Durban	
Postal address:	Unit 2, 23 Beech Gate Crescent	
	Southgate Industrial Business Park, Durban	
Postal code:	4126	
Telephone:	( 0861 ) -111 017	
Cellular:		
E-mail:	kznsaq@ilangatech.com	

**PLEASE NOTE: The following information is required for each site (location) on which the project will be undertaken:**

**Owner or person in control of the land:**(if the applicant is not the owner or the person in control of the land or Regulation 39(2) in the EIA Regulations 2014 does not apply)

Contact person:		
Postal address:		
Postal code:		
Telephone:	(       ) -	
Cellular:		
E-mail:		

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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

District Municipality:	eThekwini Municipality	
Local Municipality:	eThekwini Municipality	
Contact person at Local Municipality:	Ms Bathabile Msomi	
Postal address:	P.O Box 680, Durban	
Postal code:	4000	
Telephone:	031 311 7136	
Cellular:		
E-mail:	Batha.msomi@durban.gov.za	

In instances where there is more than one local authority involved, please include details of local authorities with their contact details in an Appendix.


Property description/physical address:	ERF 147, Pinetown	
	11 Bull Brand Road, Glenpark, Pinetown	

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


Nearest town/s:	Pinetown	
Directions to the physical address:	From the N3 keep take turn off to Sarnia, Pinetown. Exit from King Cetshwayo Hwy and take Stapleton Rd and Underwood Rd to Bullbrand Rd in Glen Park	
Current land-use zoning:	Residential	

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings in the Appendix and also indicate which portions are relevant to this application.

Is a change of land-use or a consent use application required?

Must a building plan be submitted to the local authority?

Tick (✓) the relevant option	
YES ✓	NO
YES ✓	NO

## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

Locality map: An A3 locality map must be attached to the back of this document, as Appendix 9. 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 accurate indication of the development footprint for the project in relation to known landmarks such as towns/villages, 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
- GPS co-ordinates for each activity (indicate the position of the activity/ies). The co-ordinates should be in degrees, minutes and seconds.

### **Site identification and linkage**

Please indicate all the Surveyor-General 21 digit site reference numbers for all sites (including portions of sites) that are part of the application.

N	0	F	T	0	2	6	0	0	0	0	0	0	1	4	7	0	0	0	0	0

(if there are more than 6, please expand the list with the rest of the numbers)

(These numbers will be used to link various different applications, authorizations, permits etc. that may be connected to a specific site)

Please provide the **geographical coordinates** for the site:

Latitude /Longitude	Degrees	Minutes	Seconds
<b>South</b>	-29	50	16.17
<b>East</b>	30	52	44.0

## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

### 2. ACTIVITIES APPLIED FOR

- a. For an application for authorization that involves more than one listed or specified activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

**Indicate the Activity Number:** Provide the relevant **Activity (ies)** as set out in **Listing Notice 1, 2 & 3** (GN R327, GNR325 & GNR324) **Describe each listed activity as per the project description (and not as per wording of the relevant Government Notice)<sup>1</sup>:**

Activity 3	Listing Notice 3	The proposed development site is within a 1km radius of the Paradie Valley Nature Reserve.

**Please note** that any authorization that may result from this application will only cover activities specifically applied for.

<sup>1</sup>Please note that this description should not be a 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, i.e. describe the components of the desired development.

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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

### 3. NATIONAL SECTOR CLASSIFICATION IN TERMS OF REGULATION 9 OF THE EIA REGULATIONS, 2014

Please indicate which sector the project falls under in terms of Regulation 9 of the EIA Regulations, 2014:

<b>Select the applicable sector by ticking (✓) the relevant block / s in the table below:</b>	
Infrastructure /Transport Services/Roads - Public	
Infrastructure /Transport Services/Roads - Private	
Infrastructure /Transport Services/Rail - Public	
Infrastructure /Transport Services/Rail - Private	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Commercial	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Private	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Public Services	
Infrastructure /Transport Services - Ports	
Infrastructure /Transport Services - Inland Waterways	
Infrastructure /Transport Services - Marina	
Infrastructure /Transport Services - Canal	
Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/Development Setback/100M Inland/or coastal public property.	
Infrastructure /Localised infrastructure - Zip Lines & Foejie Slides	
Infrastructure /Localised infrastructure - Cableway or Funiculars	
Infrastructure /Localised infrastructure - Billboards	
Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Gas	
Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Petroleum	
Infrastructure /Localised infrastructure/Storage/Dangerous good – Chemicals	
Utilities Infrastructure/Pipelines/water - Fresh/Storm Water	
Utilities Infrastructure/Pipelines/water - Waste Water	
Utilities Infrastructure/Pipelines/Dangerous Goods - Chemicals	
Utilities Infrastructure/Pipelines/Hydrocarbon – Petroleum	
Utilities Infrastructure/Pipelines/Hydrocarbon - Gas	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Tower	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Mast	✓
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Receivers	
Utilities Infrastructure - Marine Cables	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Petroleum	

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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

<b>Select the applicable sector by ticking (✓) the relevant block / s in the table below:</b>	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Coal	
Utilities Infrastructure/Electricity /Generation/Non Renewable - Nuclear	
Utilities Infrastructure/Electricity /Generation/Renewable - Hydro	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP	
Utilities Infrastructure/Electricity /Generation/Renewable - Wind	
Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels	
Utilities Infrastructure/Electricity /Generation/Renewable - Wave	
Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	
Utilities Infrastructure/Electricity /Distribution and Transmission – Substation	
Utilities Infrastructure/Gas /Distribution and Transmission – Compressor Station	
Services/Waste Management Services/Disposal facilities - Hazardous	
Services/Waste Management Services/Disposal facilities - Nuclear	
Services/Waste Management Services/Disposal facilities - General	
Services/Waste Management Services/Treatment facilities - Hazardous	
Services/Waste Management Services/Treatment facilities - General	
Services/Waste Management Services/Storage Facilities - General	
Services/Waste Management Services/Storage Facilities - Hazardous	
Services/Waste Management Services/Storage Facilities - Nuclear	
Services/Burial and cemeteries - Cemeteries	
Services/Burial and cemeteries - Cremators	
Services/Water services/Storage - Dams	
Services/Water services/Storage - Reservoirs	
Services/Water services - Desalination	
Services/Water services - Treatment & Waste Water	
Services - Hospitality	
Mining - Prospecting rights	
Mining - Mining Permit	
Mining - Mining Right	
Mining/Exploration Right - Gas or Oil Marine	
Mining/Exploration Right - Gas or Oil Terrestrial	
Mining/Production Right - Gas or Oil Marine	
Mining/Production Right - Gas or Oil Terrestrial	

## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

<b>Select the applicable sector by ticking (✓) the relevant block / s in the table below:</b>	
Mining/Underground gasification of coal - Oil	
Mining/Beneficiation - Hydrocarbon	
Mining/Beneficiation - Mineral	
Agriculture/Forestry/ Fisheries - Crop Production	
Agriculture/Forestry/ Fisheries - Animal Production	
Agriculture/Forestry/ Fisheries - Afforestation	
Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Alien	
Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Indigenous	
Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Alien	
Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Indigenous	
Agriculture/Forestry/ Fisheries - Agro-Processing	
Transformation of land - Indigenous vegetation	
Transformation of land - From open space or Conservation	
Transformation of land - From agriculture or afforestation	
Transformation of land - From mining or heavy industrial areas	
Any activities within or close to a watercourse	
Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	
Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	
Activity requiring permit or licence - Marine Effluent	
Activity requiring permit or licence - Fresh Water Effluent	
Release of Genetically Modified Organisms	

#### 4. STATE DEPARTMENTS CONSULTED

Please indicate to which State departments reports related to your application will be forwarded to provide comments in terms of section 24 0 (2) of NEMA:

**Please note:** details of the relevant contact person and the address of the State department must be provided. Add the names and other details for State departments not listed.

Tick (✓) relevant option/s		Name of Department	Contact person	Address
YES	NO			
✓		Department of Economic Development, Tourism & Environmental Affairs	Ms Natasha Brijlal	22 Dorothy Nyembe Street, Marine Building, 9th Floor
✓		Ezemvelo KZN Wildlife	Dr. Andy Blackmore	PO Box 13053, Cascades, 3202
✓		Amafa	Ms Bernadet	P.O. Box 2685, PMB,

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## APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

			Pawandiwa	3201
	✓	Department of Human Settlements, Water & Sanitation	Ms Zama Hadebe	PO Box 1018, Durban, 4000
✓		Department of Agriculture & Rural Development	Ms Lynn Boucher	Private Bag X9059 Pietermaritzburg 3200
✓		Department of Cooperative Governance and Traditional Affairs	Ms Bhekisisa Mkhize	3rd Floor, 36 Kings Road, Pinetown
✓		Department of Transport	Judy Reddy	Private Bag X9043, Pietermaritzburg, 3200
✓		eThekweni Municipality	Ms Batha Msomi	Engineers Building, Old Fort Road, Durban

**Please note that: The EAP must request comments from** all relevant State departments and remind such departments that failure to submit comments with 30 days will, in terms of sub-regulation 3(4) of the EIA Regulations, 2014 be regarded as no comments..

### 5. ECONOMIC AND SOCIAL INFORMATION

Details on the anticipated socio-economic values associated with the proposed project MUST be provided below:

Anticipated CAPEX value of the project on completion	R 15 000 000
What is the expected annual turnover to be generated by or as a result of the project?	R 5 000 000
New skilled employment opportunities created in the <u>construction</u> phase of the project	10
New skilled employment opportunities created in the <u>operational</u> phase of the project	5
New un-skilled employment opportunities created in the <u>construction</u> phase of the project	50
New un-skilled employment opportunities created in the <u>operational</u> phase of the project	5
What is the expected value of the employment opportunities during the operational and construction phase?	R10 000 000

### 6. TYPE OF APPLICATION

#### (a) Application for Basic Assessment (BA)

This is an application that is subject to a basic assessment (EIA Regulations 2014: Chapter 4, Part 2) and Regulation 19 in the EIA Regulations 2014 will be complied with.

Tick (✓) relevant option	
YES ✓	N/A

#### (b) Application for Scoping and Environmental Impact Assessment (S/EIA)

This is an application that is subject to Scoping and EIA (EIA Regulations 2014: Chapter 4: Part 3) and Regulation 21 in the EIA Regulations 2014 will be complied with.

Tick (✓) relevant option	
YES	N/A ✓

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# APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

## 7. DECLARATIONS

### (a) Declaration by the applicant

I, Lizwi Siganga, declare that I-

- am, or represent<sup>2</sup>, the applicant in this application;
- have appointed an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application;
- will provide the environmental assessment practitioner and the KZN Department of Economic Development, Tourism & Environmental Affairs with access to all information at my disposal that is relevant to this application;
- will be responsible for the costs incurred in complying with the Environmental Impact Assessment Regulations, 2014, including but not limited to –
  - costs incurred in connection with the appointment of the environmental assessment practitioner;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorization, should it be required by the KZN Department of Economic Development, Tourism & Environmental Affairs;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the EIA Regulations, 2014 and will take reasonable steps to verify whether the EAP complies with the Regulations;
- will inform all registered interested and affected parties of any suspension of the application, as well as of any decisions taken by the KZN Department of Economic Development, Tourism & Environmental Affairs in this regard;
- am responsible for complying with the conditions of any environmental authorization issued by the KZN Department of Economic Development, Tourism & Environmental Affairs;
- hereby indemnify the Government of the Republic of South Africa, the KZN Department of Economic Development, Tourism & Environmental Affairs and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of the EIA Regulations, 2014;
- will not hold the KZN Department of Economic Development, Tourism & Environmental Affairs responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorization or prior to an appeal being decided in terms of the EIA Regulations, 2014;
- I will perform all other obligations as expected from an applicant in terms of the EIA Regulations, 2014;
- all the particulars furnished by me in this form are true and correct; and

I am aware that a person is guilty of an offence in terms of Regulation 48 (1) of the EIA Regulations, 2014, if that person provides incorrect or misleading information. A person who is convicted of an offence in terms of sub-regulation 48(1) (a)-(e) is liable to the penalties as contemplated in section 49B-(1) of the National Environmental Management Act, 1998 (Act 107 of 1998)

\_\_\_\_\_  
Signature of the applicant<sup>3</sup>/ Signature on behalf of the applicant

Ilanga Technologies

\_\_\_\_\_  
Trading name (if applicable)

\_\_\_\_\_  
Date

<sup>2</sup>If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

<sup>3</sup>If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

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# APPLICATION FOR ENVIRONMENTAL AUTHORIZATION

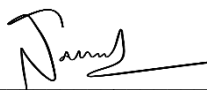
## (b) Declaration by the environmental assessment practitioner.

### Environmental assessment practitioner (EAP):<sup>4</sup>

Trading name (if any):	Khweza Environmental Consulting		
Contact person:	Nazeer Jamal		
Postal address:	155 Moses Kotane Road, Overport, Durban		
Postal code:	4091	Cell:	0761513334
Telephone:			
E-mail:	<a href="mailto:nazeer@khweza.net">nazeer@khweza.net</a>		
Education Qualifications <sup>5</sup> :	UKZN – BSc Honours in Environmental Science		
Professional affiliation(s) (if any) <sup>6</sup>	EAPASA		

I, Nazeer Jamal, declare that I

- am the independent environmental practitioner in this application;
- will comply with the requirements for an EAP as stipulated in Regulation 13 of the EIA Regulations, 2014;
- do not have and will not have any vested interest (either business, financial, personal or other) in the undertaking of the proposed activity, other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;
- will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- declare that there are no circumstances that may compromise my objectivity in performing such work;
- have expertise in conducting environmental impact assessments, including knowledge of the National Environmental Management Act, 1998 (Act107 of 1998), regulations and any guidelines that have relevance to the proposed activity;
- will comply with the National Environmental Management Act, 1998 (Act107 of 1998), regulations and all other applicable legislation;
- 2014undertake to disclose to the applicant and the KZN Department of Economic Development, Tourism & Environmental Affairs all material information in my possession that reasonably has or may have the potential of influencing its decision with respect to this application;
- will ensure that information containing all reports in respect of this application is distributed or made available to interested and affected parties and that their participation is facilitated in such a manner that they will be provided with a reasonable opportunity to participate and provide comments on the reports;
- will provide the competent authority with access to all information at my disposal regarding this application, whether such information is favourable to the applicant or not;
- declare that all the particulars furnished by me in this form are true and correct;
- I am aware that a person is guilty of an offence in terms of Regulation 48 (1) of the EIA Regulations, 2014, if that person provides incorrect or misleading information. A person who is convicted of an offence in terms of sub-regulation 48(1) (a)-(e) is liable to the penalties as contemplated in section 49B(1) of the National Environmental Management Act, 1998 (Act 107 of 1998); and
- I will comply with all the requirements as indicated in the National Environmental Management Act, 1998(Act 107 of 1998) and Environmental Impact Assessment Regulations, 2014.



\_\_\_\_\_  
Signature of the environmental assessment practitioner

Khweza Environmental Consulting  
Trading name

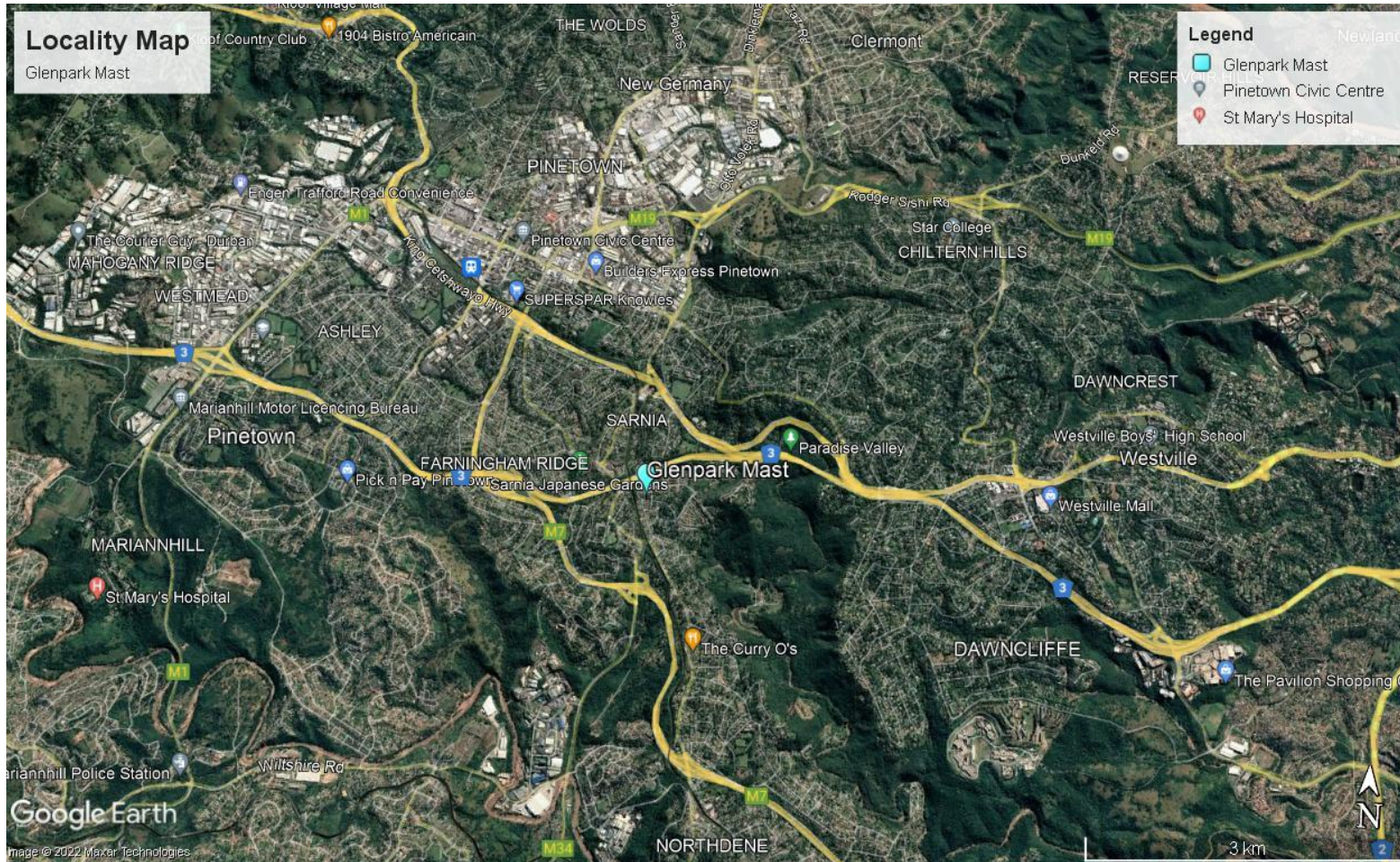
1 August 2022  
Date

<sup>58</sup>Please include details of names, education qualifications and professional affiliations of the EAP and each representative of the EAP appointed to manage this application.

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APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

8. APPENDIX 1 LOCALITY MAP



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**Appendix J7 – Environmental Screening Report**



**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS  
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE  
ENVIRONMENTAL SENSITIVITY**

**EIA Reference number:** EIA

**Project name:** Telecom Mast

**Project title:** Glen Park

**Date screening report generated:** 25/02/2022 19:54:05

**Applicant:** Ilanga

**Compiler:** Khweza Environmental Consulting

**Compiler signature:**  
.....

**Application Category:** Utilities Infrastructure|Telecommunications\_ Radio Broadcasting| Mast

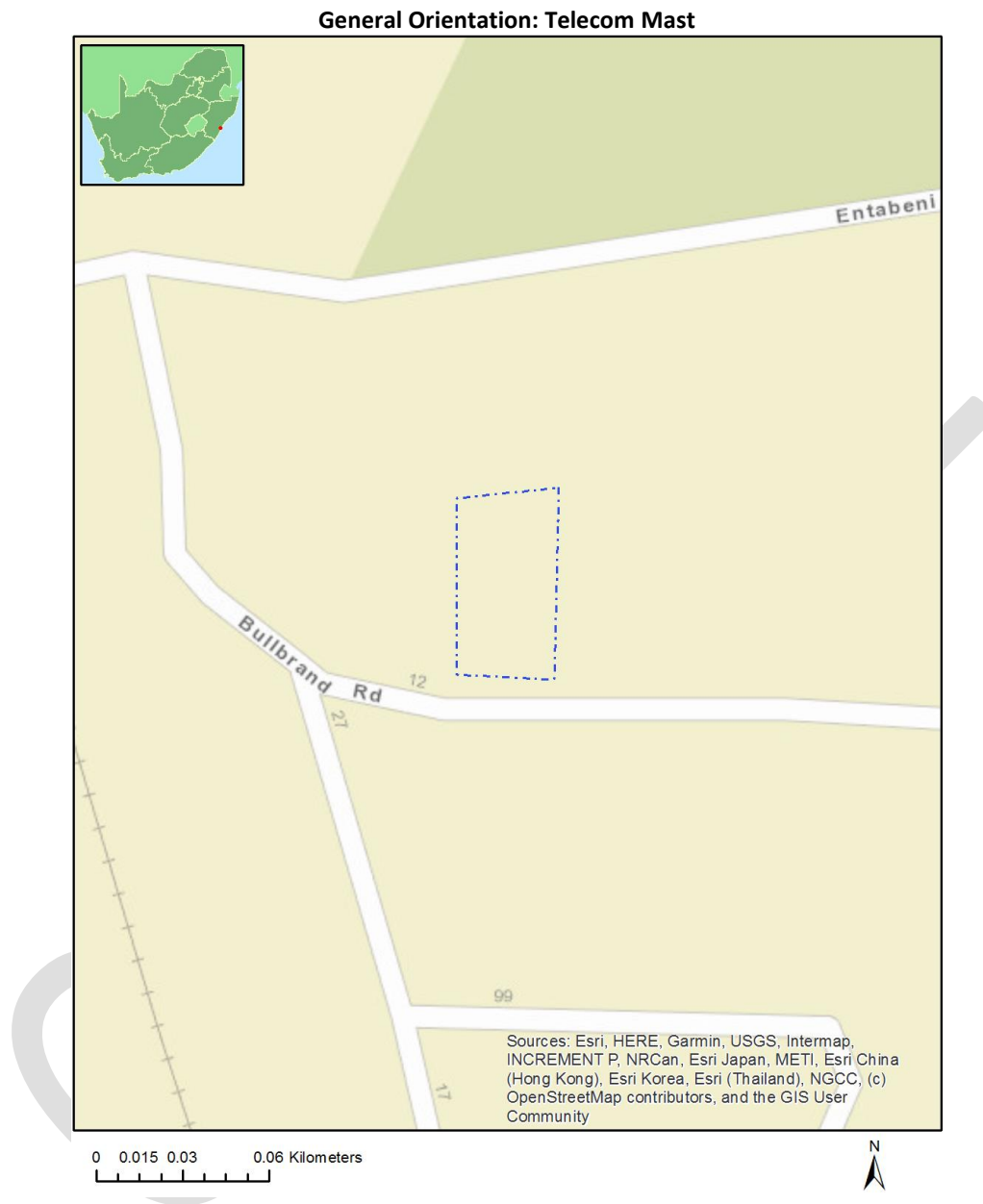


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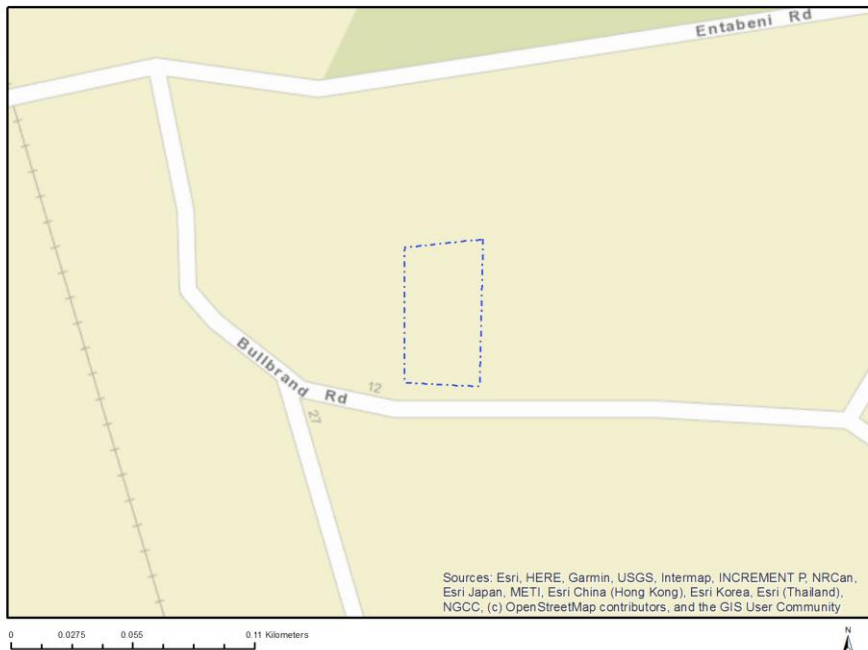
# Proposed Project Location

## Orientation map 1: General location





## Map of proposed site and relevant area(s)



## Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	PINETOWN	147	0	29°50'16.15S	30°52'44.1E	Erven
2	PINETOWN	147	0	29°50'16.07S	30°52'44.79E	Erven

Development footprint<sup>1</sup> vertices:  
No development footprint(s) specified.

## Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No nearby wind or solar developments found.

## Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

<sup>1</sup> “development footprint”, means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

## Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

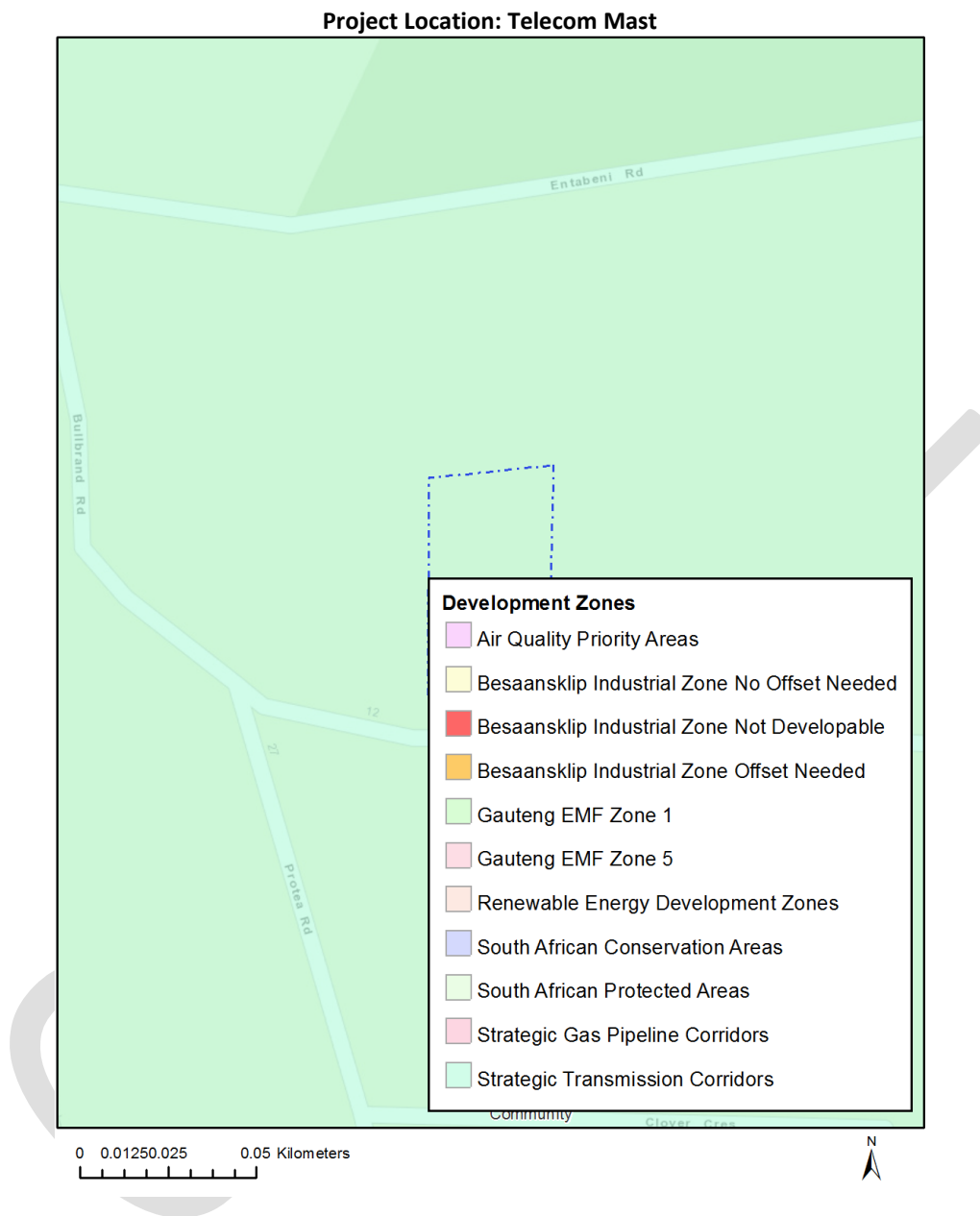
**Utilities Infrastructure | Telecommunications\_ Radio Broadcasting | Mast.**

### Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive , restriction or prohibition	Implication
Strategic Transmission Corridor-Eastern Corridor	<a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf</a>

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



### Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme			X	
Animal Species Theme			X	

Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme	X			
Civil Aviation Theme			X	
Defence Theme			X	
Paleontology Theme				X
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			

### Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

<b>No</b>	<b>Specialist assessment</b>	<b>Assessment Protocol</b>
1	Landscaping/Visual Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
2	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
3	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
4	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Terrestrial%20Biodiversity%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf</a>
5	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Aquatic%20Biodiversity%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf</a>
6	Civil Aviation Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Civil%20Aviation%20Installations%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Civil Aviation Installations Assessment Protocols.pdf</a>
7	Defense Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols</a>

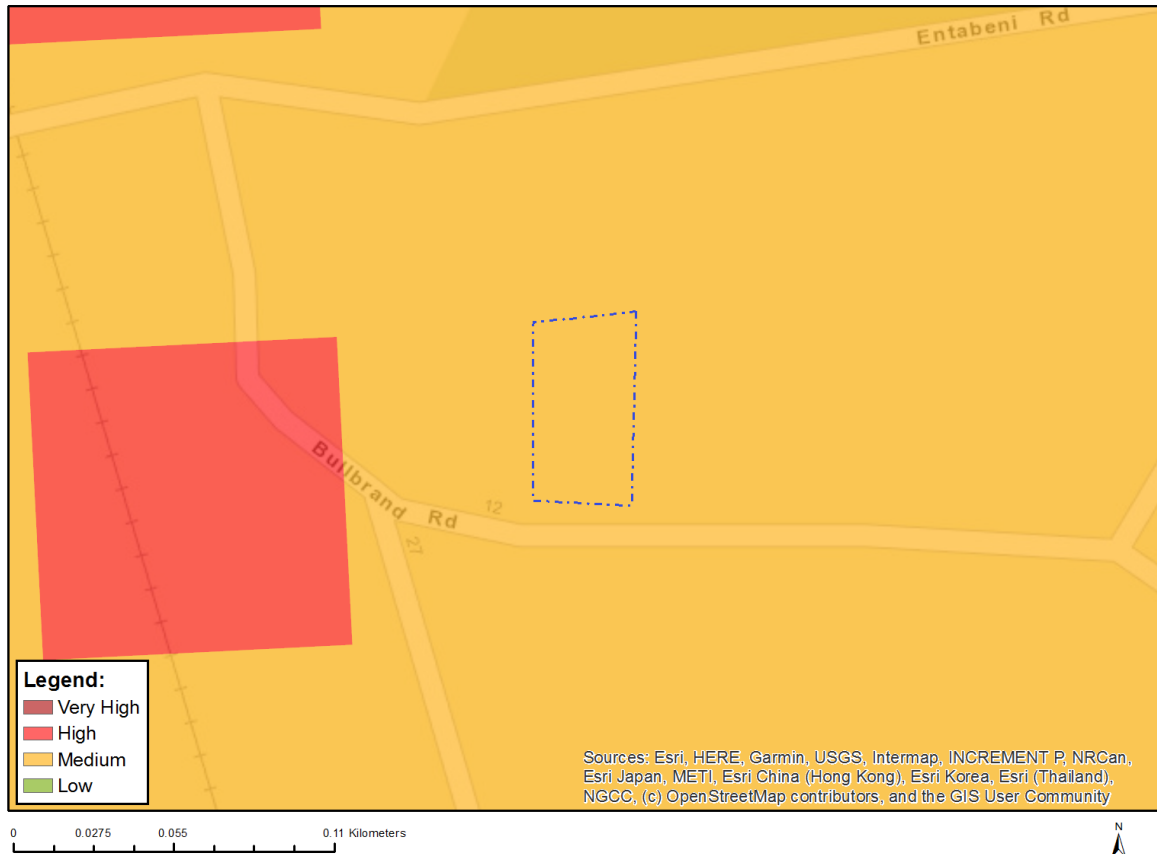
	ent	<a href="#">/Gazetted Defence Installations Assessment Protocols.pdf</a>
8	RFI Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
9	Geotechnical Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
10	Plant Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf</a>
11	Animal Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf</a>

OFFICIAL

## Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

### MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

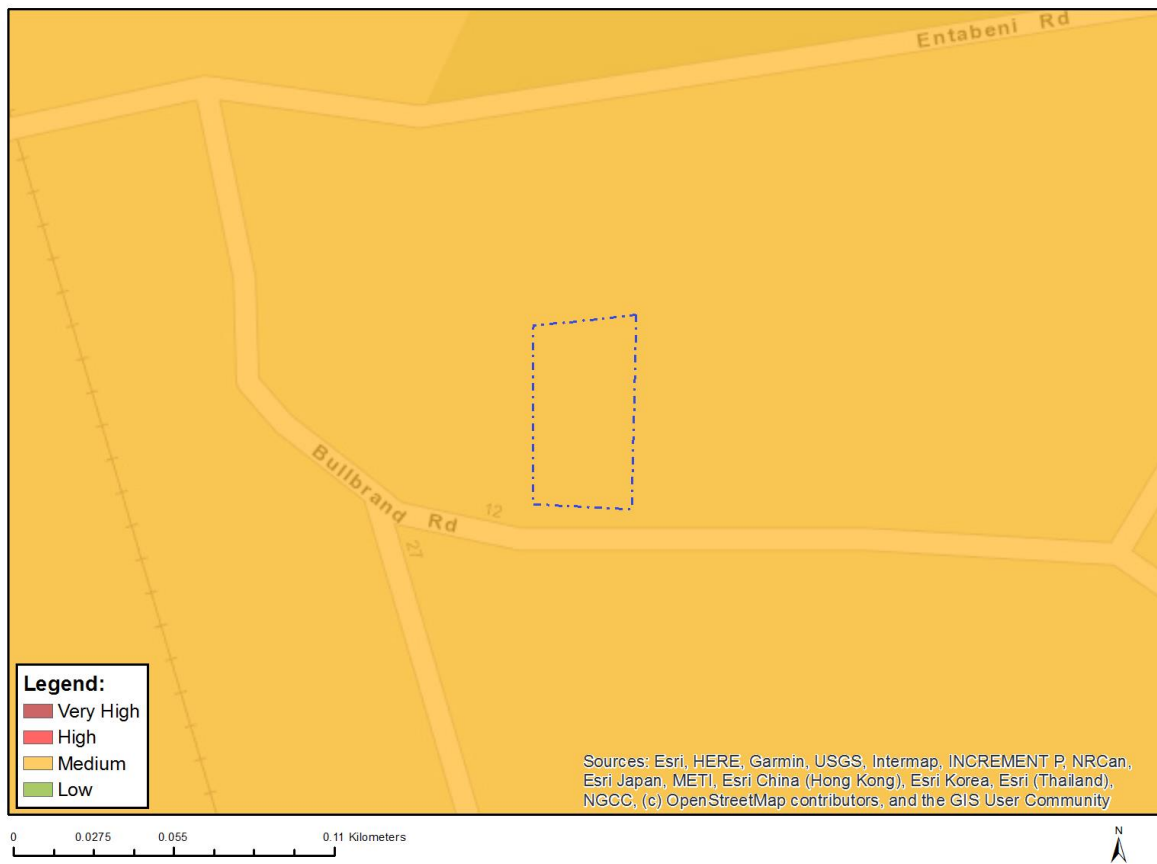


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

#### Sensitivity Features:

Sensitivity	Feature(s)
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

## MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

Sensitivity	Feature(s)
Medium	Invertebrate-Arytropteris basalis
Medium	Invertebrate-Phymeurus illepidus
Medium	Invertebrate-Doratogonus rubipodus
Medium	Amphibia-Natalobatrachus bonebergi
Medium	Mammalia-Chrysospalax villosus
Medium	Mammalia-Ourebia ourebi ourebi
Medium	Sensitive species 7

## MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

### Sensitivity Features:

Sensitivity	Feature(s)
Very High	Aquatic CBAs



# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

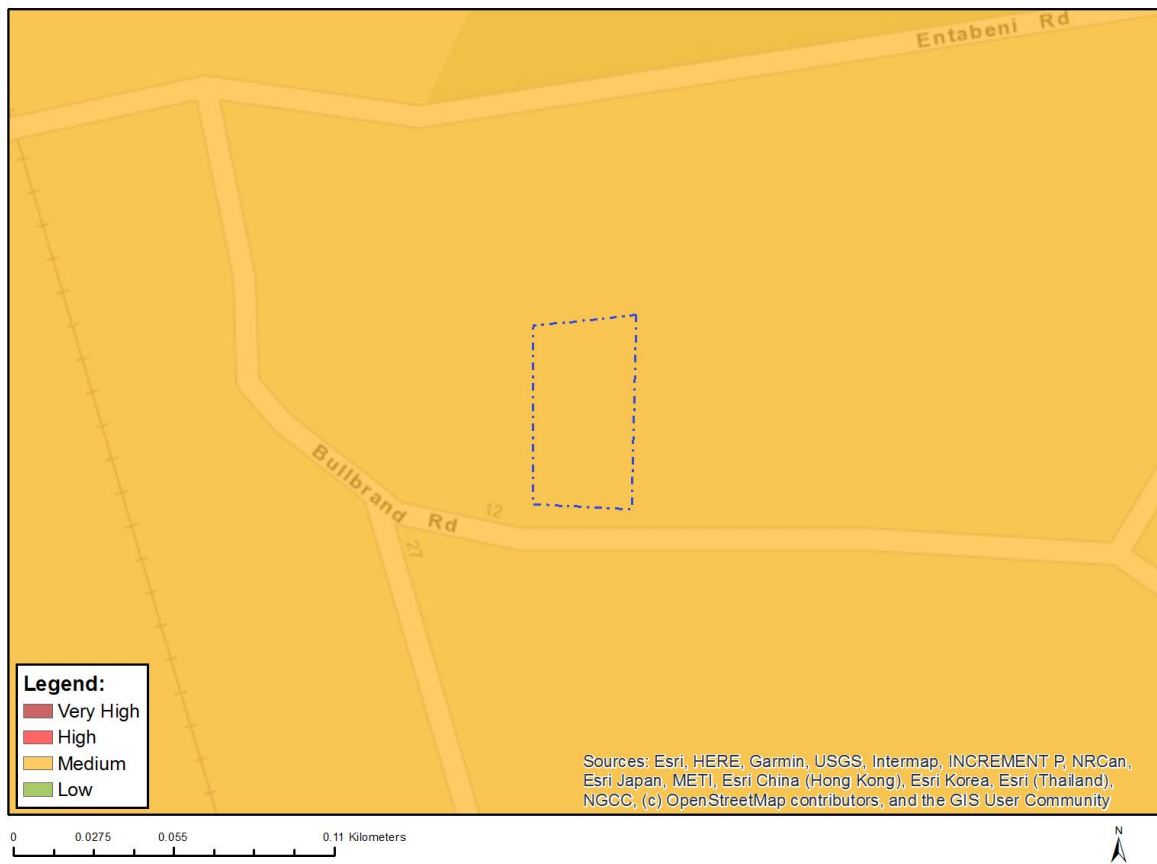


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

**Sensitivity Features:**

Sensitivity	Feature(s)
Very High	Within 2km of a Grade II Heritage site

## MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

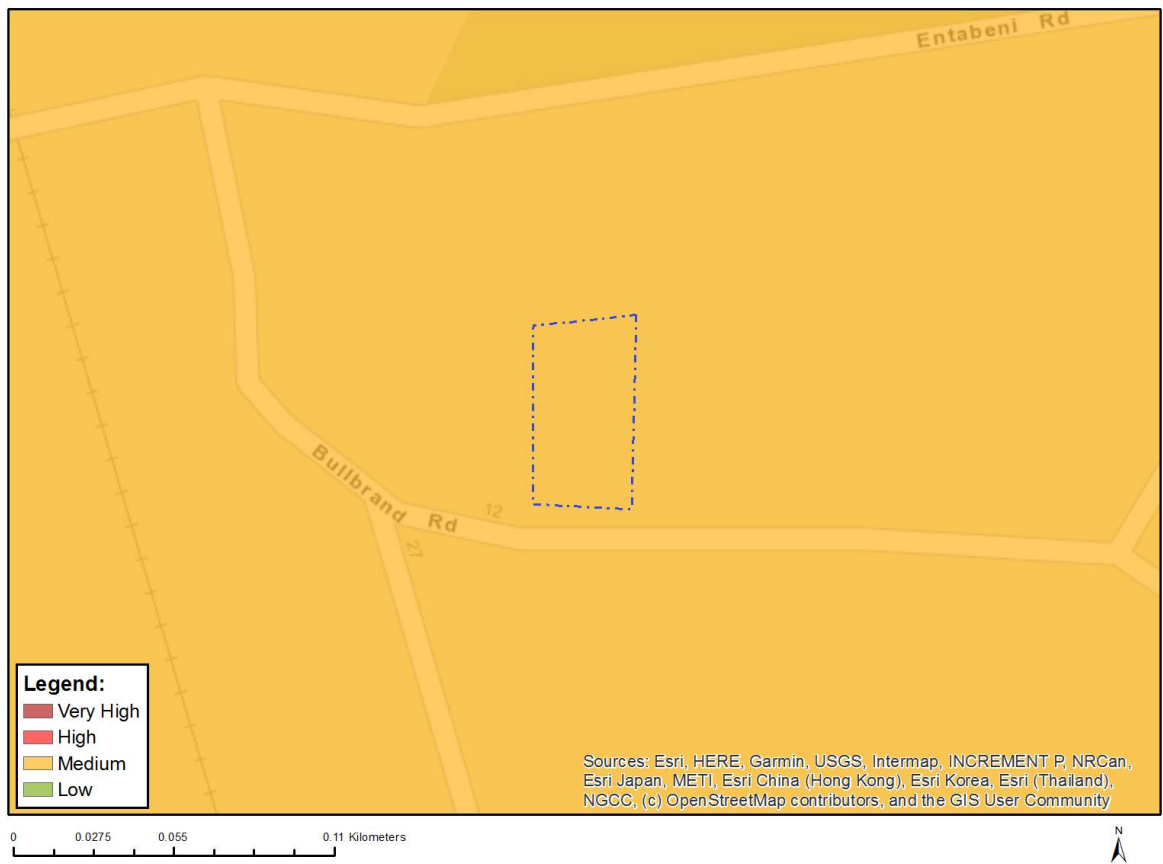


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 15 and 35 km from a civil aviation radar
Medium	Between 15 and 35 km from a major civil aviation aerodrome

# MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

**Sensitivity Features:**

Sensitivity	Feature(s)
Medium	Military and Defence Site

## MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low paleontological sensitivity

## MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



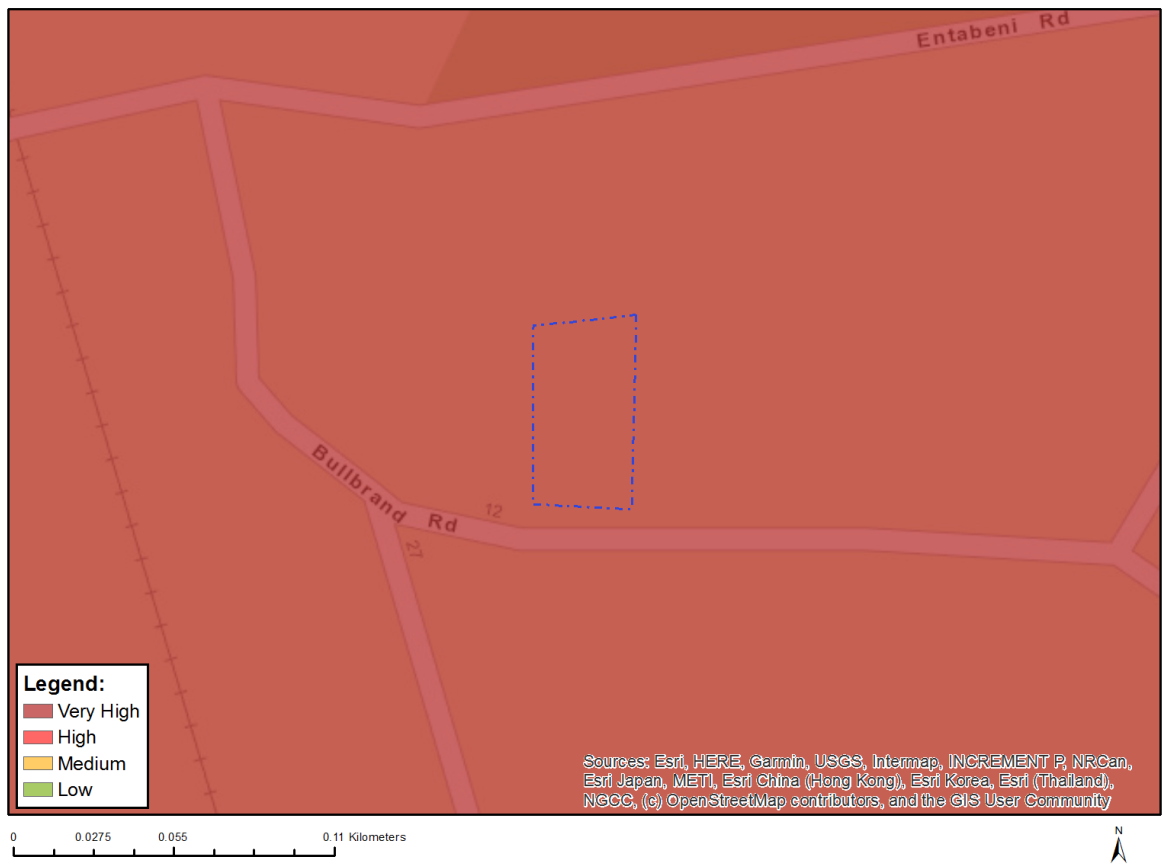
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

# MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

## Sensitivity Features:

Sensitivity	Feature(s)
Very High	Critically endangered ecosystem

**Appendix J8 – EDTEA Query Response**





## KWAZULU-NATAL PROVINCE

ECONOMIC DEVELOPMENT, TOURISM  
AND ENVIRONMENTAL AFFAIRS  
REPUBLIC OF SOUTH AFRICA

22 Dorothy Nyembe Street  
The Marine Building, 8<sup>th</sup> Floor  
Durban, 4001  
[www.kznded.gov.za](http://www.kznded.gov.za)

Programme/Sub-Programme: Environmental Services  
Enquiries: Mr. Ndumiso Masuku/ Mr. Liam Sanders  
Telephone: 031 350 3039  
Email: Ndumiso.Masuku@kznedtea.gov.za  
Reference: 0005/Jan/2022

Date: 15 / 02 /2022

**Attention** : Mr. Matimba Shipalana

**Address** : Ilanga Technologies  
Unit 2 - 23 Beechgate Crescent  
Southgate Industrial Business Park  
4126

**Tel** : 031 914 3868  
**Cell** : 062 264 6802  
**E-mail** : kznsaq@ilangatech.com

**RE: PROPOSED CONSTRUCTION OF A NEW BASE STATION WITH A TELECOMMUNICATION MAST OF 36M,  
SITUATED AT ERF 147, 11 BULL BRAND ROAD, GLEN PARK, PINETOWN LOCATED WITHIN ETHEKWINI  
MUNICIPALITY**

Dear Sir,

1. The following has reference:

- 1.1 The environmental impact assessment (EIA) enquiry received by the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) (hereafter referred to as "the Department") on 25 January 2022 regarding the above-mentioned query;
- 1.2 The email correspondence sent by the Department on 07 February 2022 and the response received thereof on 07 February 2022 and,
- 1.3 Listing Notice 3 GIS verification on 07 February 2022.

2. The following information was considered:

- 2.1 The applicant proposes to construct a new base station with a telecommunication mast of 36m, situated at Erf 147, 11 Bull Brand Road, Glen Park, Pinetown located within eThekweni Municipality;
- 2.2 The site falls within approximately 93m of the nearest watercourse;
- 2.3 The site falls within approximately 0.60km of the Paradise Valley Nature Reserve;
- 2.4 The site falls within the Durban Metropolitan North Coast Grassland, which is situated within a Critically Biodiverse Area (CBA);
- 2.5 The site has however been transformed, from its natural condition due to the surrounding development;
- 2.6 The co-ordinates of the site are: 29°50'16.152"S and 30°52'44.112"E;
- 2.7 The site is classified as urban; and,

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	0005/Jan/2022: Proposed construction of a new base station with a telecommunication mast of 36m, Glen Park - Pinetown	Page 1 of 3	<u>N.B</u> Initials
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2.8 The land zonation of the site is “vacant”.

3. Based on the information provided in the above-mentioned correspondence, the Department is of the opinion that the above-mentioned project **constitutes a listed activity** which is identified in terms of section 24 of the National Environmental Management Act (NEMA), Environmental Impact Assessment (EIA) Regulations, 2014 as amended and therefore an environmental authorisation **will be** required.
4. The following activity of the EIA Regulations dated 2014 as amended could have possibly triggered:

Listed Activity	Activity Description	Component of the project
Activity 3 of LN3, GNR 983	<p><i>The development of masts or towers of any material or type used for telecommunication, broadcasting or radio transmission purposes where the mast or tower –</i></p> <p><i>(a) Is to be placed on a site not previously used for this purpose; and</i></p> <p><i>(b) Will exceed 15 metres in height-</i></p> <p><i>But excluding attachments to existing buildings and masts on rooftops.</i></p> <p><i>(i) In an estuarine functional zone;</i></p> <p><i>(ii) Trans-frontier protected areas managed under international conventions;</i></p> <p><i>(iii) Community Conservation Areas;</i></p> <p><i>(iv) World Heritage Sites;</i></p> <p><i>(v) Biodiversity Stewardship Programme Biodiversity Agreement Areas;</i></p> <p><i>(vi) A protected area identified in terms of NEMPAA, excluding conservancies;</i></p> <p><i>(vii) Sites or areas identified in terms of an international convention;</i></p> <p><i>(viii) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</i></p> <p><i>(ix) Core areas in biosphere reserves;</i></p> <p><i>(x) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority or zoned for a conservation purpose;</i></p> <p><i>(xi) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</i></p> <p><i>(xii) Outside urban areas:</i></p> <p><i>(aa) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any terrestrial protected area identified in terms of NEMPAA or from the core areas of a biosphere region; or</i></p> <p><i>(bb) Areas seawards of the development setback</i></p>	<p>Based on the information provided; the telecommunication mast will be 36m in height and falls within approximately 0.60km of the nearest protected area.</p> <p>Therefore, this activity is triggered and will require an environmental authorisation.</p>

	<p><i>line or within 1 kilometre from the high-water mark of the sea in no such development setback line is determined; or</i></p> <p><i>(xiii) Inside urban areas:</i></p> <p><i>(aa) Areas seawards of the development setback line or within 100 metres from the high-water mark of the sea in no such development setback line is determined;</i></p> <p><i>(bb) Within urban protected areas;</i></p> <p><i>(cc) Areas zoned for use as public open space; or</i></p> <p><i>(dd) <b>Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.</b></i></p>	
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**However, the following must be adhered to:**

5. Should the developer choose to continue with the proposal, a Basic Assessment process must be undertaken and once the requirements are met, this Department will make a decision to either grant or refuse environmental authorisation. Please note that the development of the site, as enquired may not commence prior to environmental authorisation being granted by this Department.
6. A pre-application meeting must be held with the Department prior to the lodging of the application.
7. For pre-application meeting enquiries contact Ms. Natasha Brijlal, E-mail: [Natasha.Brijlal@kznedtea.gov.za](mailto:Natasha.Brijlal@kznedtea.gov.za), Tel.: 031 350 3015.
8. The development must comply with relevant local bylaws.
9. These comments do not exclude the applicant from his/her responsibility to comply with any other statutory/legislative requirements that may be applicable to the carrying on of the proposed activity.
10. This Department reserves the right to revise or withdraw comments or request further information based on any new information received.
11. Please contact this Department should you have further queries. Kindly quote the enquiry reference number: 0005/Jan/2022, in future correspondences.

**Yours faithfully**

*N. Brijlal*

**for Head of Department:**

**KwaZulu-Natal Department of Economic Development Tourism and Environmental Affairs**

**Signed by: Ms. Natasha Brijlal**

**Designation: Control Environmental Officer (EIA)**

**District Office: eThekweni**

**Date: 15 / 02 /2022**

Department of Economic Development, Tourism & Environmental Affairs, KwaZulu-Natal	0005/Jan/2022: Proposed construction of a new base station with a telecommunication mast of 36m, Glen Park - Pinetown	Page 3 of 3	<u>N.B</u> Initials
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**Appendix J9 – CAA Approval**



**OBSTACLE APPROVAL**

CAA Obstacle ID

CAA\_2021\_9\_255

**APPLICANT**

Applicant Name

Contact Person

Cell Nr

Tel Nr

Email

VAT Nr

Address

City

Province

Postal Code

**OWNER**

Owner Name

Contact Person

Cell Nr

Tel Nr

Email

Application Date  Received Date

Application Type  New  Shared  Replacement

Attachments:  GIS/Google File  Survey Report  
 Plan/Eng Drawing  Other

**DETAILS OF PROPOSED STRUCTURE**

Type of Structure  Construction Start Date

Site Name  Construction End Date

Site ID

LAT (Degrees)  LAT (Minutes)  LAT (Seconds)  Jib/Guywire (m)

LONG (Degrees)  LONG (Minutes)  LONG (Seconds)  Datum

Site Elevation (m)  Notes:  Coord Data Source

Substructure Height (m)  Other (specify)

Superstructure Height (m)  Elevation Data Source

Structure Elevation (m)  Other (Specify)

**APPROVAL STATUS:** 

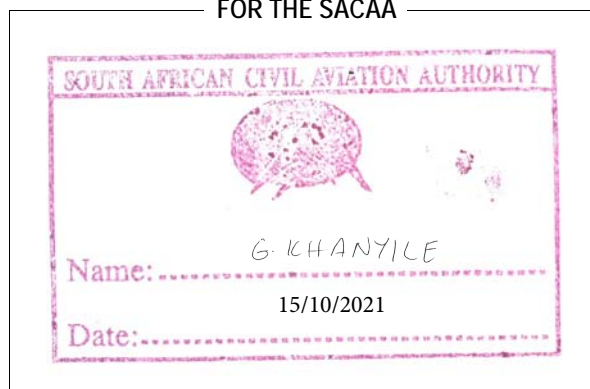
Note: 1. Conditional Approval only valid for 5 years from date of signature.  
2. Final approval subject to applicant/owner providing 'As-Built' data.

**Approval Conditions:**

- No Markings
- Day Markings
- Night Markings
- Day/Night Markings
- UPS
- Other/Special

**Other/Special Conditions:**

FOR THE SACAA





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**Appendix J10 – Department of Health**





## Department of Health

Directorate: Radiation Control  
Private Bag X62  
BELLVILLE  
7535

☎: 021 957 7483  
Fax: 021 946 1589  
E-mail: [Leon.DuToit@health.gov.za](mailto:Leon.DuToit@health.gov.za)

Enquiries: LL du Toit  
Date: 11 March 2019

### To whom it may concern

#### HEALTH EFFECTS OF CELLULAR BASE STATIONS AND HANDSETS

The Directorate: Radiation Control is the section within the National Department of Health that is responsible, from the viewpoint of human health, for regulating electronic products producing **non-ionising** electromagnetic fields (EMF), i.e. where the frequency of such EMF is less than 300 GHz. In carrying out this responsibility, the Directorate has been utilising the World Health Organization's (WHO) International EMF Project ([www.who.int/peh-emf/en/](http://www.who.int/peh-emf/en/)) as its primary source of information and guidance with respect to the health effects of EMF. The International EMF Project was established by the WHO in 1996 to (i) assess the scientific evidence for possible adverse health effects of non-ionising electromagnetic fields on an on-going basis, (ii) initiate and coordinate new research in this regard, and (iii) compile health risk assessments for different parts of the electromagnetic spectrum. The Department of Health has been a member of the International Advisory Committee of the International EMF Project since 1998.

In June 2005 the International EMF Project hosted a workshop that was specifically aimed at considering the possible health consequences of the emissions from cellular base stations and wireless networks. The findings of this workshop were summarised in a 2-page Fact Sheet (<http://www.who.int/peh-emf/publications/facts/fs304/en/>). The following extract from this Fact Sheet is still considered by the WHO as a summary of the findings to date, i.e. ***“Considering the very low exposure levels and research results collected to date, there is no convincing scientific evidence that the weak RF signals from base stations and wireless networks cause adverse health effects.”***

Another WHO Fact Sheet was published in June 2011 and reviewed in October 2014, i.e. *Electromagnetic fields and public health: mobile phones*. This Fact Sheet can be found at <http://www.who.int/mediacentre/factsheets/fs193/en/> and the conclusion is stated as follows:

***“A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use.”***

The WHO recommends utilising internationally recognised exposure guidelines such as those published in 1998 by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and reconfirmed in 2009 for the frequency range 100 kHz – 300 GHz (i.e. including all the frequencies employed by the cellular industry). The Department of Health likewise recommends the use of these ICNIRP guidelines to protect people against the known adverse health effects of EMF.

The numerous measurement surveys, which have been conducted around the world and in South Africa, have shown that the actual levels of public exposure as a result of base station emissions invariably are only a fraction of the ICNIRP guidelines, even in instances where members of the public have been really concerned about their exposure to these emissions. At present there is **no** confirmed scientific evidence that points to any health hazard associated with the very low levels of exposure that the general public would typically experience in the vicinity of a cellular base station. The Department is therefore satisfied that the health of the general public is not being compromised by their exposure to the microwave emissions of cellular base stations. This also means that local and other authorities, in considering the environmental impact of any particular base station, do not need to and should not attempt, from a public health point of view, to set any restrictions with respect to parameters such as distance to the mast, duration of exposure, height of the mast, etc.

The Department of Health is not able to make any pronouncements about the specific levels of EMF that a member of the public would experience at any particular base station site when it is in operation. However, generally-speaking unless a person would climb to the top of a mast (or other structure supporting an antenna) and position him/herself not more than a few meters away right in front of the active antenna, such a person would have no real possibility of being exposed to even anywhere near the afore-mentioned ICNIRP guideline limits. Since these base stations are typically cordoned off by means of barbed wire fencing and locked gates/doors in order to protect the sensitive and expensive technology, getting to a mast and actually climbing it despite the afore-mentioned security measures would certainly not be considered responsible behaviour. Even then the only real threat to the health of the person would be falling at any height from the structure in question. Based on the results of numerous global and local surveys, the experience has been that the exposure to base station EMF at ground level is typically in the range of between 0.001 – 1.0 % of the afore-mentioned ICNIRP guideline limits. Against this background of available data, there



would be no scientific grounds to support any allegation that adverse health effects might be suffered by a responsible member of the public due to the EMF emitted by a base station.

Although the Department of Health currently neither prescribes nor enforces any compulsory exposure limits for electromagnetic fields, the Department does advise all concerned (whether they be a government department, the industry or the public) that voluntary compliance with the afore-mentioned ICNIRP exposure guidelines is the recommended and science-based way to deal with any situation involving human exposure to the non-ionising electromagnetic fields emitted by cellular base stations and handsets.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'LL du Toit', with a stylized, cursive script.

**LL du Toit**  
DEPUTY DIRECTOR: RADIATION CONTROL