

APPENDIX B

APPLICATION FORM



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Proposed Altina 120MW Solar Photovoltaic (PV) & 40MW Battery Energy Storage Systems (BESS) Project near the town of Orkney, Free State Province.

Indicate if the **DRAFT** report accompanies the application

Yes
No

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Date of the pre-application meeting	18 November 2021			
Reference number of pre-application meeting held	2021-10-0029			
Was minutes compiled and submitted to the Department for approval	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

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 application form is current as of **April 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. The onus is on the Applicant/EAP to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in Listing Notice 1, 2, or 3 of the EIA Regulations, 2014 as amended, it must also form part of the Application for Environmental Authorisation.
4. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.
5. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.
6. An electronic copy of the signed application form must be submitted of both the Applicant and EAP.
7. This form must be marked "**for Attention: Chief Director: Integrated Environmental Authorisations**" and submitted to the Department at the format as prescribed in the process to upload documents form.
8. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).

9. Where applicable black out the boxes that are not applicable in the form.
10. The use of the phrase “not applicable” in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the rejection of the application as provided for in the Regulations.
11. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
12. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
13. Please note that this form must be copied to the relevant Provincial Environmental Department(s)
14. An application for Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.
15. An application for environmental authorisation must be accompanied by a report generated by the web based environmental screening tool (in Appendix 11). This has been stipulated as a requirement for the submission of applications for environmental assessment in the Environmental Impact Assessment Regulations. The Screening Tool allows for the generation of a Screening Report referred to in Regulation 16(1)(v) of the Environmental Impact Assessment Regulations 2014, as amended, whereby a Screening Report is required to accompany any application for Environmental Authorisation.

Departmental Details

Online Submission:

EIAapplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to be submitted to this Department.

Postal address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

Reason(s) in terms of S24C of NEMA:

Department of Forestry, Fisheries and the Environment (DFFE).

This Application is for a Renewable Energy Project (Large Scale Solar PV with BESS Energy Development). The Applicant intends to bid for current and future Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows.

The REIPPPP programme was designed to respond to the call by the NDP & the IRP 2010 via renewable energy Sources. In line with GN 779 of July 2016, the Competent Authority for the consideration and processing of Environmental Authorisations for activities related to the IRP 2010-2030 is the Minister of the DFFE. Therefore, the DFFE is the Competent Authority in terms of S24C(2)(a)(i).

2. FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 2** of this application form.

Proof of payment attached	Yes	
Payment Reference Number	-27.056223/26.740545	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014		No

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government Grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	

Department of Forestry, Fisheries and the Environment banking details for the payment of application fees:

<p>Payment Enquiries: Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p>
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Reference number: Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude
e.g. -33.918861/18.423300

Status: Tax exempted

3. GENERAL INFORMATION

Kindly note that the Applicant details have changed. The previous Applicant (Genesis Eco-Energy Developments (Pty) Ltd) was in partnership with energyTEAM (Pty) Ltd. During the application process, they have decided to dissolve the partnership, and the various applications have thus been divided between the two companies. This application will now fall under energyTEAM (Pty) Ltd going forward. Please see the updated details in the table below.

Name of the Applicant:	energyTEAM (Pty) Ltd		
RSA Identity/ Passport Number:	-		
Name of contact person for applicant (if other):	Thomas CONDESSE		
RSA Identity/ Passport Number:	16 AY OO234 (FRENCH passport)		
Responsible position, e.g. Director, CEO, etc.:	Director		
Company/ Trading name (if any):			
Company Registration Number:	2018/383244/07		
BBBEE status:	4		
Physical address:	60 Hennie Winterbach Panorama WC 7500		
Postal address:			
Postal code:	7500	Cell:	083 460 3898
Telephone:		Fax:	086 689 0583
E-mail:	thomas.condesse@energyteam.co.za		
Name of the landowner:	Ina Trust & Altona Trust (landowner for PV Site)		
Name of contact person for landowner (if other):	Jan-Harm Steenkamp		
Postal address:	PO Box 79, Vierfontein		
Postal code:	2615	Cell:	076 757 8338
Telephone:		Fax:	
E-mail:	j2hsteenkamp@gmail.com		

Refer to APPENDIX 3 for a list of the landowners (PV Site and Power Line)

Name of Person in control of the land:	Same as above for PV Site.		
Name of contact person for person in control of the land:	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid white; padding: 5px;">Cell:</div> <div style="border: 1px solid white; padding: 5px;">Fax:</div> </div>		
Postal address:			
Postal code:			
Telephone:			
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 3**.

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014), written consent of landowner/s must be submitted in **APPENDIX 3**.

The originally signed declaration undertaking by the applicant must be submitted as **APPENDIX 9**.

Provincial Environmental Authority:	Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA)		
Name of contact person:	Grace Mkhosana		
Postal address:	Private Bag X 20801, Bloemfontein		
Postal code:	9300	Cell:	
Telephone:	051 400 4812	Fax:	051 400 4842
E-mail:	mkhosana@destea.gov.za		

Local Municipality:	Moghaka Local Municipality		
Name of contact person in (Environmental Section):	Andre Kotze (Manager Spatial Planning)		
Postal address:	Private Bag x 503, Kroonstad		
Postal code:	9500	Cell:	072 796 9495
Telephone:	056 216 9154	Fax:	086 523 7620
E-mail:	andre@moghaka.gov.za		

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/Provincial Authorities with their contact details as **APPENDIX 4**.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	Nemai Green (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
EAP name:	Donavan Henning		
EAP Qualifications:	MSc Freshwater Ecology		
Professional affiliation/registration:	<ul style="list-style-type: none"> Registered EAP (EAPASA Reg. no. 2020/1217) Registered Professional Natural Scientist (SACNASP Reg no: 400108/17) 		
Physical address:	No. 147 Bram Fischer Drive, Ferndale, 2194		
Postal address:	P.O. Box 1673, SUNNINGHILL		
Postal code:	2157	Cell:	082 891 0604
Telephone:	011 781 1730	Fax:	011 781 1731
E-mail:	donavanh@nemai.co.za		

The appointed EAP must meet the requirements of Regulation 13 of the EIA Regulations, 2014 as amended. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **APPENDIX 10**.

5. PROJECT DESCRIPTION

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

A. Introduction

Electricity generation sources need to be diversified to ensure security of supply and reduction in the carbon footprint created by the current heavy reliance of South Africa (SA) on coal to produce electricity. The electricity demand is increasing in SA, and in order to match that demand there is a need to supply a diversified power generation that includes renewable energy technologies. These technologies include solar, wind, small utility scale hydro, biomass, biogas and energy storage that the Department of Mineral Resources and Energy (DMRE) intends to develop and implement as identified in the approved Integrated Resource Plan (IRP) 2019.

EnergyTEAM (Pty) Ltd (the Applicant) has proposed the development of the Altina 120MW Solar PV with 40MW BESS Project near the town of Orkney, in the Free State Province. The site falls within the Klerksdorp Renewable Energy Development Zone (REDZ), as published in Government Notice No. 142 of 26 February 2021. The electricity generated by the Project will be injected into the existing Eskom 132 kV distribution system.

The Applicant intends to bid for the current and future Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows and /or other renewable energy markets within SA.

B. Project Overview

PV technology produces direct current (DC) which is then converted to alternating current (AC) via power electronic inverters. **Figure 1** below provides an overview of a typical Solar PV Power Plant project.

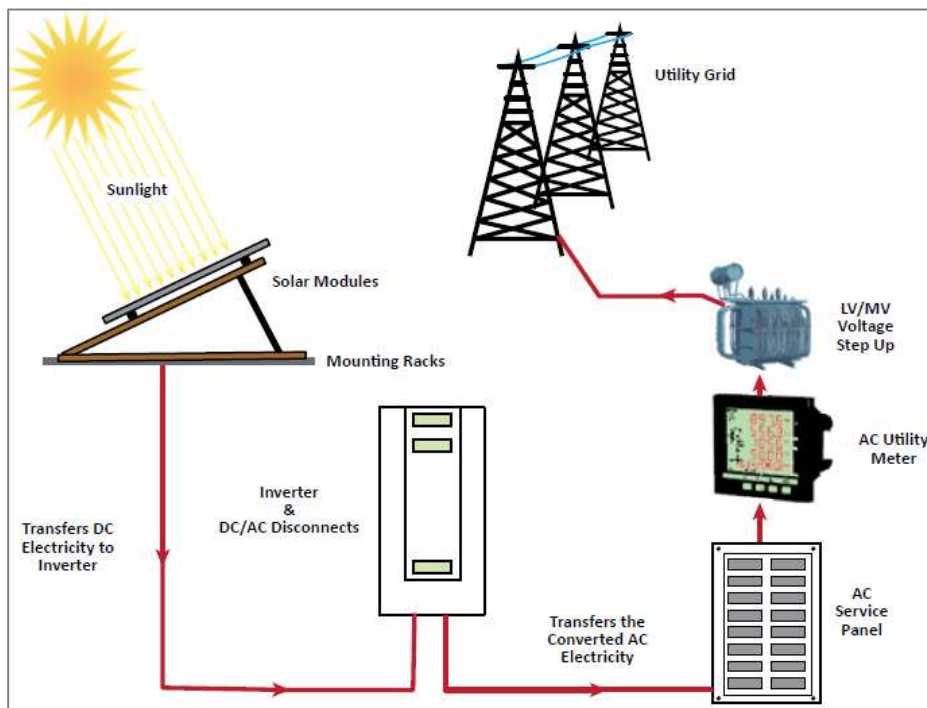


Figure 1: Overview of Solar PV Power Plant

(International Finance Corporation, 2015. Utility-Scale Solar Photovoltaic Power Plants)

The Project is located in the northern part of the Free State Province and falls within the Fezile Dabi District Municipality and Moqhaka Local Municipality. The site is located approximately 7km to the south of the town of Orkney and is bordered to the north by the R76.

The proposed Project consists of the following systems, sub-systems or components (amongst others) (refer to layout provided in **Figure 2** below, and **Appendix 7**):

- PV panel arrays, which are the subsystems which convert incoming sunlight into electrical energy;
- Mounting structures to support the PV panels;
- On-site inverters to convert DC to facilitate AC connection between the solar energy facility and electricity grid;

- ❑ Lithium Ion BESS;
- ❑ New 132 kV power lines between the on-site substation(s) and the grid connection point;
- ❑ Cabling between the Project's components, to be laid underground (where practical);
- ❑ Administration Buildings (Offices);
- ❑ Workshop areas for maintenance and storage;
- ❑ Temporary laydown areas;
- ❑ Internal access roads and perimeter fencing of the footprint;
- ❑ High Voltage (HV) Transformers; and
- ❑ Security Infrastructure.

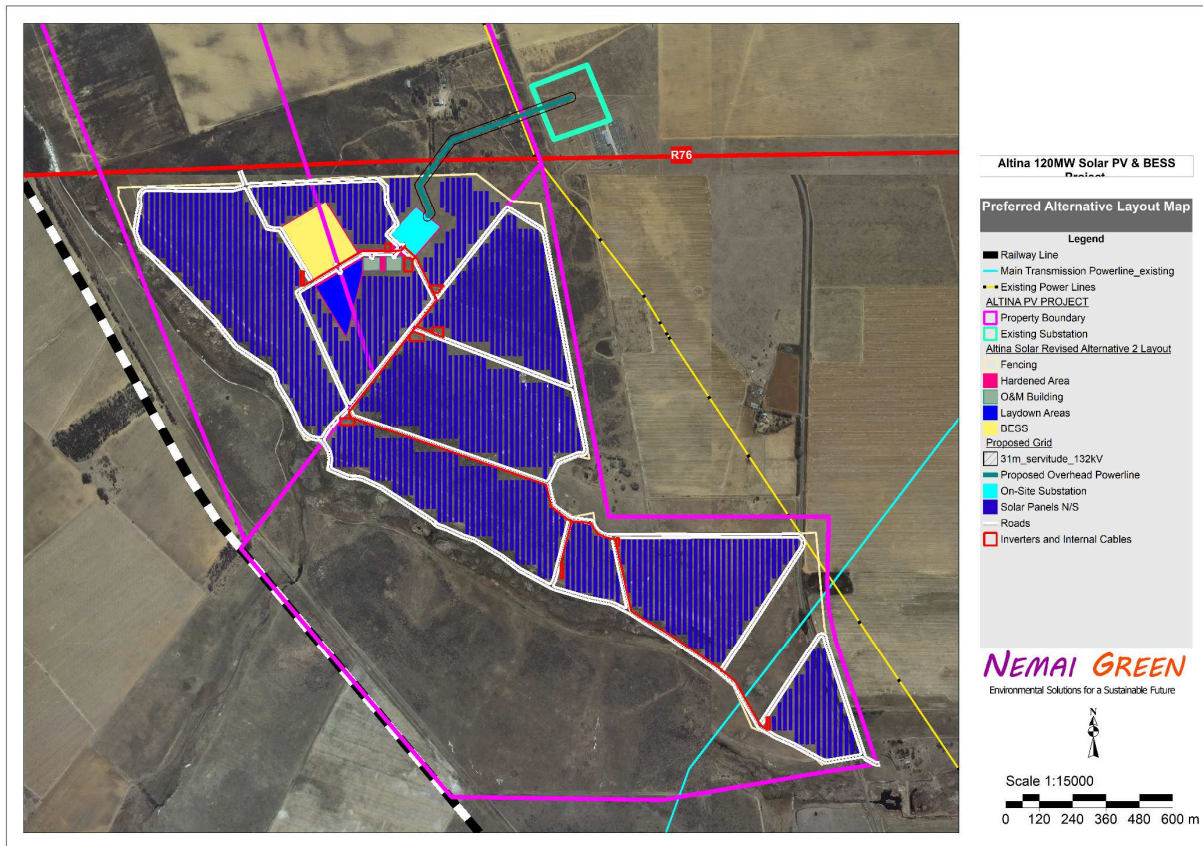


Figure 2: Layout of proposed Project Preferred Alternative

The electricity generated by the proposed PV facility will be transferred to the existing Eskom 132 kV distribution system. The Project intends to connect to the existing 88kV/132kV Jersey Distribution Substation, which is located less than 1km to the immediate north-east of the site.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	YES	
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES	
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?		NO
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP		

If **YES**, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
- For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 5** and **attach** the confirmation of SIP applications from the relevant sector representative in **APPENDIX 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

Please indicate which sector the project falls under by ticking the relevant block in the table below:

Table 1: National Sector Classification in terms of Regulation 9 of the EIA Regulations, 2014 as amended

1	Infrastructure /Transport Services/Roads – Public	42	Services/Waste Management Services/Disposal facilities - General
2	Infrastructure /Transport Services/Roads – Private	43	Services/Waste Management Services/Treatment facilities - Hazardous
3	Infrastructure /Transport Services/Rail – Public	44	Services/Waste Management Services/Treatment facilities - General
4	Infrastructure /Transport Services/Rail – Private	45	Services/Waste Management Services/Storage Facilities - General
5	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Commercial	46	Services/Waste Management Services/Storage Facilities - Hazardous
6	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Private	47	Services/Waste Management Services/Storage Facilities - Nuclear
7	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Public Services	48	Services/Burial and cemeteries - Cemeteries
8	Infrastructure /Transport Services - Ports	49	Services/Burial and cemeteries - Cremators
9	Infrastructure /Transport Services - Inland Waterways	50	Services/Water services/Storage - Dams
10	Infrastructure /Transport Services - Marina	51	Services/Water services/Storage - Reservoirs
11	Infrastructure /Transport Services - Canal	52	Services/Water services - Desalination
12	Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/Development Setback/100M Inland/or coastal public property.	53	Services/Water services - Treatment & Waste Water
13	Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides	54	Services - Hospitality
14	Infrastructure /Localised infrastructure - Cableway or Funiculars	55	Mining - Prospecting rights

15	Infrastructure /Localised infrastructure – Billboards	56	Mining - Mining Permit
16	Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Gas	57	Mining - Mining Right
17	Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Petroleum	58	Mining/Exploration Right - Gas or Oil Marine
18	Infrastructure /Localised infrastructure/Storage/Dangerous good – Chemicals	59	Mining/Exploration Right - Gas or Oil Terrestrial
19	Utilities Infrastructure/Pipelines/water - Fresh/Storm Water	60	Mining/Production Right - Gas or Oil Marine
20	Utilities Infrastructure/Pipelines/water - Waste Water	61	Mining/Production Right - Gas or Oil Terrestrial
21	Utilities Infrastructure/Pipelines/Dangerous Goods - Chemicals	62	Mining/Underground gasification of coal - Oil
22	Utilities Infrastructure/Pipelines/Hydrocarbon – Petroleum	63	Mining/Beneficiation - Hydrocarbon
23	Utilities Infrastructure/Pipelines/Hydrocarbon - Gas	64	Mining/Beneficiation - Mineral
24	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Tower	65	Agriculture/Forestry/ Fisheries - Crop Production
25	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Mast	66	Agriculture/Forestry/ Fisheries - Animal Production
26	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Receivers	67	Agriculture/Forestry/ Fisheries - Afforestation
27	Utilities Infrastructure - Marine Cables	68	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Alien
28	Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon – Petroleum	69	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Indigenous

29	Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon – Coal		70	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Alien	
30	Utilities Infrastructure/Electricity /Generation/Non Renewable - Nuclear		71	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Indigenous	
31	Utilities Infrastructure/Electricity /Generation/Renewable - Hydro		72	Agriculture/Forestry/ Fisheries - Agro-Processing	
32	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	✓	73	Transformation of land - Indigenous vegetation	✓
33	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP		74	Transformation of land - From open space or Conservation	
34	Utilities Infrastructure/Electricity /Generation/Renewable - Wind		75	Transformation of land - From agriculture or afforestation	
35	Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels		76	Transformation of land - From mining or heavy industrial areas	
36	Utilities Infrastructure/Electricity /Generation/Renewable - Wave		77	Any activities within or close to a watercourse	✓
37	Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	✓	78	Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	
38	Utilities Infrastructure/Electricity /Distribution and Transmission – Substation	✓	79	Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	
39	Utilities Infrastructure/Gas /Distribution and Transmission – Compressor Station		80	Activity requiring permit or licence - Marine Effluent	
40	Services/Waste Management Services/Disposal facilities - Hazardous		81	Activity requiring permit or licence - Fresh Water Effluent	
82	Release of Genetically Modified Organisms				

Table 1

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.		NO
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		
Not applicable.		

6. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Free State
District Municipality/ies	Fezile Dabi District Municipality
Local Municipality/ies	Moghaka Local Municipality
Ward number/s	Ward 22
Nearest town/s	Orkney
Farm name/s and number/s	Refer to Appendix 6 for a list of the properties affected by the proposed project.
Portion number/s	

Surveyor General 21 digit code:

(If there are more than 4, please attach a list with the rest of the codes as **APPENDIX 6**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **APPENDIX 6**.)

Refer to Appendix 6 for the 21-digit Surveyor General Numbers of the affected properties.				
1	2	3	4	5

Locality map:	<p>A locality map must be attached to the application form, as APPENDIX 7. The scale of the locality map must be 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 include the following:</p> <ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • a legend; • the prevailing wind direction; • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
Project Plan (e.g. Gantt chart)	<p>A project schedule must be submitted as APPENDIX 8, and must include milestones for:</p> <ul style="list-style-type: none"> • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments);

	<ul style="list-style-type: none"> the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). <p>Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations. Possible appeals may impact on project timeframes/milestones. Regulation 45 states that “An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7).” It is recommended that the Department be approached for guidance on the process to be followed, prior to submitting an application.</p>
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7. ACTIVITIES APPLIED FOR

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN327 Activity 11(i)	<p>The development of facilities or infrastructure for the transmission and distribution of electricity—</p> <p><u>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or</u></p> <p>(ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more;</p> <p>excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude;</p> <p>and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	<p>Proposed 132kV overhead power line outside an urban area, of approximately 779 m in length, linking the proposed solar facility to the existing Eskom Substation.</p> <p>Proposed on-site substation with capacity of 160MW, 132 kV/22kV.</p>
GN327 Activity 12(ii) (a) (c)	<p>The development of—</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p><u>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</u></p> <p>where such development occurs—</p> <p><u>(a) within a watercourse;</u></p> <p>(b) in front of a development setback; or</p> <p><u>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —</u></p> <p>excluding—</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not</p>	<p>Encroachment of project-related infrastructure into wetlands and within 32m of watercourses.</p> <p>This activity may be triggered for the development infrastructure and rehabilitation activities where erosion control structures may be constructed within wetland areas or within 32m of watercourses.</p>

	<p>increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>	
GN327 Activity 19	<p>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving—</p> <p>(a) will occur behind a development setback;</p> <p>(b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</p> <p>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</p> <p>(d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>(e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	Encroachment of project-related infrastructure into wetlands. This activity may also be triggered during rehabilitation of wetlands.
GN327 Activity 24(ii)	<p>The development of a road—</p> <p>(i) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or</p> <p><u>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</u></p> <p>but excluding a road—</p> <p>(a) which is identified and included in activity 27 in Listing Notice 2 of 2014;</p> <p>(b) where the entire road falls within an urban area; or</p> <p>(c) which is 1 kilometre or shorter.</p>	<p>New roads required for the Project (construction and operational phases).</p> <p>Internal Roads will have a 12m reserve and a road width of 4m – 10m.</p>
GN327 Activity 27	<p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of areas associated with the construction footprint.</p> <p>Approximately 9 ha to be cleared for hardstanding infrastructure. Only the support legs of the PV panels will impact on the clearance of vegetation.</p>

GN327 Activity 28(ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.	Footprint of Project on land that was previously used for agricultural purposes, outside of an urban area, with a footprint of approximately 180 ha.
GN No. R.983 – Activity 56 (i & ii)	The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre- (i) where the existing reserve is wider than 13,5 meters; or (ii) where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.	Internal roads (existing farm roads) within the PV site to be incorporated as far as possible and may be lengthened and widened.
Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN325 Activity 1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs - (a) within an urban area; or (b) on existing infrastructure.	The proposed Project involves the development of a PV facility with a total generation capacity of 120MW renewable solar energy with 40MW BESS.
GN325 Activity 15	The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Cumulative area to be cleared for entire Project (except linear components) will exceed 20 hectares.
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN324 Activity 4 - (b)(i)(cc) & (ee)	The development of a road wider than 4 metres with a reserve less than 13,5 metres. b. Free State i. Outside urban areas: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority; (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	Sections of the Project's new roads encroach into the following sensitive areas: • Critical Biodiversity Area (CBA) 1 in terms of the Free State Biodiversity Plan.
GN324 Activity 12 - (b)(i), (ii) & (iv)	The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for	Clearance of areas of indigenous vegetation as part of the development footprint within the following sensitive areas:

	<p>maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>b. Free State</p> <p>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004</p> <p>ii. Within critical biodiversity areas identified in bioregional plans;</p> <p>iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.</p>	<ul style="list-style-type: none"> • Areas consisting of an endangered ecosystem (Vaal-Vet Sandy Grassland according to SANBI, 2011); • CBA 1; and • 100 m from the edge of a watercourse or wetland.
<p>GN324 Activity 14(ii) - (b)(i)(dd) & (ff)</p>	<p>The development of—</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or</p> <p><u>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</u></p> <p>where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>b. Free State</p> <p>i. Outside urban areas:</p> <p>(dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>Development footprint within watercourse(s) / within 32 m from watercourse(s) within the following sensitive areas:</p> <ul style="list-style-type: none"> • CBA 1 <p>This activity will be triggered for the development infrastructure for the Project and rehabilitation activities where erosion control structures may be constructed.</p>
<p>GN No. R.985 – Activity no. 18(b)(i)(ee) & (hh)</p>	<p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>b. Free State</p> <p>i. Outside urban areas:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(hh) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.</p>	<p>Internal roads (existing farm roads) within the PV site to be incorporated as far as possible and may be lengthened and widened, within CBAs and within 100 m from the edge of a watercourse or wetland.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Only those activities listed above shall be considered for authorisation. The onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity.

Coordinate points indicating the location of each listed activity must be provided as part of **APPENDIX 6** as well part of the reports to be submitted. Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

8. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of the EIA Regulations, 2014 as amended.

A. PROJECT ANNOUNCEMENT

Upfront project announcement was undertaken from 31 March to 5 May 2022, prior to the submission of the Application to DFFE.

The following tasks were undertaken during project announcement:

- Compiling a database of authorities and Interested and Affected Parties (I&APs).
- Providing written notices to I&APs by –
 - (a) Fixing notice boards at places conspicuous to and accessible by the public within the project footprint.
 - (b) Giving written notice to-
 - (i) The occupiers and owners of the sites 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, as relevant;
 - (iii) The Municipal Councillors of the affected municipal Wards;
 - (iv) Formal organisations or groups in the area;
 - (v) The Moqhaka Local Municipality and Fezile Dabi District Municipality, which have jurisdiction in the area;
 - (vi) Any organ of state having jurisdiction in respect of any aspect of the activity; and
 - (vi) Any other party as required by DFFE.
 - (c) Place an advert in a local newspaper.
 - (d) A Comments and Response Reports (CRR) will be compiled and updated throughout the process. All comments received during the announcement phase will be included in the CRR, which will be appended to the draft Basic Assessment Report (BAR).

B. REVIEW OF DRAFT BAR

1) Access to the Draft BAR

The draft BAR was uploaded to Nemai Green's website and a hardcopy was placed at public place, namely, the public library in Orkney.

Copies of the draft BAR were also be distributed to key authorities with jurisdiction, including the following:

- DFFE (including Biodiversity Conservation Unit);
- Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA);
- Department of Water and Sanitation (DWS): Free State Region;
- Department of Mineral Resources and Energy (DMRE);
- Free State Department of Police, Roads and Transport (DPRT);
- Free State Provincial Heritage Resources Agency (FSHRA);
- Fezile Dabi District Municipality; and
- Moqhaka Local Municipality.

2) Notification of Review

Authorities and registered I&APs were notified in writing of the review of the draft BAR. All notifications were sent via email and/or as registered mail. Authorities and I&APs were be provided 30 days to comment on the draft BAR from 16 September to 17 October 2022.

C. REVIEW OF AMENDED DRAFT BAR

Comments received from the DFFE necessitated the inclusion of new information and the amendment of the draft BAR. Therefore, a second 30-day public and authorities review period will be undertaken of the amended draft BAR.

1) Access to the Amended Draft BAR

The amended draft BAR will be uploaded to Nemai Green's website and a hardcopy will be placed at public place, namely, the public library in Orkney.

Copies of the amended draft BAR will also be distributed to key authorities with jurisdiction, including the following:

- DFFE (including Biodiversity Conservation Unit);
- Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA);
- Department of Water and Sanitation (DWS): Free State Region;
- Department of Mineral Resources and Energy (DMRE);
- Free State Department of Police, Roads and Transport (DPRT);
- Free State Provincial Heritage Resources Agency (FSHRA);
- Fezile Dabi District Municipality; and
- Moqhaka Local Municipality.

2) Notification of Review of the Amended Draft BAR

Authorities and registered I&APs will be notified in writing of the review of the amended draft BAR. All notifications will be sent via email and/or as registered mail. Authorities and I&APs will be provided 30 days to comment on the amended draft BAR.

D. NOTIFICATION OF DECISION

Registered I&APs will be notified in writing of DFFE's decision and of the appeal process, in accordance with the National Appeal Regulations, 2014.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES	<input checked="" type="checkbox"/>
If YES, please indicate the following:			
Competent Authority	Former DEA		
Application Reference Number	14/12/16/3/3/2/450		
Project Name	Proposed Keren property holdings Rietvlei solar plant on Farm NR 539 in the Viljoenskroon district within Moqhaka Local Municipality, Free state		
Please provide details of the steps taken to ascertain this information:			
According to the SA Renewable Energy EIA Application (REEA) Database, an application was made on Portion 0 of the Farm Rietvlei 539 (ref. no. 14/12/16/3/3/2/450). The status is reflected as "Withdrawn/Lapsed".			

IF YES IS SELECTED, PLEASE ATTACH OTHER AUTHORISATIONS ISSUED.

We were unable to locate a copy of the authorisation

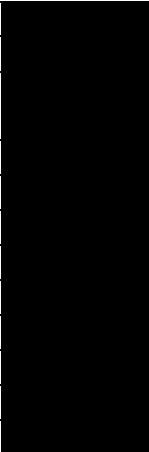
Applications in terms of the National Environmental Management Act (“NEMA”) & specific environmental management Acts (“SEMA’s”):

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED
Is Section 50(5) of the National Environmental Management: Protected Areas Act applicable to your proposed development? (The proposed development is within a proclaimed protected area as defined the Act.)		NO	
National Water Act (Act No. 36 of 1998)	YES		NO
National Environmental Management: Air Quality Act (Act No. 39 of 2004)		NO	
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	<i>To be confirmed</i>		NO
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)		NO	
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)		NO	
National Environmental Management: Waste Act (Act No. 59 of 2008)		NO	
Others: Please specify	YES		
National Heritage Resources Act (Act No. 25 of 1999)		NO	


Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**. **An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities;**
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority prior to an Application for Environmental Authorisation being lodged with the Competent Authority; and
- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form. If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes	YES	
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES	
APPENDIX 3	List of land owners (with contact details) and written consent of land owners.	YES	
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	YES	
APPENDIX 5	Strategic Infrastructure Projects	YES	
APPENDIX 6	List of SGIDs and coordinates	YES	
APPENDIX 7	Locality map	YES	
APPENDIX 8	Project schedule	YES	
APPENDIX 9	Declaration of Applicant	YES	
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES	
APPENDIX 11	Screening Tool Report	YES	
APPENDIX 12	Undertaking under Oath / Affirmation	YES	

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

	DRAFT MINUTES Pre-Application Meeting with the Department of Forestry, Fisheries and the Environment (DFFE)	Queries:	Donavan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nema.co.za
Applicant:	Genesis Eco-Energy Developments (Pty) Ltd	Project Name:	Proposed Solar Photovoltaic (PV) Projects in the Free State Province: 1. Altina 120MW Solar PV Project near the town of Orkney 2. Parys 360MW Solar PV Project near the town of Parys 3. Paradise 100MW Solar PV Project south of Bloemfontein
Date:	18 November 2021	Time:	11:00 AM - 12:00 PM
Facilitator:	D. Henning	Venue:	Microsoft Teams Meeting

Note: These minutes are not intended as a verbatim transcript of the meeting, but rather as a summary of the salient discussions which took place.

A. ATTENDANCE

Attendees	Organisation	Email
Lerato Mokoena	DFFE	lmokoena@dffe.gov.za
Azrah Essop	DFFE	aessop@dffe.gov.za
Kaven Chetty	Genesis Eco-Energy Developments (Pty) Ltd	kaven.chetty@genesis-eco.com
Donavan Henning	Nemai Consulting (Pty) Ltd	donavanh@nema.co.za

Apologies

- Jay-Jay Mpelane (DFFE);
- Constance Musemburi (DFFE).

B. DISCUSSION

Item.	Description	Action	Target Date
1.	<u>WELCOME AND INTRODUCTION</u>		
1.1	The Pre-Application Meeting with the Department of Forestry, Fisheries and the Environment (DFFE) for the proposed Altina 120MW, Parys 360MW and Paradise 100MW Solar Photovoltaic (PV) Projects in the Free State Province commenced at approximately 11H00. D. Henning, who is the appointed Environmental Assessment Practitioner (EAP), acted as the facilitator for the meeting and requested a round of introductions.	-	-
2.	<u>PURPOSE OF THE MEETING</u>		
2.1	D. Henning indicated that the objectives of the meeting included the following: <ul style="list-style-type: none"> • To present an overview of the Solar PV Projects to DFFE; • To seek clarification regarding certain matters that pertain to the Environmental Assessment Processes; and • To determine DFFE's requirements. 	-	-

Item.	Description	Action	Target Date
3	<u>CONFIRMATION OF AGENDA</u>		
3.1	The agenda was accepted without any amendments.	-	-
4.	<u>PROJECT OVERVIEW</u>		
4.1	D. Henning provided an overview of the proposed Project (refer to the presentation contained in Appendix A).	-	-
5.	<u>RENEWABLE ENERGY DEVELOPMENT ZONES</u>		
5.1	D. Henning indicated that the proposed Altina 120MW Solar PV Project is located within the Klerksdorp Renewable Energy Development Zone (REDZ).	-	-
6.	<u>OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESSES</u>		
6.1	Basic Assessment Process Outline & Timeframes (Altina120MW Solar PV Project)		
6.1.1	D. Henning presented the approach to the Basic Assessment Process, as well as the associated timeframes, for the proposed Altina120MW Solar PV Project (refer to the presentation contained in Appendix A).	-	-
6.1.2	A. Essop noted that a Public Participation Plan (PPP) first needs to be submitted to DFFE for approval before an Application for Environmental Authorisation can be submitted. D. Henning indicated that a PPP will be submitted to DFFE in due course, prior to the submission of the Application.	EAP	22/11/2021
6.1.3	L. Mokoena asked whether the Announcement Phase will include any public participation tasks that need to be included in the PPP. D. Henning confirmed that the following public participation tasks, in terms of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), will be undertaken during the Announcement Phase, which will be reflected in the PPP: <ul style="list-style-type: none"> Placing site notices; Placing a newspaper advertisement; and Sending notification emails. D. Henning further noted that following the Announcement Phase, only registered Interested and Affected Parties (I&APs) will be informed of the review of the draft Environmental Assessment Reports and site notices and newspaper advertisements will not be placed again.	-	-
6.2	Scoping and Environmental Impact Reporting Process Outline & Timeframes (Parys 360MW & Paradise100MW Solar PV Projects)		
6.2.1	D. Henning presented the approach to the Scoping and Environmental Impact Reporting Processes, as well as the associated timeframes, for the proposed Parys 360MW and Paradise100MW Solar PV Projects (refer to the presentation contained in Appendix A).	-	-
6.3	Public Participation Plan		
6.3.1	D. Henning reiterated that a PPP will be compiled, which will be submitted to DFFE prior to the lodging of the Applications.	-	-

Item.	Description	Action	Target Date
6.3.2	D. Henning indicated that the Applicant has Option to Lease Agreements with the respective landowners. He enquired whether such these agreements would suffice in terms of the landowner consent requirement. A. Essop noted that it is up to the Applicant to decide. L. Mokoena indicated that the agreements would suffice.	-	-
6.4	Listed Activities		
6.4.1	D. Henning provided an overview of the listed activities in Listing Notices 1, 2 and 3 of the EIA Regulations of 2014 (as amended) that are thought to be triggered by the proposed Solar PV Projects. He also presented the preliminary sensitivity maps for the three sites.	-	-
6.5	Alternatives		
6.5.1	D. Henning indicated that the following alternatives may be considered for the Project: <ul style="list-style-type: none"> Layout alternatives (based on findings of specialist studies); and Technology alternatives. 	-	-
6.5.2	A. Essop stated that a motivation needs to be provided why site alternatives are not being considered.	-	-
6.6	Specialist Studies		
6.6.1	D. Henning noted that the following specialist studies were identified to assess the Project: <ul style="list-style-type: none"> Aquatic Impact Assessment and Delineation; Terrestrial Ecological Impact Assessment; Avifaunal Impact Assessment; Phase 1 Heritage Impact Assessment; Desktop Palaeontological Impact Assessment; Agricultural Impact Assessment; and Social Impact Assessment. 	-	-
6.6.2	D. Henning mentioned that according to National Web-based Environmental Screening Tool, one of the PV sites is associated with high sensitivity in terms of the RFI theme. He noted that this will be examined further.	-	-
6.6.3	A. Essop asked whether a Visual Impact Assessment will also be undertaken. D. Henning indicated that the need for this study will be considered further in light of the visual receptors surrounding the PV sites.	EAP	Tbc
6.7	Environmental Assessment Reports		
6.7.1	D. Henning indicated that the draft Basic Assessment Report (Altina 120MW Solar PV Project) and draft Scoping Reports (Parys 360MW and Paradise100MW Solar PV Projects) will be submitted to DFFE together with the Application Forms to facilitate adherence to the regulated timeframes.	-	-
6.7.2	D. Henning stated that copies of the draft Environmental Assessment Reports will be provided to authorities with jurisdiction, which include the following: <ul style="list-style-type: none"> DFFE; 	-	-

Item.	Description	Action	Target Date
	<ul style="list-style-type: none"> Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA); Department of Water and Sanitation (DWS): Free State Regional Office; Free State Department of Police, Roads and Transport (DPRT); South African National Roads Agency SOC Ltd (SANRAL); South African Heritage Resources Agency (SAHRA) / Free State Heritage Resources Authority (FSHRA); Department of Mineral Resources and Energy (DMRE); and The affected municipalities. 		
6.7.3	L. Mokoena indicated that the DFFE Biodiversity Conservation Unit must be included in the list of authorities to receive copies of the draft Environmental Assessment Reports.	-	-
6.8	Comments & Responses Report		
6.8.1	<p>D. Henning noted the following in terms of the Comments and Responses Report (CRR):</p> <ul style="list-style-type: none"> DFFE's format will be used for the CRR; The comments from the Announcement Phase and from the review of the draft Environmental Assessment Reports will be included verbatim in the respective CRR's; and Responses will be included from the Applicant, technical team, EAP and environmental specialists (as relevant) in the respective CRR's. 	-	-
6.9	BirdLife South Africa Guidelines		
6.9.1	D. Henning noted that according to the BirdLife South Africa (BLSA) Guidelines for Assessing and Monitoring the Impact of Solar Power Generating Facilities on Birds in Southern Africa, if the area to be disturbed exceeds 150 Ha then a Regime 2 avian assessment is required. He indicated that the first monitoring event of the Avifaunal Impact Assessment will determine the avian sensitivity of the site and will recommend way forward in consultation with BLSA.	-	-
6.10	Environmental Authorities Meeting		
6.10.1	D. Henning mentioned that an Environmental Authorities Meeting will be scheduled during the review of the draft Environmental Assessment Reports.	-	-
7.	<u>DFFE's REQUIREMENTS</u>		
7.1	A. Essop noted that DFFE updated the online submission document, which will be provided to the EAP when a password is received for the online system. She also noted that all templates are available on DFFE's website.	-	-
7.2	K. Chetty noted that the Applicant intends to bid for the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) Bid Window 6, which is expected to be launched by the DMRE in January 2022. He indicated that one of the key environmental consents that will be required for each Project is the Environmental Authorisation. He asked whether there is any way in which the Department's decision-making	-	-

Item.	Description	Action	Target Date
	<p>timeframes could be expedited, also considering that the Parys PV Site is located alongside a REDZ.</p> <p>L. Mokoena stated that the only way in which the process can be expedited is if the project team keeps to their programme and produces quality work. He indicated that the Department's timeframes could not be reduced and that the regulated timeframes would be followed.</p> <p>A. Essop stated that the Government Notice provides clear guidance on the process to follow when a project falls within a REDZ. She also noted that the boundaries of the gazetted REDZ cannot be changed to encompass the Parys PV Site.</p>		
8.	<u>CLOSE</u>		
8.1	The meeting was concluded at approximately 11h40.	-	-

Minutes Compiled By:

Nemai Consulting


13 December 2021

D. Henning

Date

Minutes Accepted By:

DFFE

Date

APPENDIX A

PRESENTATION



Proposed Solar Photovoltaic (PV) Projects:

Altina 120MW Solar PV Project near the town of Orkney (2021-10-0029)


Parys 360MW Solar PV Project near the town of Parys (2021-10-0030)

Paradise 100MW Solar PV Project south of Bloemfontein (2021-10-0031)

Free State Province

DFFE Pre-Application Meeting

18 November 2021





Environmental, Social and OHS Consultants

P.O. Box 1673 Sunninghill 2157 147 Bram Fisher Drive Ferndale 2194 Tel: 011 781 1730 Fax: 011 781 1731 Email: info@nema.co.za

1

AGENDA

AGENDA ITEMS
1) Welcome & Introduction
2) Apologies
3) Purpose of the Meeting
4) Project Overview
5) REDZ
6) Overview of Environmental Assessment Processes
6.1 - BA Process Outline & Timeframes (<u>Altina</u>)
6.2 - S&EIR Process Outline & Timeframes (<u>Parys & Paradise</u>)
6.3 - Public Participation Plan
6.4 - Listed Activities
6.5 - Alternatives
6.6 - Specialist Studies
6.7 - Environmental Assessment Reports
6.8 - Comments & Responses Report
6.9 - BLSA Guidelines
6.10 - Environmental Authorities Meeting
7) DFFE's Requirements
8) Closure and Way Forward

Proposed Solar PV Projects
DFFE Pre-Application Meeting
2

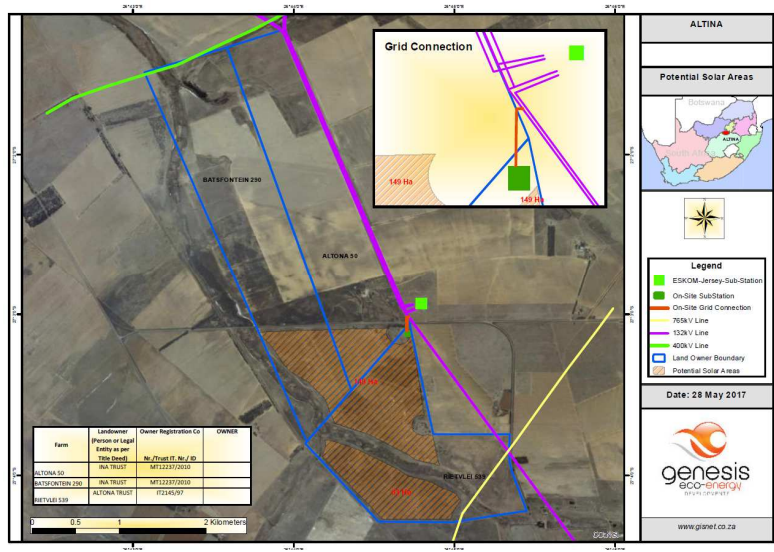
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(3) PURPOSE OF THE MEETING

- ❖ To present an overview of the Solar PV Projects to DFFE.
- ❖ To seek clarification regarding certain matters that pertain to the Environmental Assessment processes.
- ❖ To determine DFFE's requirements.
- ❖ To confirm the process and timeframes.

3

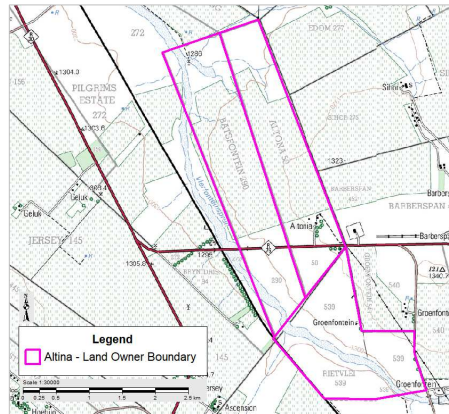
(4) PROJECT OVERVIEW - ALTINA



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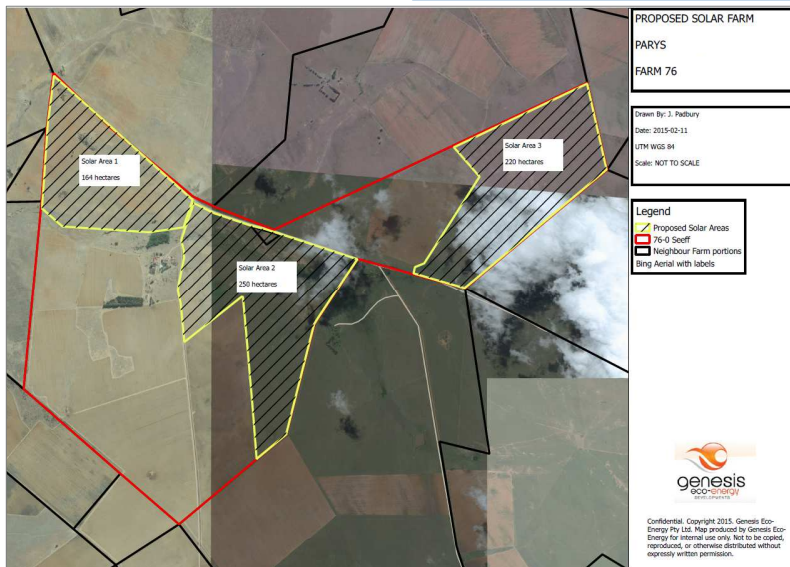
(4) PROJECT OVERVIEW - ALTINA

- Plant capacity – 120MW
- Potential Solar Areas – 149Ha and 63Ha (total of 212Ha)
- Grid connection – approximately 1km



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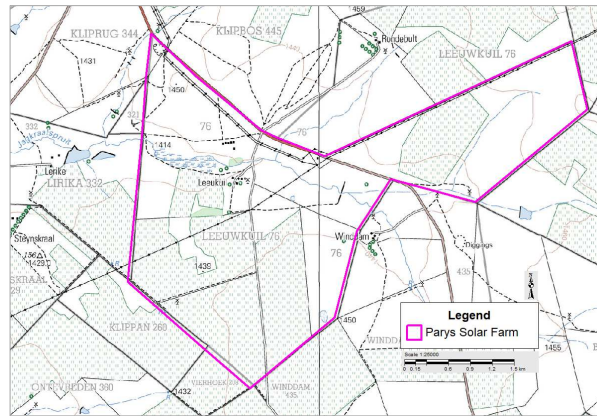
(4) PROJECT OVERVIEW - PARYS



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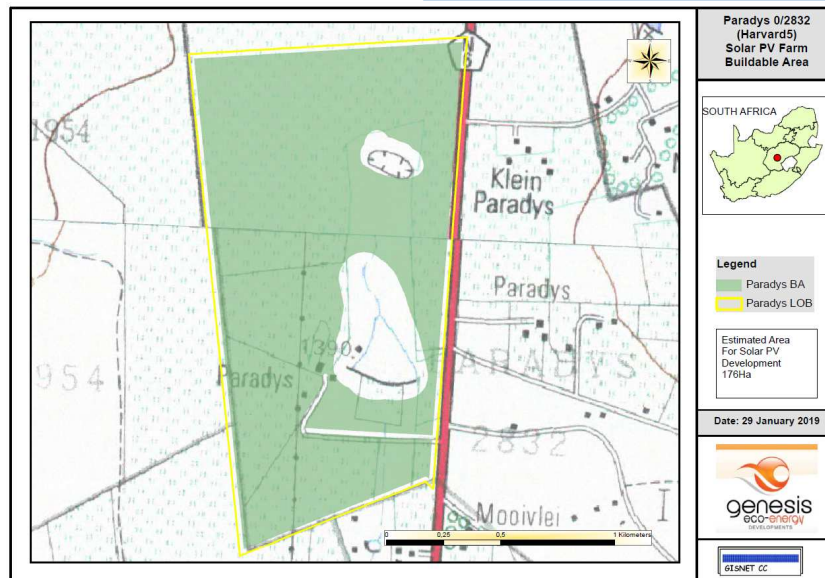
(4) PROJECT OVERVIEW - PARYS

- ❑ Plant capacity – 360MW
- ❑ Solar Area 1 – 164Ha, Solar Area 2 – 250Ha, Solar Area 3 – 220Ha
- ❑ Grid connection – approximately 5km



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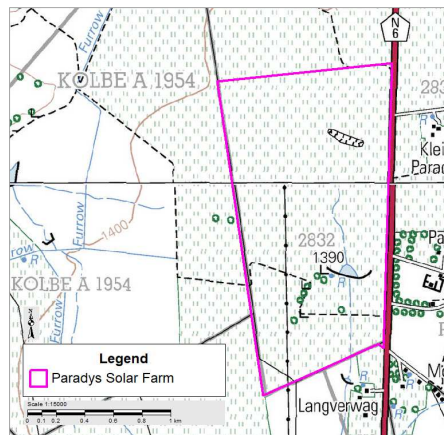
(4) PROJECT OVERVIEW - PARADISE



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(4) PROJECT OVERVIEW - PARADISE

- Plant capacity – 100MW
- Potential Solar Area – 176Ha
- Grid connection – approximately 5km



Proposed Solar PV Projects

DFFE Pre-Application Meeting

9

9

(4) PROJECT OVERVIEW

- ❖ The proposed projects will be submitted for **Bid Window 6**
- ❖ The proposed Projects consists of the following (amongst others):
 - PV panel arrays, which are the subsystems which convert incoming sunlight into electrical energy;
 - Mounting structures to support the PV panels;
 - On-site inverters to convert the DC to facilitate the AC connection between the solar energy facility and the electricity grid;
 - New 132 kV power lines between the on-site substation(s) and the grid connection point;
 - Cabling between the Project's components, to be laid underground (where practical);
 - Administration Buildings (Offices);
 - Workshop areas for maintenance and storage;
 - Temporary laydown areas;
 - Internal access roads and perimeter fencing of the footprint area;
 - High Voltage (HV) Transformers; and
 - Security Infrastructure.

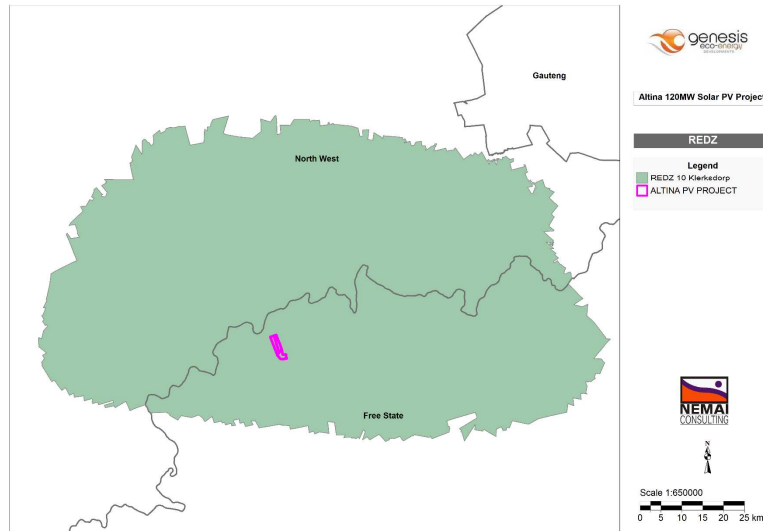
Proposed Solar PV Projects

DFFE Pre-Application Meeting

10

10

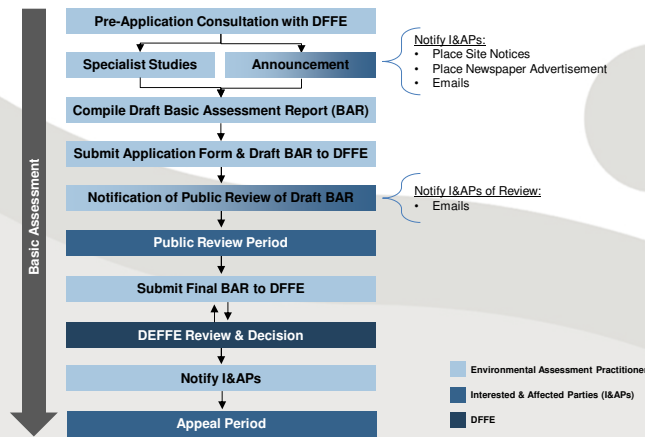
(5) RENEWABLE ENERGY DEVELOPMENT ZONES



11

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.1 - BA Process Outline (Altina)



12

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

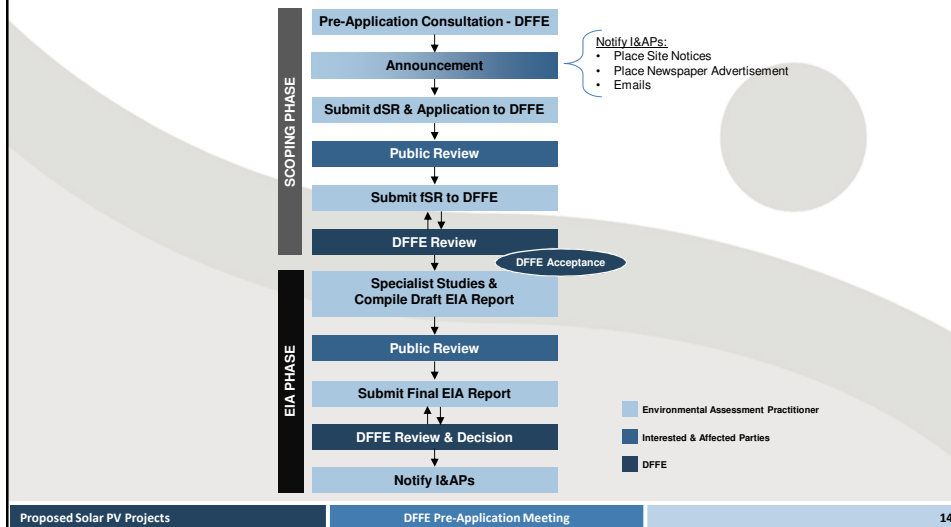
6.1 - BA Process Timeframes (Altina)

ID	Task Name	Duration	Start	Finish	Predecessors	11 October 27-09	13-12	21 March 28-02	16-05
2	DFFE Pre-application Meeting	1 day	Thu 18-11-21	Thu 18-11-21					
3	Basic Assessment	116 days	Mon 22-11-21	Tue 24-05-22					
4	Public Participation - Announcement Phase	30 days	Mon 22-11-21	Mon 24-01-22					
5	Compile I&AP Database	3 days	Mon 22-11-21	Wed 24-11-21					
6	Compile Notifications and BID	2 days	Thu 25-11-21	Fri 26-11-21	5				
7	Place Onsite and Newspaper Notices, Distribute BID	2 days	Mon 29-11-21	Tue 30-11-21	6				
8	30-day I&AP Registration Period	23 days	Wed 01-12-21	Mon 24-01-22	7				
9	Application Form	6 days	Mon 10-01-22	Mon 17-01-22					
10	Compile Application Form	3 days	Mon 10-01-22	Wed 12-01-22					
11	Project Team Review & Revision	3 days	Thu 13-01-22	Mon 17-01-22	10				
12	Basic Assessment Report	69 days	Mon 22-11-21	Fri 18-03-22					
13	Specialist Studies	30 days	Mon 22-11-21	Mon 24-01-22					
14	Compile Draft BAR	5 days	Tue 25-01-22	Mon 31-01-22	13				
15	Project Team Review & Revision	3 days	Tue 01-02-22	Thu 03-02-22	14				
16	Submit Draft BAR & Application Form to DFFE	1 day	Fri 04-02-22	Fri 04-02-22	15				
17	Notification of Review	3 days	Mon 07-02-22	Wed 09-02-22	16				
18	Authorities & Public Review	24 days	Thu 10-02-22	Tue 15-03-22	17				
19	Finalise & Submit Final BAR to DFFE	3 days	Wed 16-03-22	Fri 18-03-22	18				
20	Decision-making	47 days	Mon 21-03-22	Tue 24-05-22	19				
21	DFFE Review & Decision	42 days	Mon 21-03-22	Tue 17-05-22	19				
22	Notify I&APs of Decision	5 days	Wed 18-05-22	Tue 24-05-22	21				

13

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.2 - S&EIR Process Outline (Parys & Paradise)



14

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.2 - S&EIR Process Timeframes (Parys & Paradise)

ID	Task Name	Duration	Start	Finish	Predecessors	11 October 27-09	31 March 13-12 29-02 16-05	31 Septemr 01-08 17-10
1	Request DFFE Pre-Application Meeting	1 day	Fri 29-10-21	Fri 29-10-21				
2	DFFE Pre-application Meeting	1 day	Thu 18-11-21	Thu 18-11-21				
3	Public Participation - Announcement Phase	30 days	Mon 22-11-21	Mon 24-01-22				
4	Complete I&AP Database	3 days	Mon 22-11-21	Wed 24-11-21				
5	Compile Notifications and BID	2 days	Thu 25-11-21	Fri 26-11-21	4			
6	Place Online and Newspaper Notices, Distribute BID	2 days	Mon 29-11-21	Tue 30-11-21	5			
7	30-day I&AP Registration Period	23 days	Wed 01-12-21	Mon 24-01-22	6			
8	Scoping Phase	98 days	Mon 22-11-21	Thu 28-04-22				
9	Confirm Listed Activities & Complete Application Form & Screening	8 days	Mon 22-11-21	Wed 01-12-21				
10	Compile Draft Scoping Report	17 days	Thu 02-12-21	Mon 17-01-22	9			
11	Client Review & Amendments	5 days	Tue 18-01-22	Mon 24-01-22	10			
12	Notification of Review	3 days	Tue 25-01-22	Thu 27-01-22	11			
13	Submit Application Form & Draft Scoping Report to DFFE	1 day	Fri 28-01-22	Fri 28-01-22	12			
14	Authorities & Public Review	23 days	Mon 31-01-22	Wed 02-03-22	13			
15	Finalise Scoping Report	5 days	Thu 03-03-22	Wed 09-03-22	14			
16	Submit Final Scoping Report to DFFE	2 days	Thu 10-03-22	Fri 11-03-22	15			
17	DFFE Review and Acceptance	34 days	Mon 14-03-22	Thu 28-04-22	16			
18	EIA Phase	162 days	Mon 14-03-22	Tue 25-10-22				
19	EIA Report	80 days	Mon 14-03-22	Fri 01-07-22				
20	Mobilise Specialists	3 days	Mon 14-03-22	Wed 16-03-22	16			
21	Specialist Studies	25 days	Thu 17-03-22	Wed 20-04-22	20			
22	Review Specialists' Report	5 days	Thu 21-04-22	Wed 27-04-22	21			
23	Specialists Update Reports	4 days	Thu 28-04-22	Tue 03-05-22	22			
24	Compile Draft EIA Report	15 days	Thu 21-04-22	Wed 11-05-22	21			
25	Client Review & Amendments	5 days	Thu 12-05-22	Wed 18-05-22	24			
26	I&APs Review of Draft EIA Report	26 days	Thu 19-05-22	Thu 23-06-22				
27	Notification of Review	3 days	Thu 19-05-22	Mon 23-05-22	25			
28	Authorities and I&APs Review of Draft EIA Report	23 days	Tue 24-05-22	Thu 23-06-22	27			
29	Finalise EIA Report	5 days	Fri 24-06-22	Thu 30-06-22	28			
30	Submit Final EIA Report & EMP to DFFE	1 day	Fri 01-07-22	Fri 01-07-22	29			
31	DFFE Review and Decision	77 days	Mon 04-07-22	Tue 18-10-22	30			
32	Notify I&APs of Decisions	5 days	Wed 19-10-22	Tue 25-10-22	31			

Proposed Solar PV Projects

DFFE Pre-Application Meeting

15

15

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.3 - PUBLIC PARTICIPATION PLAN

- ❖ A PP Plan will be compiled in terms of the following:
 - ❑ The Directions regarding measures to address, prevent and combat the spread of COVID-19.
 - ❑ Chapter 6 of the EIA Regulations of 2014, as amended.
- ❖ The PP Plan will be submitted to DFFE prior to the lodging of the Applications.
- ❖ Landowner Consent

Proposed Solar PV Projects

DFFE Pre-Application Meeting

16

16

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.4 - LISTED ACTIVITIES

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN983 Activity 11(i)	The development of facilities or infrastructure for the transmission and distribution of electricity— (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more	The capacity of the proposed power lines will be 132 kilovolts, outside an urban area.
GN983 Activity 12(i)(a) & (c)	The development of— (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	Possible crossing of watercourses by access or internal road network, as well as PV Solar infrastructure.
GN983 Activity 19	The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving— (a) will occur behind a development setback; (b) is for maintenance purposes undertaken in accordance with a maintenance management plan; (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies; (d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or (e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.	Possible crossing of watercourses by access or internal road network, as well as PV Solar infrastructure.
GN983 Activity 24(i)	The development of a road - (i) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 345 of 2010; or (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres; but excluding a road - (a) which is identified and included in activity 27 in Listing Notice 2 of 2014; (b) where the entire road falls within an urban area; or (c) which is 1 kilometre or shorter.	Access roads (construction and operational phases) are expected to exceed thresholds.
GN983 Activity 27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Clearance areas associated with the construction footprint. Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.

Proposed Solar PV Projects

DFFE Pre-Application Meeting

17

17

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.4 - LISTED ACTIVITIES

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN983 Activity 28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.	Footprint of Project on land that was previously used for agricultural purposes, prior to mining, outside of an urban area.
GN983 Activity 48(i)	The expansion of - (i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or (ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100 square metres or more; where such expansion occurs - (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse	Expansion of infrastructure associated with the development with a physical footprint of 100 square metres or more within watercourse(s) / within 32 m from watercourse(s).
GN983 Activity 56	The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre- (i) where the existing reserve is wider than 13,5 meters; or (ii) where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.	Access roads (construction and operational phases). Dimensions to be confirmed.

Proposed Solar PV Projects

DFFE Pre-Application Meeting

18

18

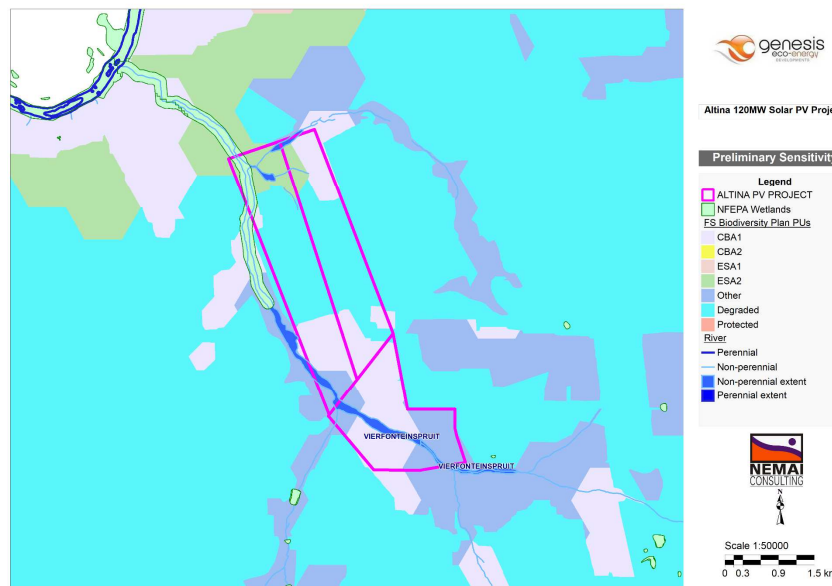
(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.4 - LISTED ACTIVITIES

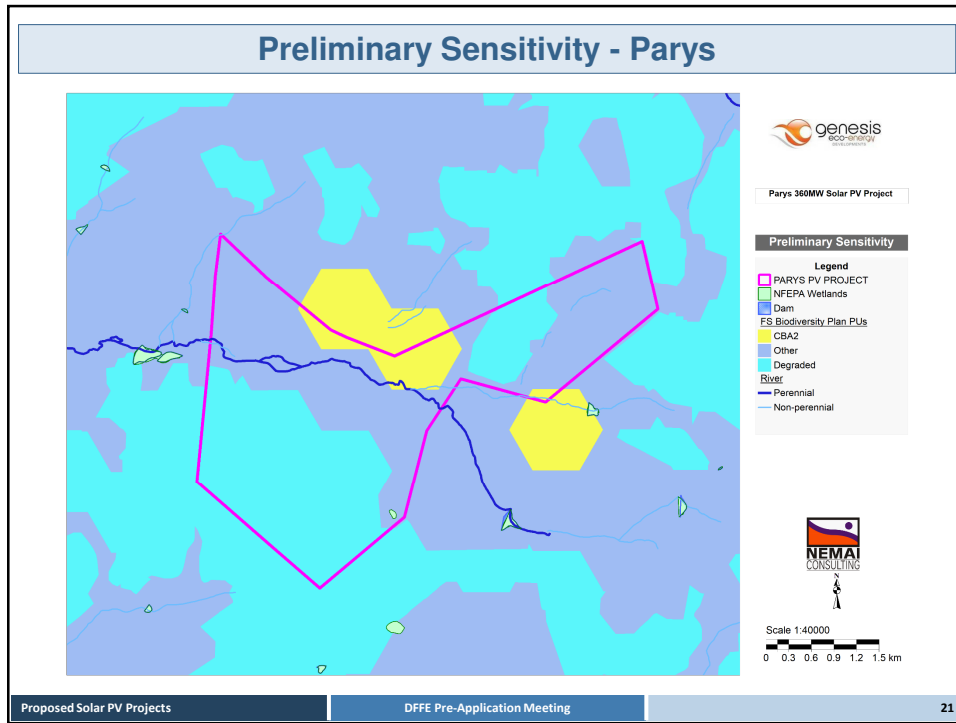
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN No. R.985 – Activity no. 4(b)(i)(ee)	The development of a road wider than 4 metres with a reserve less than 13,5 metres.	Certain sections of the access roads may encroach into Critical Biodiversity Areas (CBAs).
GN No. R.985 – Activity no. 12(b)(i), (ii) & (iv)	The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.	Clearance of large areas of indigenous vegetation as part of the construction footprint, including within areas consisting of endangered ecosystems, CBAs and within 100 m from the edge of a watercourse or wetland.
GN No. R.985 – Activity no. 14(b)(i)(ff)	The development of— (i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or (ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.	Various infrastructure within watercourse(s) / within 32 m from watercourse(s), within CBAs.
GN No. R.985 – Activity no. 18(b)(i)(ee) & (hh)	The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.	Access roads to the sites (construction and operational phases), within CBAs and within 100 m from the edge of a watercourse or wetland.
GN No. R.985 – Activity no. 23(b)(i)(ee)	The expansion of - (i) dams or weirs where the dam or weir is expanded by 10 square metres or more; or (ii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more; where such expansion occurs - (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse	Upgrade of watercourse crossings along access roads, within CBAs.

19

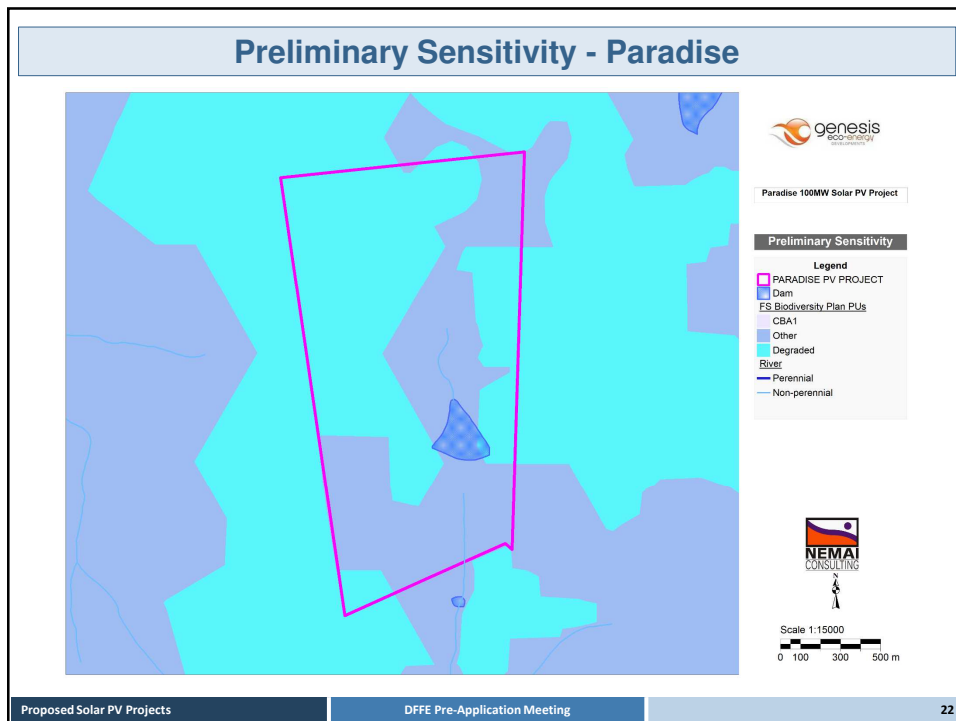
Preliminary Sensitivity - Altina



20



21



22

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.4 - LISTED ACTIVITIES

Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
GN984 Activity 1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs - (a) within an urban area; or (b) on existing infrastructure.	The project involves the development of a PV facility with a total generation capacity of more than 20MW renewable solar energy.
GN984 Activity 15	The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Cumulative area to be cleared for entire Project (except linear components) will exceed 20 hectares. Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.

23

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.5 - ALTERNATIVES

- ❖ Layout alternatives (based on findings of specialist studies).
- ❖ Technology alternatives may also be considered.



24

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.6 - SPECIALIST STUDIES

- ❖ Specialist Studies triggered:
 - Aquatic Impact Assessment and Delineation
 - Terrestrial Ecological Impact Assessment
 - Avifaunal Impact Assessment
 - Phase 1 Heritage Impact Assessment
 - Desktop Palaeontological Impact Assessment
 - Agricultural Impact Assessment
 - Social Impact Assessment
- ❖ Environmental Theme Protocols / Appendix 6 of EIA Regulations.

Proposed Solar PV Projects | DFFE Pre-Application Meeting | 25

25

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.7 – ENVIRONMENTAL ASSESSMENT REPORTS

- ❖ The draft BAR (Altina) and Scoping Reports (Parys & Paradise) will be submitted to DFFE together with the Application Forms to facilitate adherence to the regulated timeframes.
- ❖ Copies to be provided to authorities with jurisdiction –
 - DFFE
 - DESTEA
 - DWS Free State Regional Office
 - DPRT
 - SANRAL
 - SAHRA / FSHRA
 - DMRE
 - Municipalities

Proposed Solar PV Projects | DFFE Pre-Application Meeting | 26

26

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.8 - COMMENTS & RESPONSES REPORT

- ❖ DFFE's format to be used.
- ❖ Comments from Announcement Phase and review of draft reports to be included.
- ❖ All comments received will be included verbatim in the CRR.
- ❖ Responses from Applicant, technical team, EAP and environmental specialists.

Proposed Solar PV Projects | DFFE Pre-Application Meeting | 27

27

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.9 - BLSA GUIDELINES

- ❖ Avifaunal Impact Assessment:
 - If area to be disturbed > 150 Ha then a Regime 2 avian assessment is required.
 - The first monitoring event will determine the avian sensitivity of the site and will recommend way forward in consultation with BLSA.

Proposed Solar PV Projects | DFFE Pre-Application Meeting | 28

28

(6) OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESS

6.10 - ENVIRONMENTAL AUTHORITIES MEETING

- ❖ Authorities Meeting to be conducted virtually during review period of draft BAR (Altina) and draft SR & EIA Reports (Parys & Paradise).
- ❖ Meeting date to be confirmed.
- ❖ Authorities to be invited (amongst others):
 - DFFE
 - DESTEA
 - DWS Free State Regional Office
 - DPRT
 - SAHRA / FSHRA
 - DMRE
 - Municipalities

29

(7) DFFE's Requirements

30

Thank you



 **NEMAI**
CONSULTING

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Contact Person:	Donavan Henning
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Fax:	(011) 781 1731
Email:	donavanh@nemai.co.za
Postal Address:	PO Box 1673, Sunninghill, 2157

**APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**



Standard Bank
3 Simmonds Street, Johannesburg, 2001

P.O. Box 61344, Marshalltown, 2107
Tel. +27 (0) 860 123 007
Fax: +27 (011) 636 4156
Website: www.businessonline.standardbank.co.za

To: DEPARTMENT OF FORESTRY

Date: 22-07-21

Subject: Business Online PayAlert

An electronic payment has been initiated by NEMAI to your bank account, details below:

Bank:	ABSA BANK
Branch:	ABSA ELECTRONIC SETTLEMENT CNT
Account Number:	1044240072
Reference:	27.056223/26.740545
Amount:	2,000.00

Payments to Standard Bank accounts may take up to one business day to reflect.
Payments to other banks may take up to three business days. Please check your account to confirm you have received this payment.

Regards,

The Business Online team

**APPENDIX 3
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

3A. LIST OF DIRECTLY AFFECTED PROPERTIES

Farm Name	Portion / Erf	Landowner
PV Site		
BATSFONTEIN 290	0	INA TRUST
ALTONA 50	0	INA TRUST
RIETVLEI 539	0	ALTONA TRUST
Power Line		
ALTONA 50	0	INA TRUST
BARBERSPAN 452	4	ESKOM HOLDINGS LTD

3B. WRITTEN CONSENT OF LAND OWNER (PV SITE)

LANDOWNER CONSENT

Consent in terms of Regulation 39 of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), promulgated under the National Environmental Management Act (Act No. 107 of 1998) (NEMA), by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question.

CONTACT INFORMATION

Name of landowner/
person in control of the land
Trading name (if any):
Contact person:
Physical address:
Postal address:
Postal code:
Telephone:
E-mail:

INA TRUST	
INA TRUST	
Jan-Harm Steenkamp	
Aitona farm, VIERFONTEIN, 2615	
Aitona farm, VIERFONTEIN	
2615	Cell: 076 757 8338
076 757 8338	Fax: N/A
jzhsteenkamp@gmail.com	

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

INA TRUST

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

am/ are the registered owner/s of the property/ies (insert description of the property/ies and title deed numbers)

2. I/we hereby give consent to the Applicant (insert the name/s of the applicant/person/s)

Genesis Eco-Energy Developments (Pty) Ltd

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

Company Registration Number: 2013/122204/07

to undertake the following development on the property/ies:

Proposed Altina 120MW Solar Photovoltaic (PV) Project



Signature of landowner/person in control of the land or authorised representative

29.04.2022

Date

LANDOWNER CONSENT

Consent in terms of Regulation 39 of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), promulgated under the National Environmental Management Act (Act No. 107 of 1998) (NEMA), by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question.

CONTACT INFORMATION

Name of landowner/ person in control of the land	ALTONA TRUST	
Trading name (if any):	ALTONA TRUST	
Contact person:	JAN-HARM STEENKAMP	
Physical address:	Altona farm, VIERFONTEIN, 2615	
Postal address:	Altona farm, VIERFONTEIN	
Postal code:	2615	
Telephone:	Cell:	076 757 8338
E-mail:	Fax:	N/A
	j2hsteenkamp@gmail.com	

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

ALTONA TRUST

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

am/ are the registered owner/s of the property/ies (insert description of the property/ies and title deed numbers)

2. I/we hereby give consent to the Applicant (insert the name/s of the applicant/person/s)

Genesis Eco-Energy Developments (Pty) Ltd

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

Company Registration Number: 2013/122204/07

to undertake the following development on the property/ies:

Proposed Altina 120MW Solar Photovoltaic (PV) Project



Signature of landowner/person in control of the land or authorised representative

29.04.2022

Date

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

Note: See details in Section 3 above.

**APPENDIX 5
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng.
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA’s main industrial hubs • Improve access to Durban’s export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport.
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province.
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation.
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>
<p>SIP 8: Green energy in support of the South African economy</p> <p>Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>

<p>Indicate capacity in MW:</p> <p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p>
<p>Indicate capacity in MW:</p> <p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p>

<p>The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>
<p>SIP 18: Water and sanitation infrastructure A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation. The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>
<p>SIP 19: Water and Sanitation a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo c. uMkhomazi Water Project: KwaZulu Natal d. Olifants River Water Resource Development Project - Phase 2: Limpopo e. Vaal-Gamagara: Northern Cape f. Mzimvubu Water Project: Eastern Cape g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape & North West h. Groot Letaba River Water Development Project - Nwamitwa Dam: Limpopo i. Berg River Voëlvele Augmentation Scheme: Western Cape j. Rustfontein Water Treatment Works: Free State k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State</p>
<p>SIP 20: Energy a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National b. Small IPP Power Purchase Procurement Programme (100MW): National c. Embedded Generation Investment Programme (EGIP)-400MW: National</p>
<p>SIP 21: Transport a. N1 Windburg Interchange to Windburg Station: Free State b. N1 Musina Ring Road: Limpopo c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo d. N1 Ventersburg to Kroonstad: Free State (2 projects in One) e. N2 Mtunzini Toll Plaza to Empangeni T-Junction: KwaZulu Natal f. N3 Cato Ridge to Dardanelles: KwaZulu Natal g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal l. N2 EB Cloete Interchange: KwaZulu Natal m. Small Harbours Development: National n. N3 New alignment via De Beers Pass: Free State o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape</p>
<p>SIP 22: Digital Infrastructure a. National Spatial Infrastructure Hub</p>
<p>SIP 23: Agriculture and Agro-processing a. Marine Tilapia Industry: Eastern Cape b. Natural Dehydrated Foods: Mpumalanga</p>
<p>SIP 24: Human Settlements a. Greater Cornubia: KwaZulu-Natal b. Vista Park II & III: Free State</p>

c. Lufhereng: Gauteng
d. Malibongwe Ridge: Gauteng
e. N2 Nodal Development: Eastern Cape
f. Matlosana N12 West: North West
g. Green Creek: Gauteng
h. Mooikloof Mega Residential City: Gauteng
i. Fochville Extension 11: Gauteng
j. Germiston Ext 4 Social Housing Project: Gauteng
k. Newcastle Hospital Street Social Housing Project: KwaZulu Natal
l. Hull Street Social Housing Project Phase 1: Northern Cape
m. Kwandokuhle Social Housing Project: Mpumalanga
n. Phola Heights - Tembisa Social Housing Project: Gauteng
o. Sondela Phase 2: Gauteng
p. Willow Creek Estate: Mpumalanga
q. Joe's Place Social Housing: Gauteng
r. Jeppetown Social Housing Project (Unity House): Gauteng
SIP 25: Rural Bridges "Welisizwe" Programme
SIP 26: Rural Roads Upgrade Programme
SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme
SIP 28: PV and Water Savings on Government Buildings Programme
SIP 29: Comprehensive Urban Management Programme
SIP 30: Digitising of Government Information Programme
SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme
SIP 32: National Upgrading Support Programme (NUSP)
SIP 33: Solar Water Initiatives Programme
SIP 34: Student Accommodation
SIP 35: SA Connect Phase 1B Programme
SIP 36: Salvokop Precinct

PLEASE ATTACH PROOF FROM THE RELEVANT SIP CO-ORDINATOR FOR EACH OF THE SIP PROJECT SELECTED.

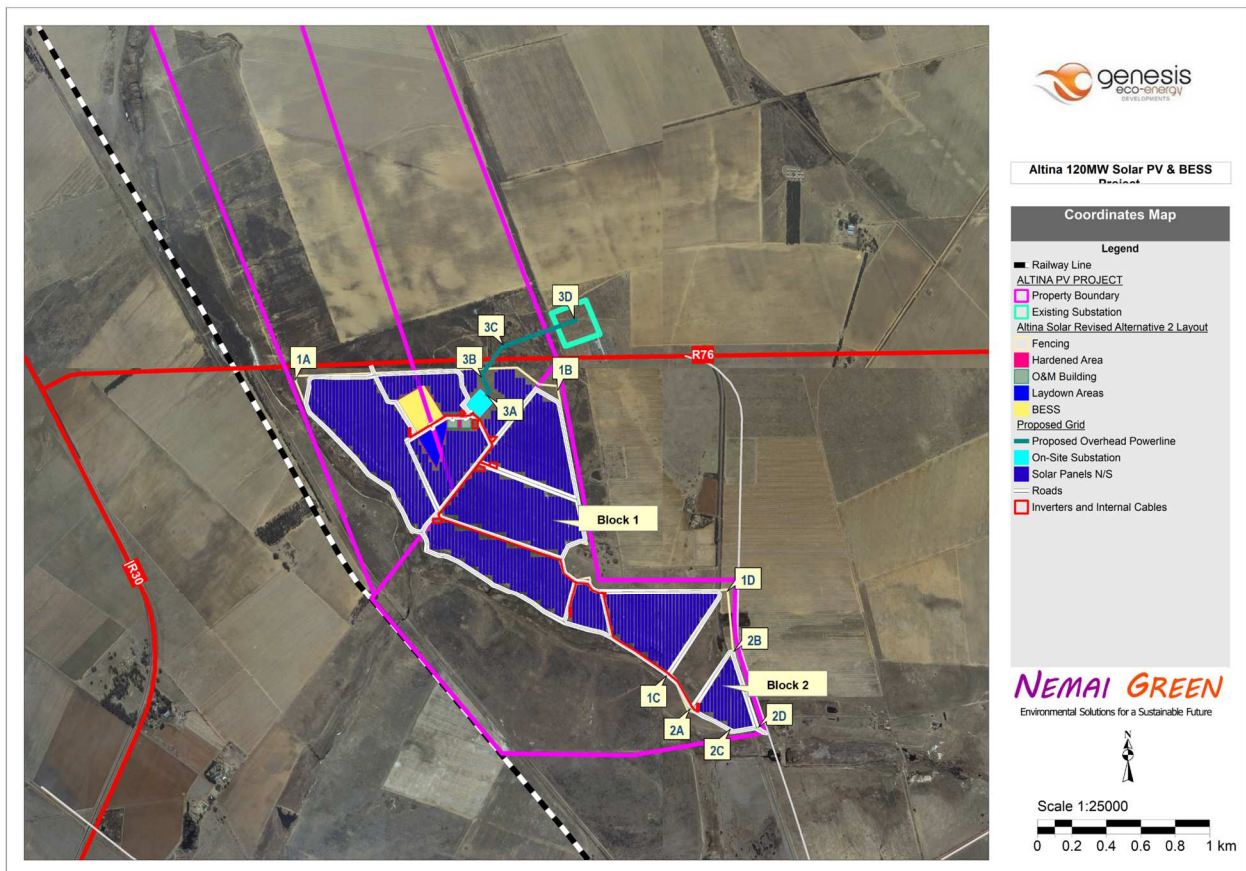
APPENDIX 6
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES

6A. LIST OF SGIDS OF DIRECTLY AFFECTED PROPERTIES

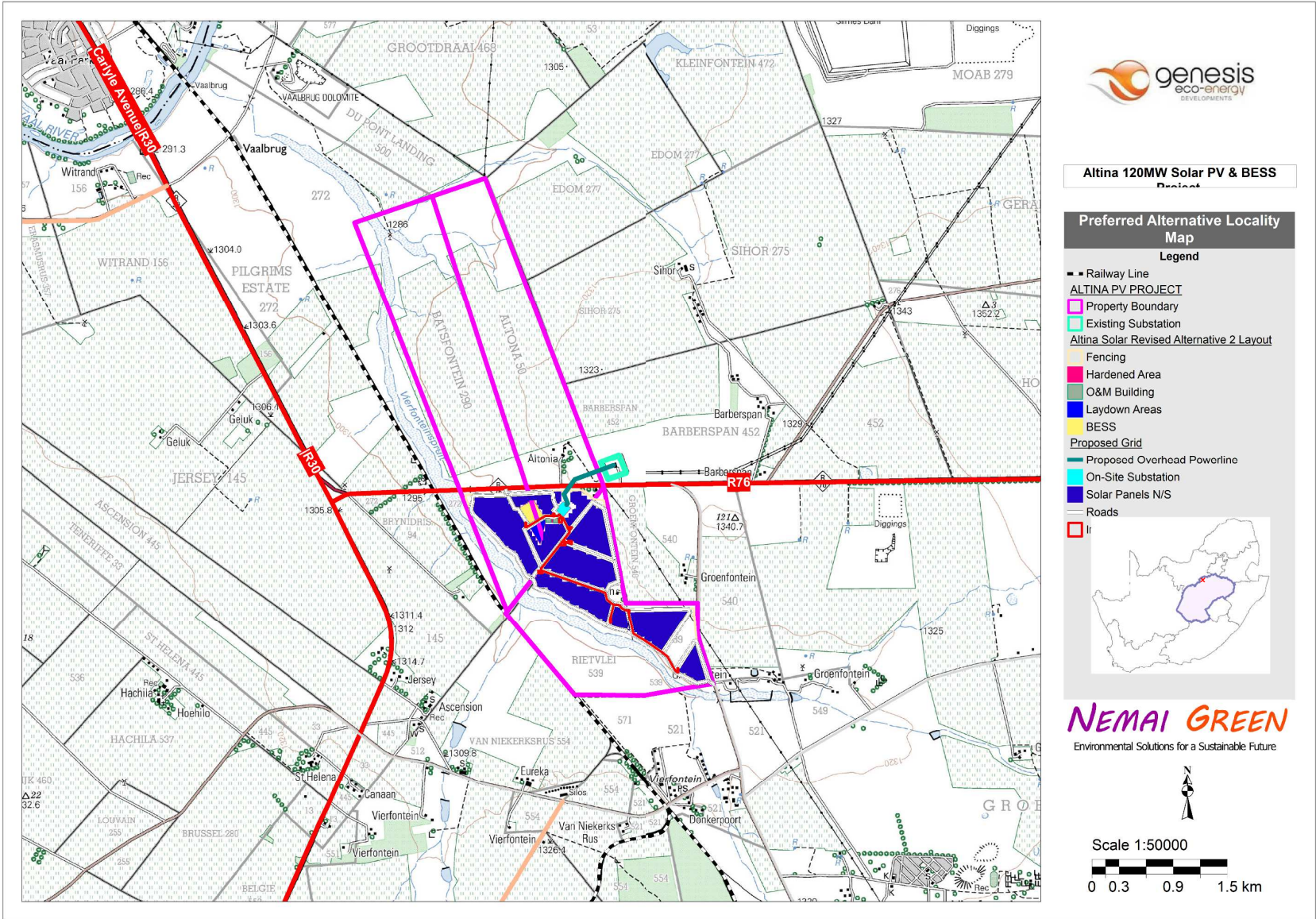
Farm Name	Portion / Erf	21-digit Surveyor General No.
PV Site		
BATSFONTEIN 290	0	F03600000000029000000
ALTONA 50	0	F03600000000005000000
RIETVLEI 539	0	F036000000000053900000
Power Line		
ALTONA 50	0	F03600000000005000000
BARBERSPAN 452	4	F03600000000045200004

6B. COORDINATES OF PV SITE PROPERTY & POWER LINE ROUTE

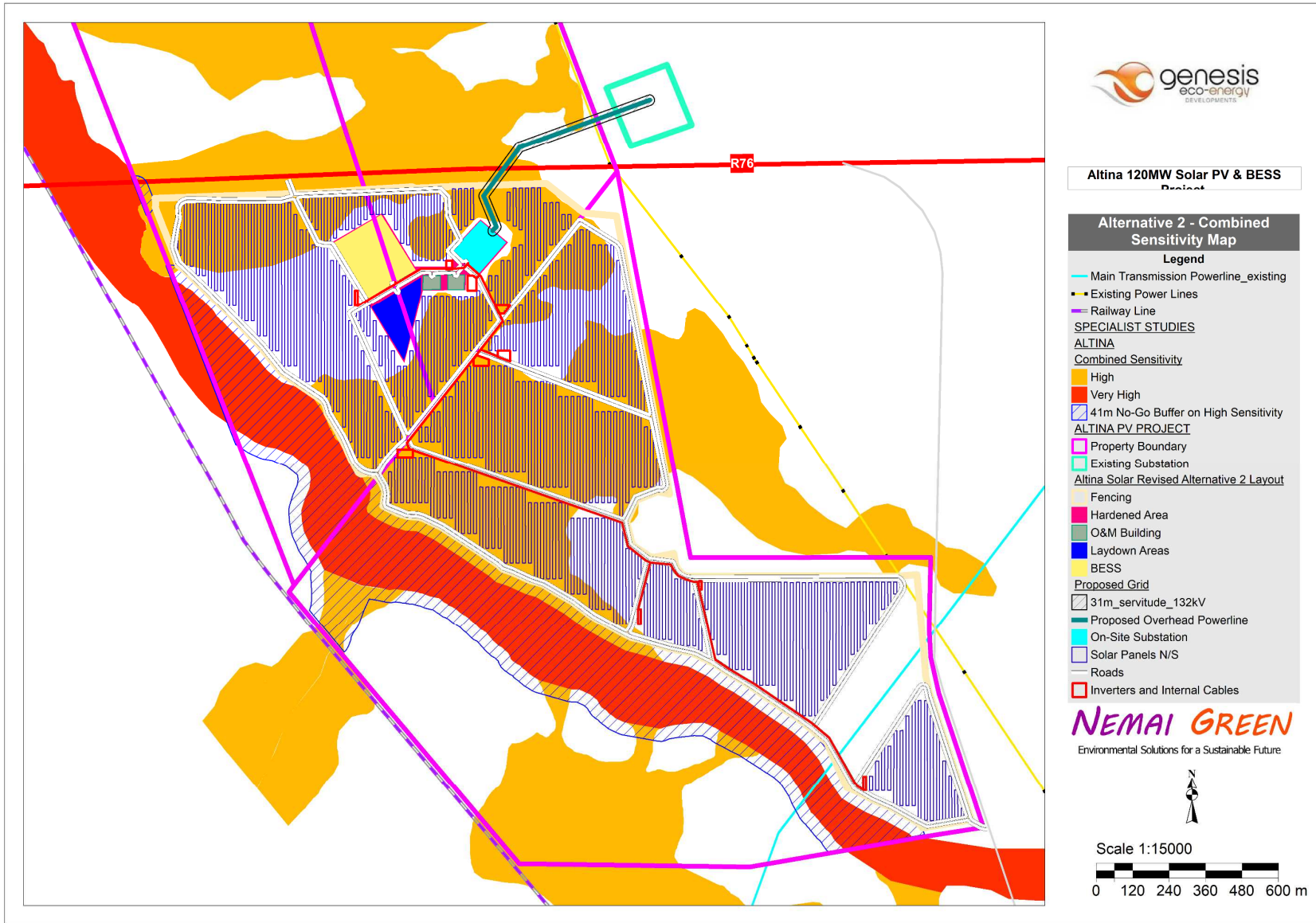
No.	Project Component	Coordinates
PV Site		
Block 1		
1A	North-Western Corner	27° 3'6.41"S; 26° 43'48.66"E
1B	North-Eastern Corner	27° 3'8.45"S; 26° 44'42.97"E
1C	South-Western Corner	27° 4'2.27"S; 26° 45'6.62"E
1D	South-Eastern Corner	27° 3'46.40"S; 26° 45'18.88"E
Block 2		
2A	Western Corner	27° 4'8.78"S; 26° 45'11.42"E
2B	Northern Corner	27° 3'57.72"S; 26° 45'19.87"E
2C	South-Western Corner	27° 4'12.85"S; 26° 45'20.02"E
2D	South-Eastern Corner	27° 4'12.30"S; 26° 45'25.20"E
Power Line		
3A	Start point (PV Site)	27° 3'9.77"S; 26° 44'28.57"E
3B	Bend Point 1	27° 3'6.03"S; 26° 44'27.56"E
3C	Bend Point 2	27° 3'0.93"S; 26° 44'31.84"E
3D	End point (Eskom Substation)	27° 2'55.93"S; 26° 44'47.22"E



**APPENDIX 7
LOCALITY MAP**



PREPARED FOR: ENERGYTEAM (PTY) LTD	PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT NEAR THE TOWN OF ORKNEY, FREE STATE PROVINCE
PREPARED BY: NEMAI GREEN Environmental Solutions for a Sustainable Future	LOCALITY MAP (1:50 000 TOPOGRAPHICAL MAP)

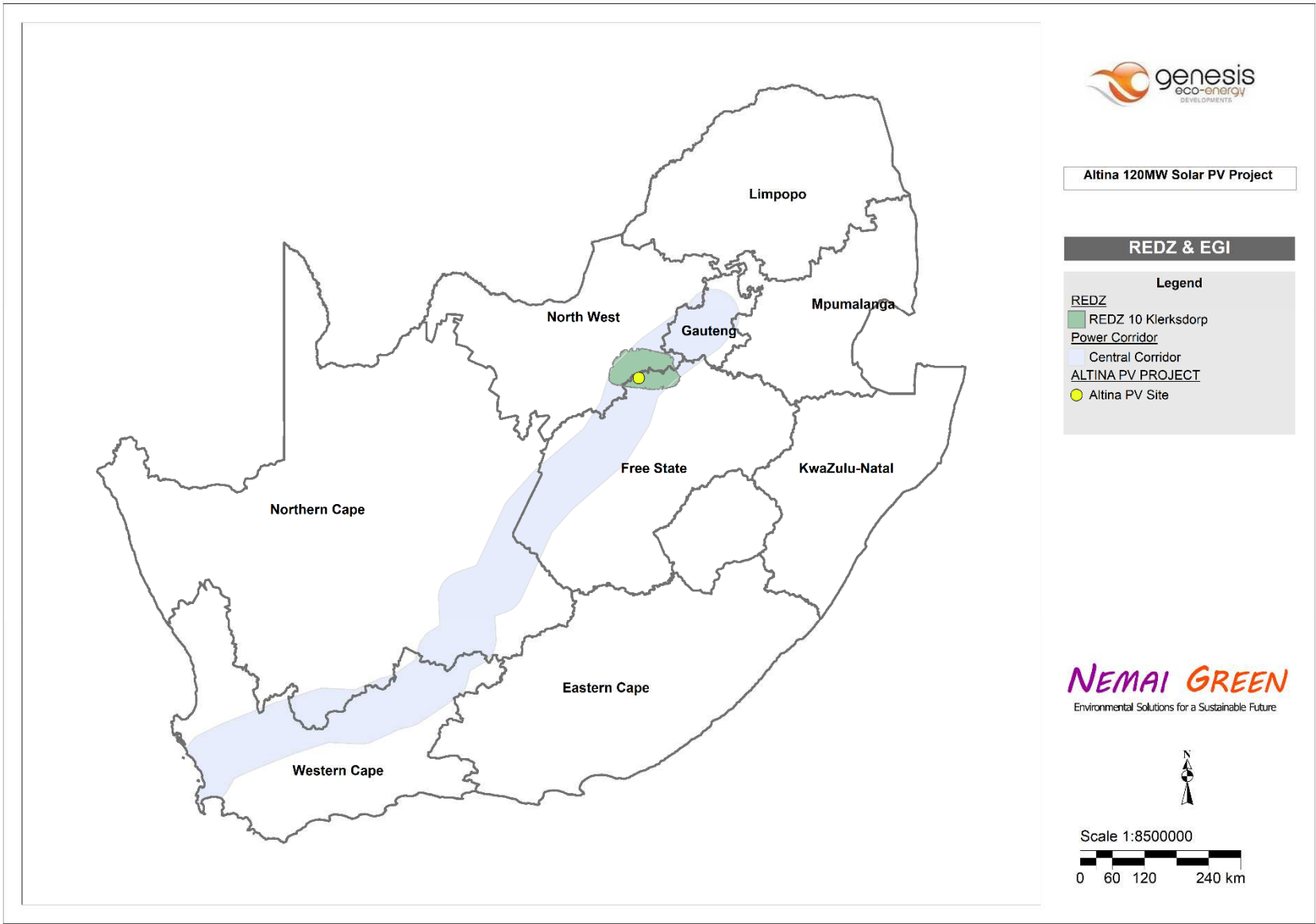


PREPARED FOR: ENERGYTEAM (PTY) LTD

PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT NEAR THE TOWN OF ORKNEY, FREE STATE PROVINCE

PREPARED BY: **NEMAI GREEN**
Environmental Solutions for a Sustainable Future

PRELIMINARY SENSITIVITY MAP



PREPARED FOR: ENERGYTEAM (PTY) LTD

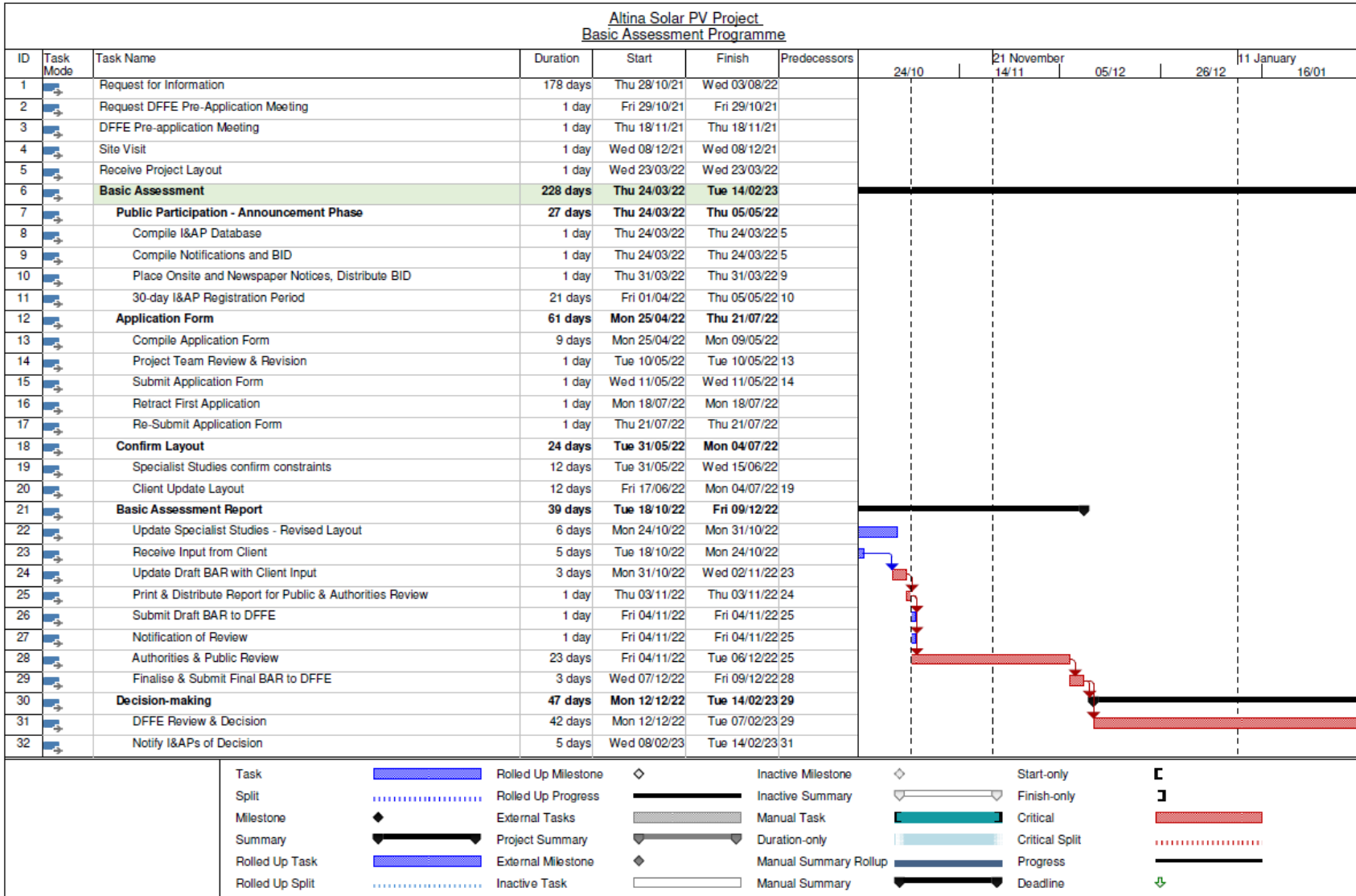
PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT NEAR THE TOWN OF ORKNEY, FREE STATE PROVINCE

PREPARED BY: **NEMAI GREEN**
Environmental Solutions for a Sustainable Future

RELEVANT REDZ & EGI MAP

**APPENDIX 8
PROJECT SCHEDULE**

8A. PROJECT SCHEDULE



**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, Thomas CONDESSE, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - 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 authorisation, should it be required by the Competent Authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
- I hereby indemnify the Government of the Republic of South Africa, the Competent Authority 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 EAP is responsible for in terms of these Regulations;
- I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that notified activity may commence prior to an environmental authorisation being granted by the Competent Authority.

Signature³ of the applicant/ Signature on behalf of the applicant

Name of company (if applicable)

Energyteam PTY LTD

Date: 7/10/22

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

**APPENDIX 10
DECLARATION OF THE EAP**

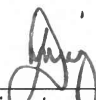
I, Donovan Henning, declare that –

- I act as the independent environmental assessment practitioner in this application;
- 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 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 will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- 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, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

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 Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~

N/A



Signature of the environmental assessment practitioner

Nemau Consulting

Name of company:

13/10/2022

Date

**APPENDIX 11
SCREENING TOOL REPORT**

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

EIA Reference number: To be assigned

Project name: Proposed Altina 120MW Solar Photovoltaic Project near the town of Orkney, Free State Province

Project title: PV Site & Power Line

Date screening report generated: 29/04/2022 08:49:02

Applicant: Genesis Eco-Energy Developments (Pty) Ltd

Compiler: Nemaï Green

Compiler signature:



.....

Application Category: Utilities Infrastructure|Electricity|Generation|Renewable|Solar|PV

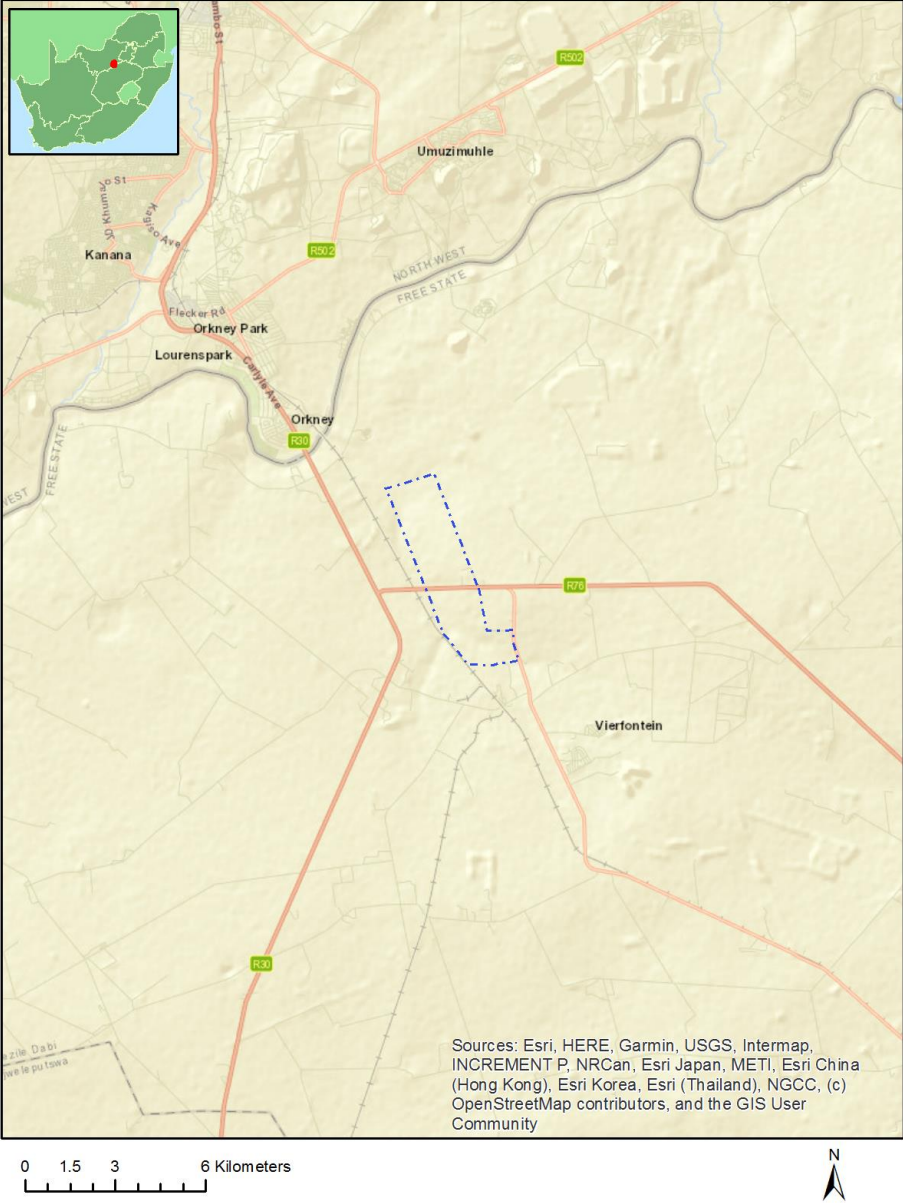
Table of Contents

Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	5
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment outcomes	6
Relevant development incentives, restrictions, exclusions or prohibitions	6
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones	7
Proposed Development Area Environmental Sensitivity	7
Specialist assessments identified	8
Results of the environmental sensitivity of the proposed area	10
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	10
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	11
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	12
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	13
MAP OF RELATIVE AVIAN THEME SENSITIVITY	14
MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY	15
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	16
MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY	17
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	18
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	19
MAP OF RELATIVE RFI THEME SENSITIVITY	20
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	21

Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed Altina 120MW Solar Photovoltaic Project near the town of Orkney, Free State Province



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

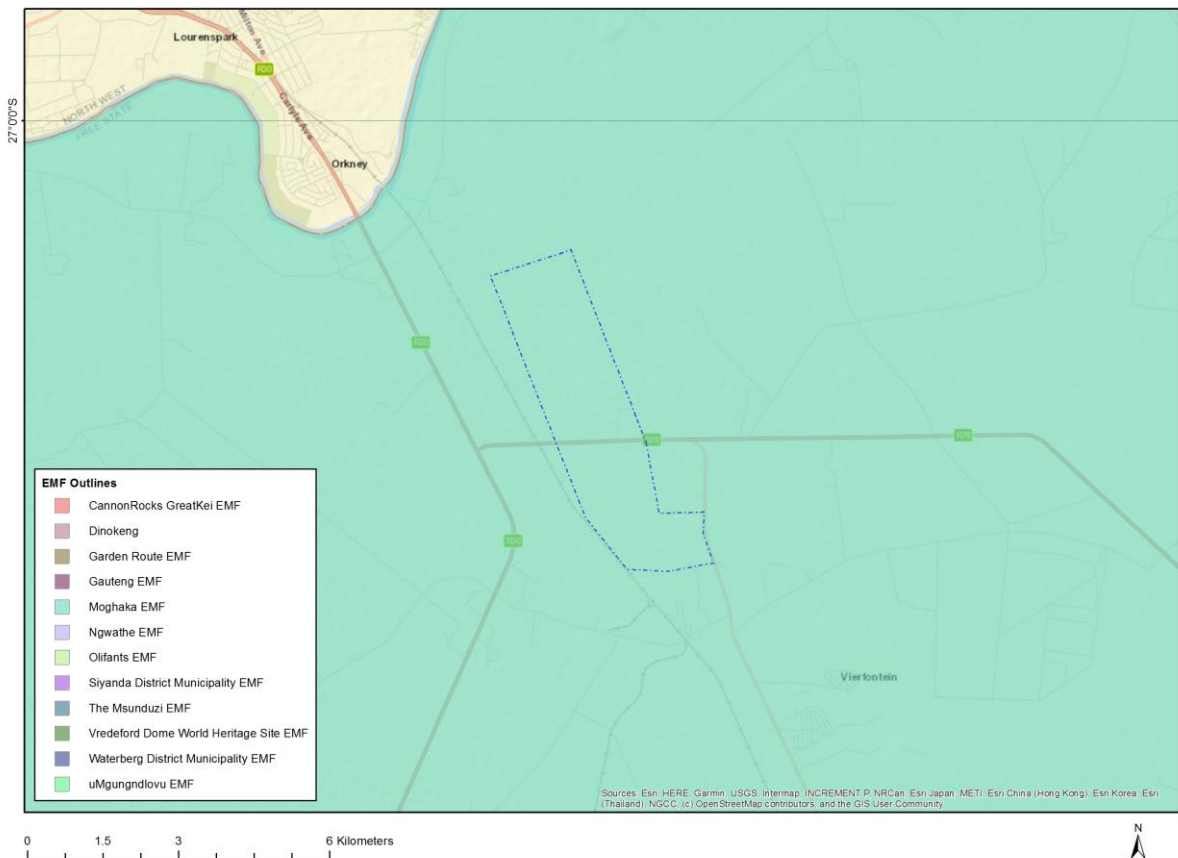
No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	BATSFONTEIN	290	0	27°2'27.64S	26°43'44.79E	Farm
2	GROENFONTEIN	540	0	27°3'32.96S	26°45'20.53E	Farm
3	VAN NIEKERKSUS	554	0	27°4'43.36S	26°44'18.11E	Farm
4	PILGRIMS ESTATE	272	0	27°1'51.32S	26°42'45.94E	Farm
5	ALTONA	50	0	27°2'19.38S	26°44'10E	Farm
6	DE PONT LANDING	500	0	27°0'54.97S	26°42'59.37E	Farm
7	BARBERSPAN	452	0	27°2'36.63S	26°45'48.64E	Farm
8	VANNELSRUS	571	0	27°4'36.61S	26°45'23.6E	Farm
9	RIETVLEI	539	0	27°3'50.93S	26°44'44.32E	Farm
10	RIETVLEI	539	0	27°3'52.61S	26°44'43.01E	Farm Portion
11	BARBERSPAN	452	4	27°2'56.54S	26°44'47.08E	Farm Portion
12	ALTONA	50	0	27°2'19.38S	26°44'10E	Farm Portion
13	BATSFONTEIN	290	0	27°2'28.9S	26°43'43.72E	Farm Portion
14	DE PONT LANDING	500	0	27°0'57.31S	26°43'5.34E	Farm Portion
15	BARBERSPAN	452	0	27°2'40.37S	26°44'57.27E	Farm Portion
16	VANNELSRUS	571	0	27°4'37.44S	26°45'23.56E	Farm Portion
17	PILGRIMS ESTATE	272	0	27°1'44.86S	26°42'56.38E	Farm Portion
18	GROENFONTEIN	540	0	27°3'32.96S	26°45'20.53E	Farm Portion
19	VAN NIEKERKSUS	554	1	27°4'45.88S	26°44'22.41E	Farm Portion

Development footprint¹ 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	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2513/3	Solar PV	Approved	6
2	14/12/16/3/3/2/777	Solar PV	Approved	16.9
3	12/12/20/2513/1	Solar PV	Approved	6
4	12/12/20/2513/2	Solar PV	Approved	9.6
5	14/12/16/3/3/2/954	Solar PV	Approved	14.2
6	12/12/20/2513/1/AM3	Solar PV	Approved	6
7	12/12/20/2513/4	Solar PV	Approved	6
8	14/12/16/3/3/2/778	Solar PV	Approved	18.9

Environmental Management Frameworks relevant to the application



Environment	LINK
--------------------	-------------

¹ “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.

al Management Framework	
Moghaka EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/Moghaka_LM_EMF - Final EMF Report Rev2013-06.pdf

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 | Electricity | Generation | Renewable | Solar | PV.

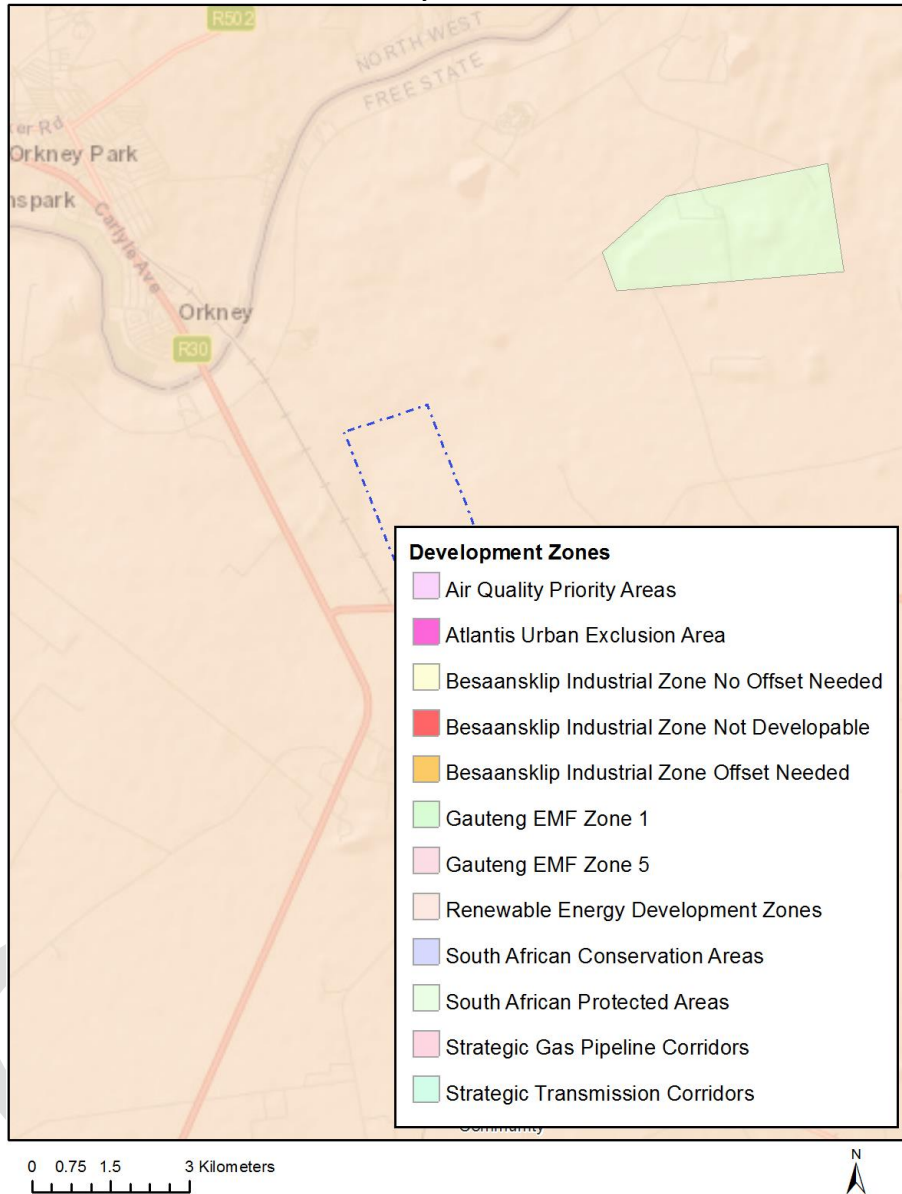
Relevant development incentives, restrictions, exclusions or prohibitions

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-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Renewable energy development zones 10-Klerksdorp	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_REDZ.pdf

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

Project Location: Proposed Altina 120MW Solar Photovoltaic Project near the town of Orkney, Free State Province



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
Avian Theme				X
Civil Aviation (Solar PV) Theme			X	
Defence Theme				X
Landscape (Solar) Theme	X			
Paleontology Theme			X	
Plant Species Theme			X	
RFI 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.

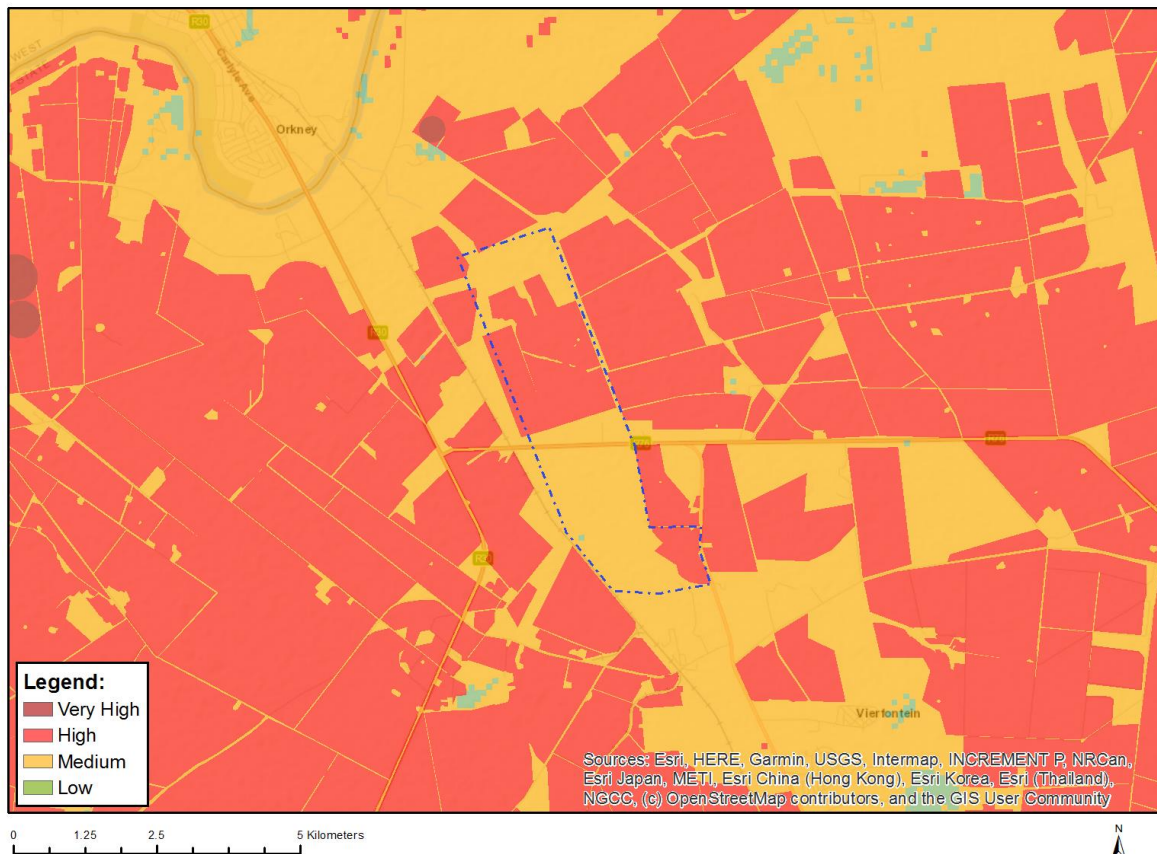
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf

6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
9	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
13	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

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

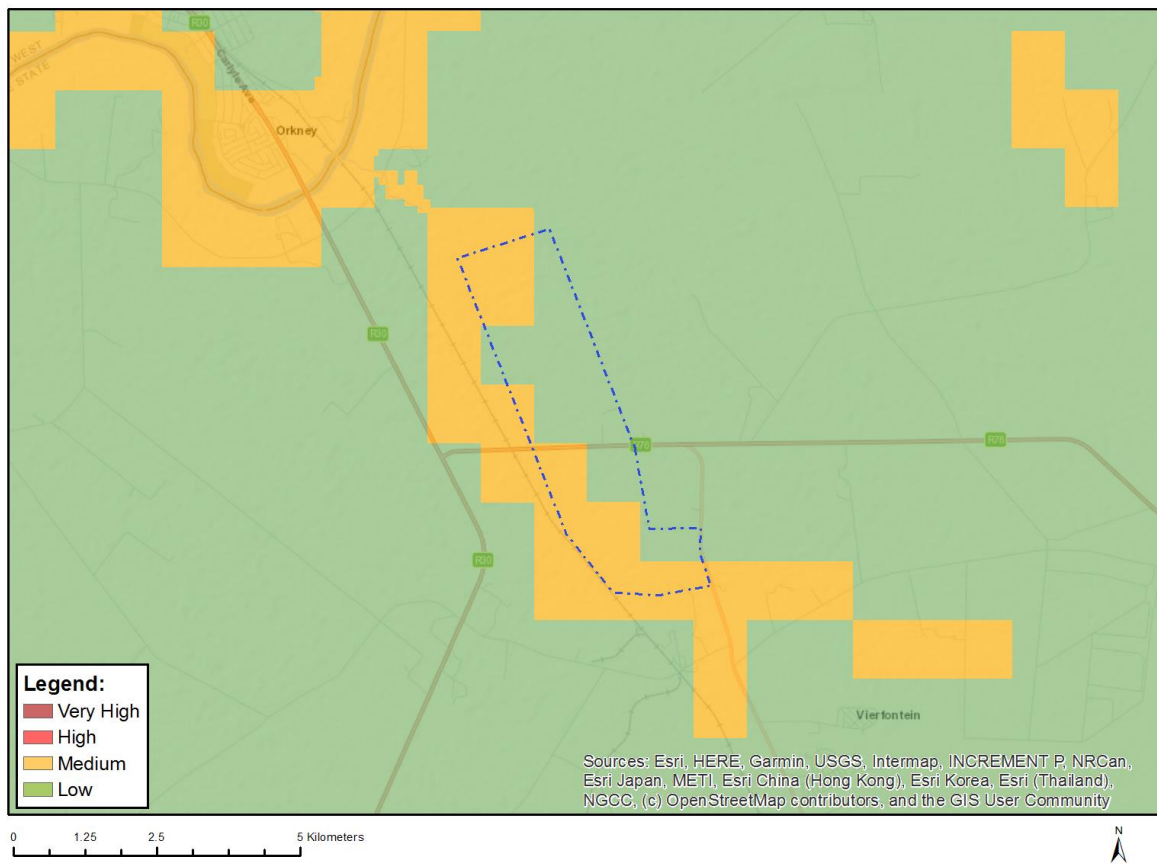


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
Low	Land capability; 01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



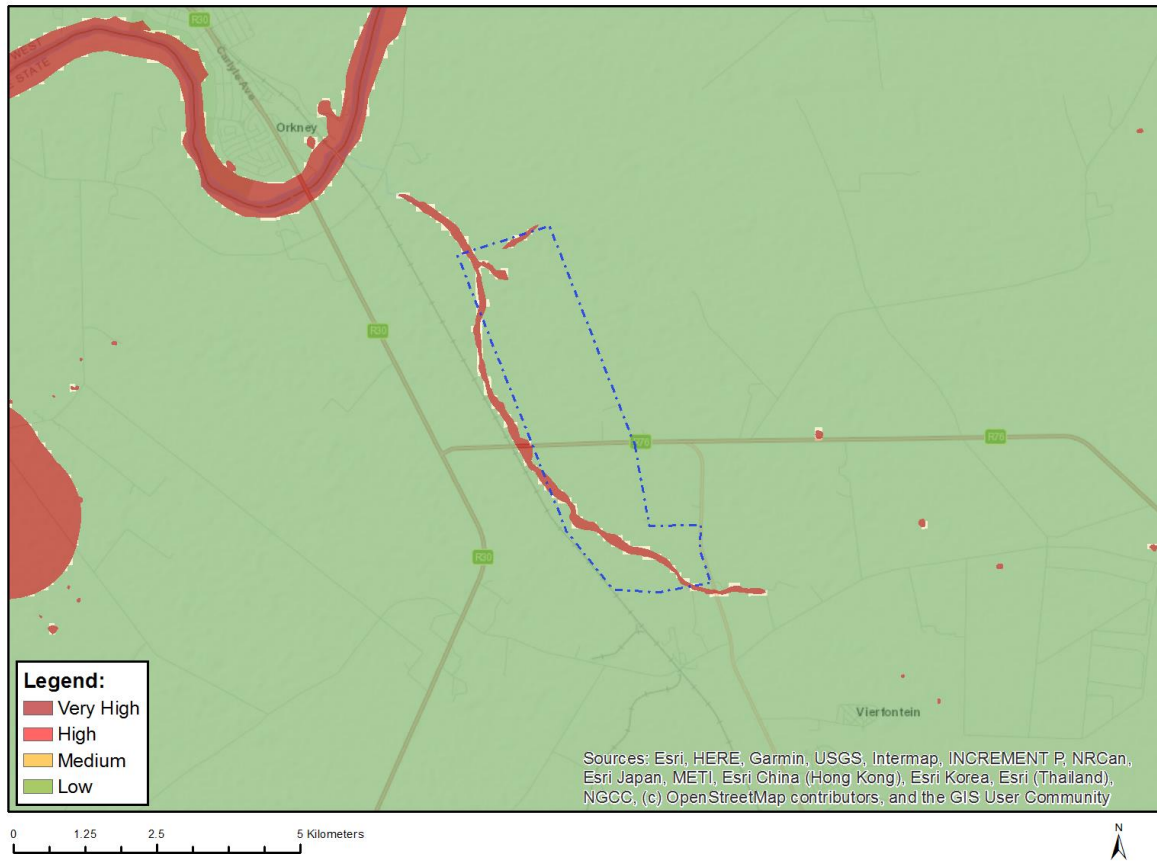
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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
Medium	Mammalia-Hydriectis maculicollis

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

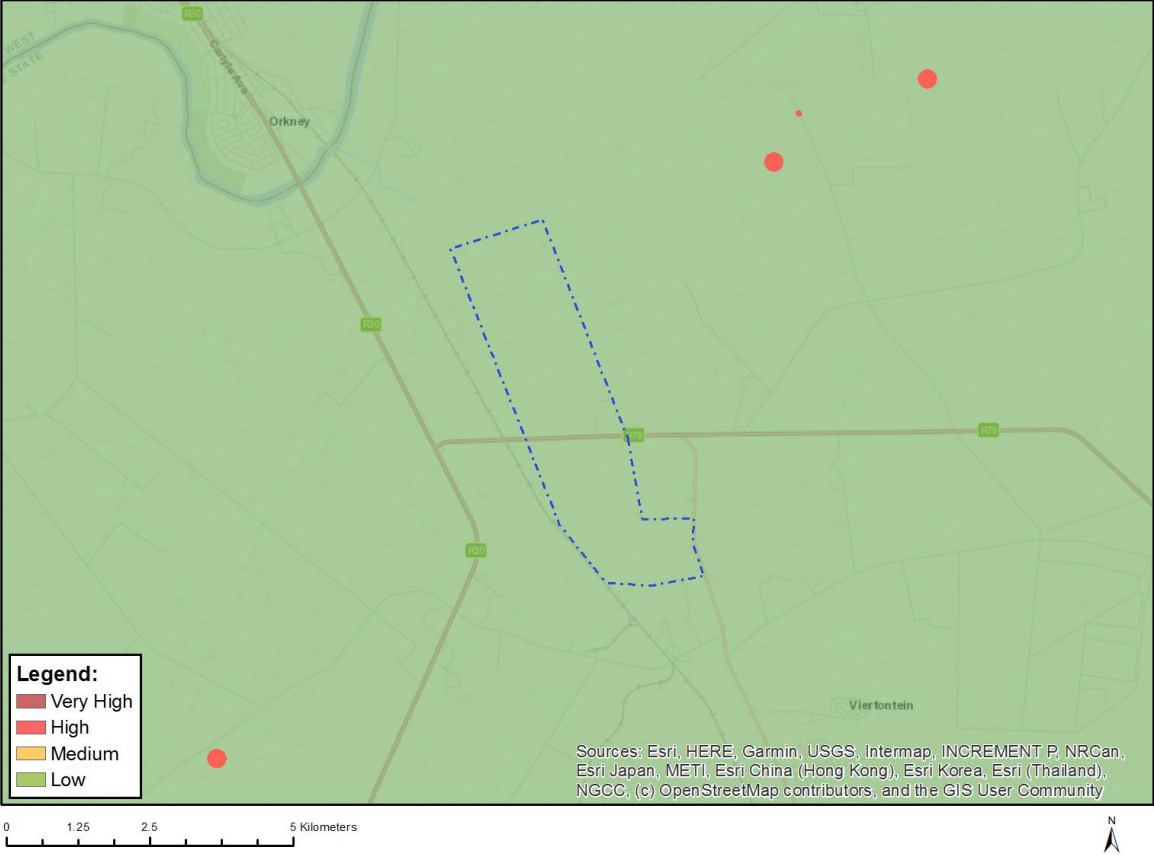


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

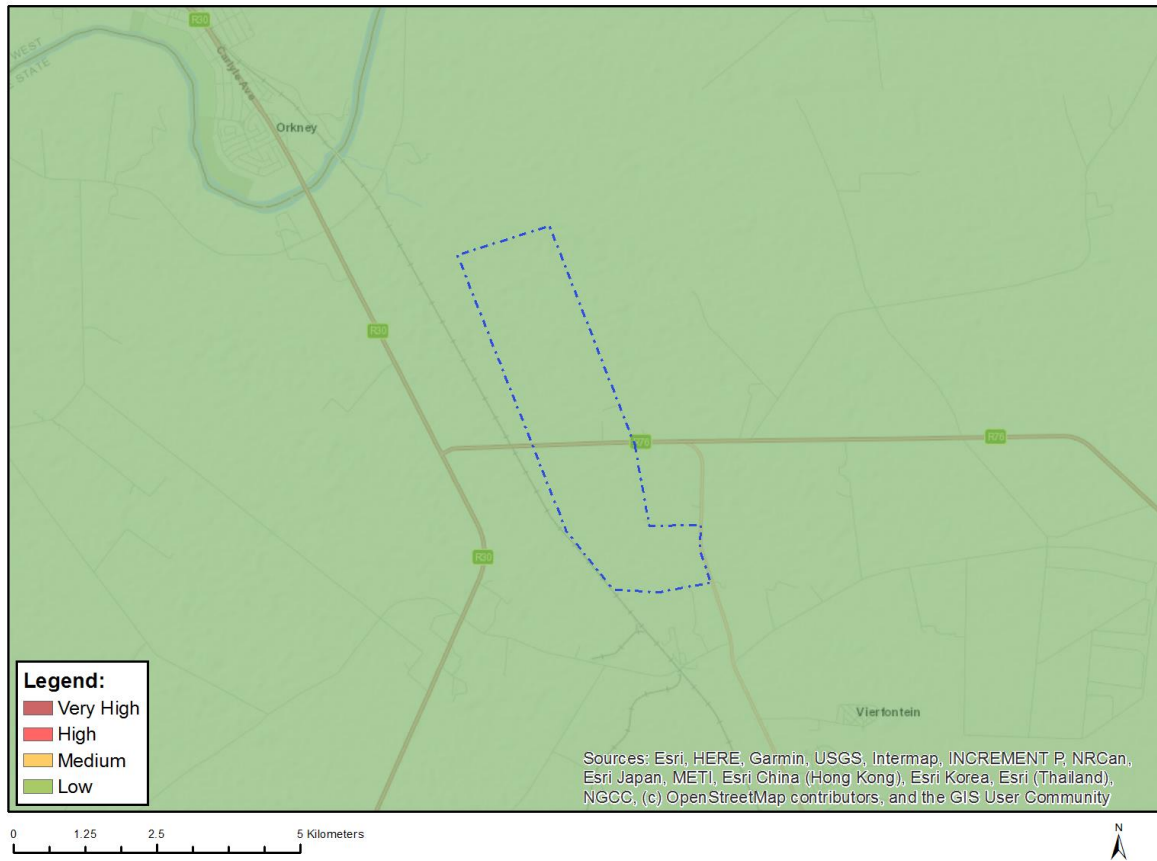


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN THEME SENSITIVITY

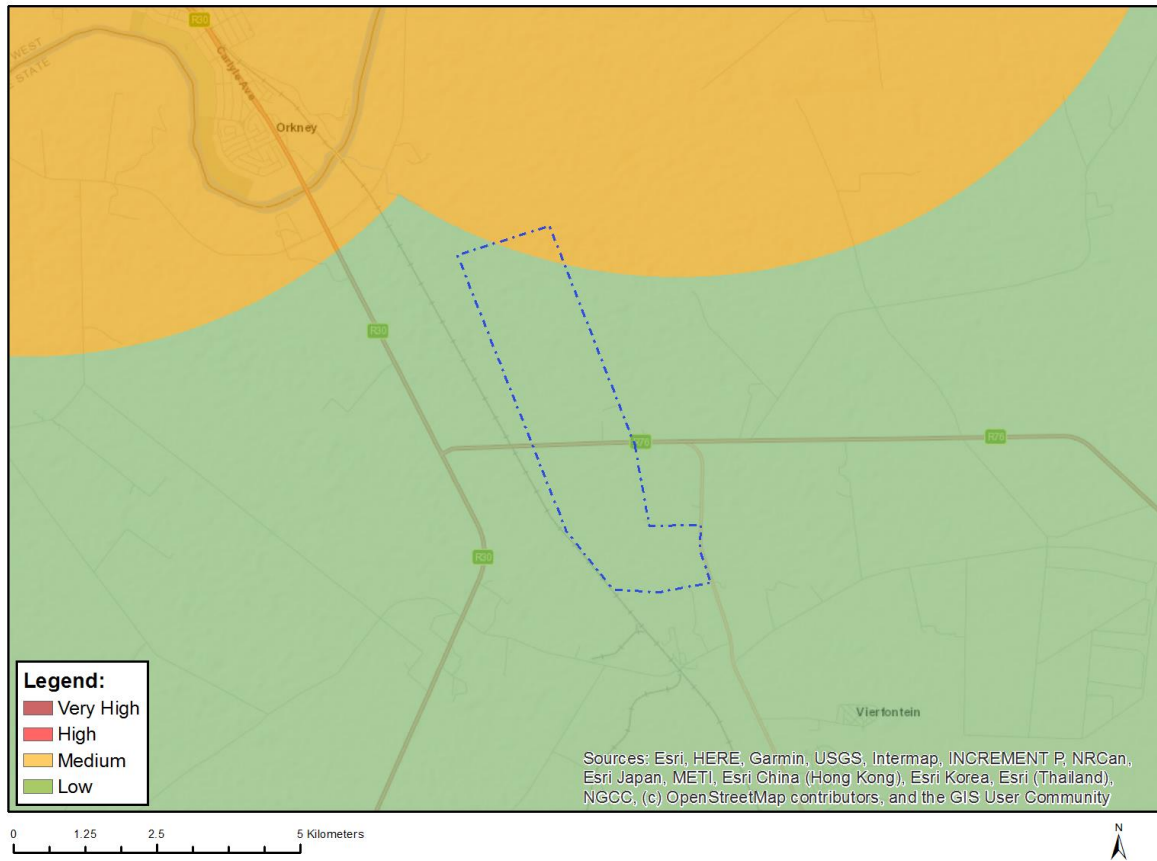


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

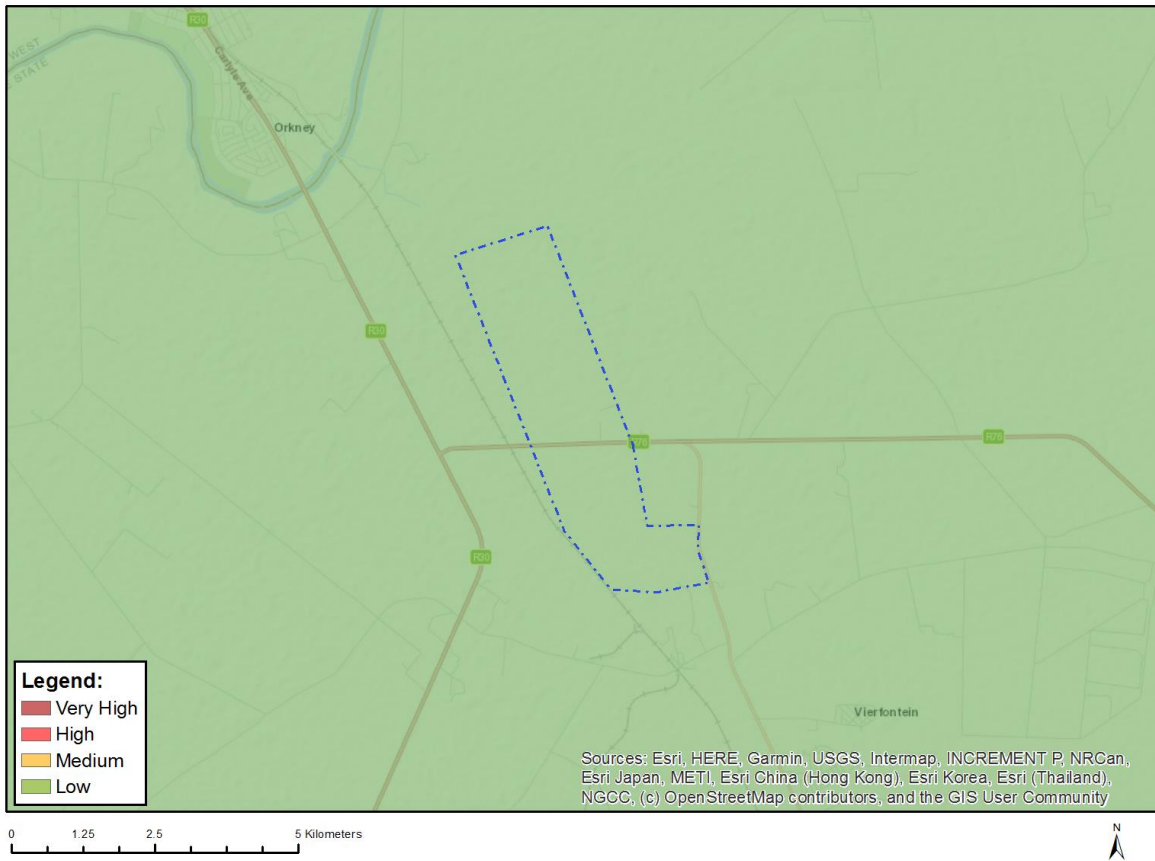


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	No major or other types of civil aviation aerodromes
Medium	Within 8 km of an other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

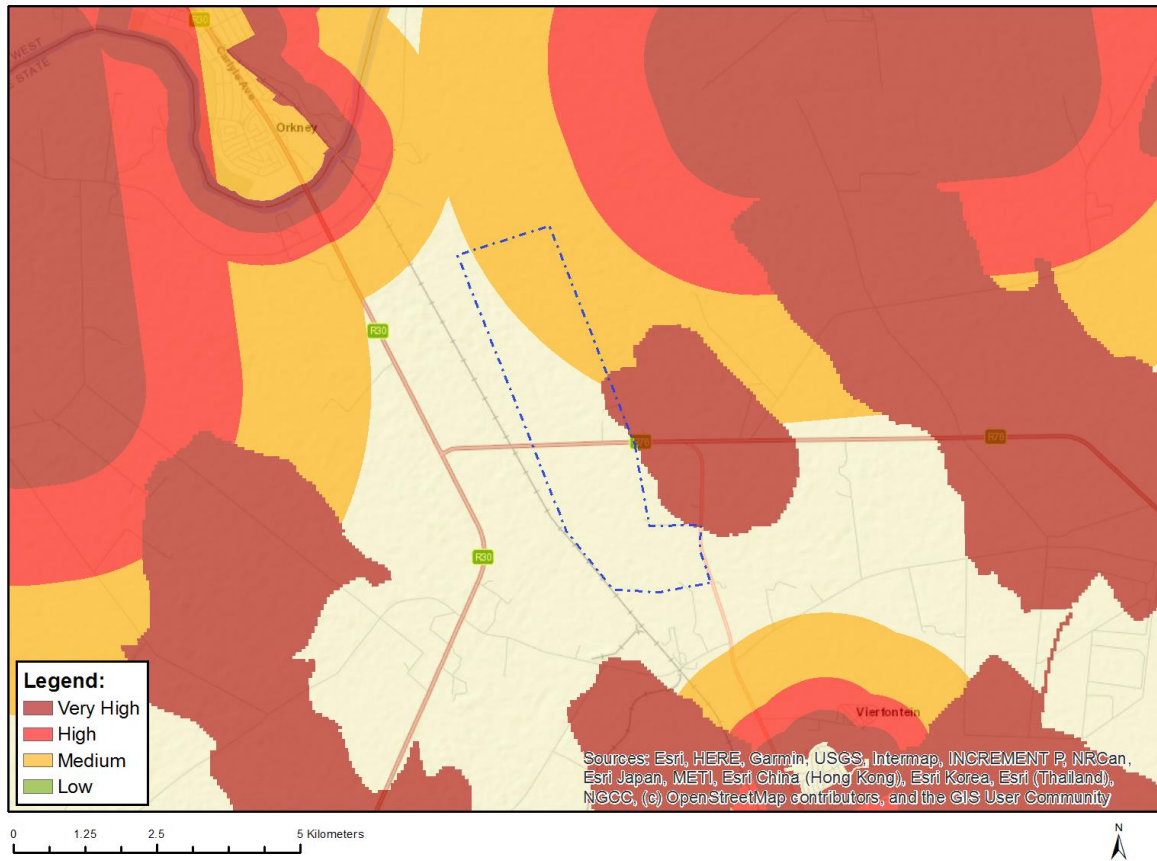


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

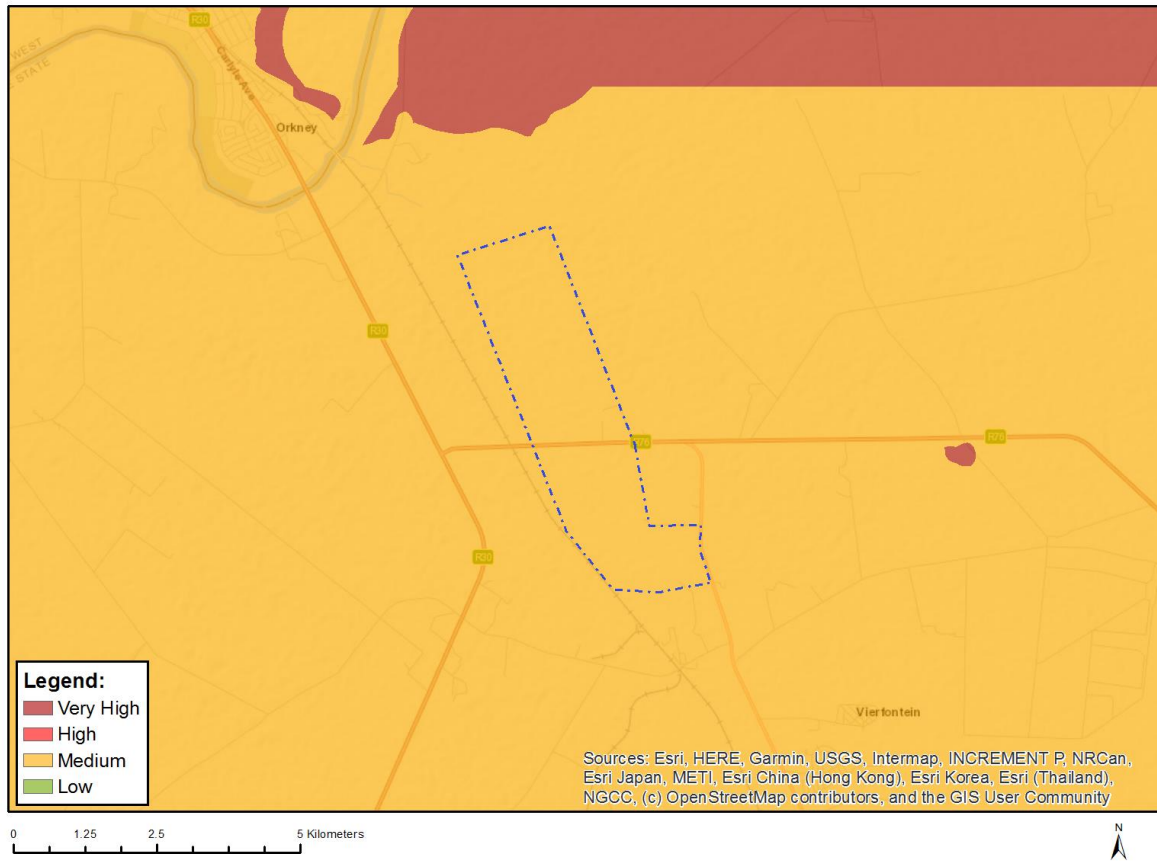


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 3 and 5 km of a nature reserve
Very High	Mountain tops and high ridges

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

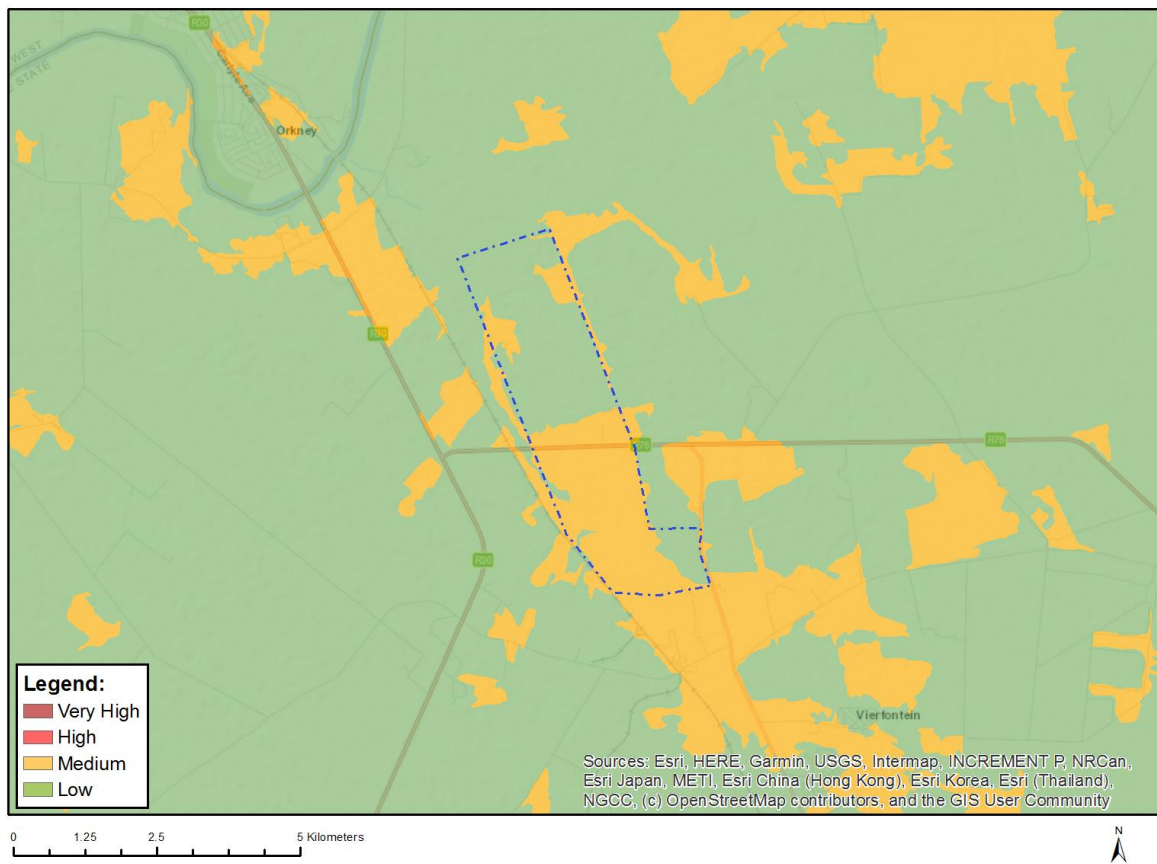


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



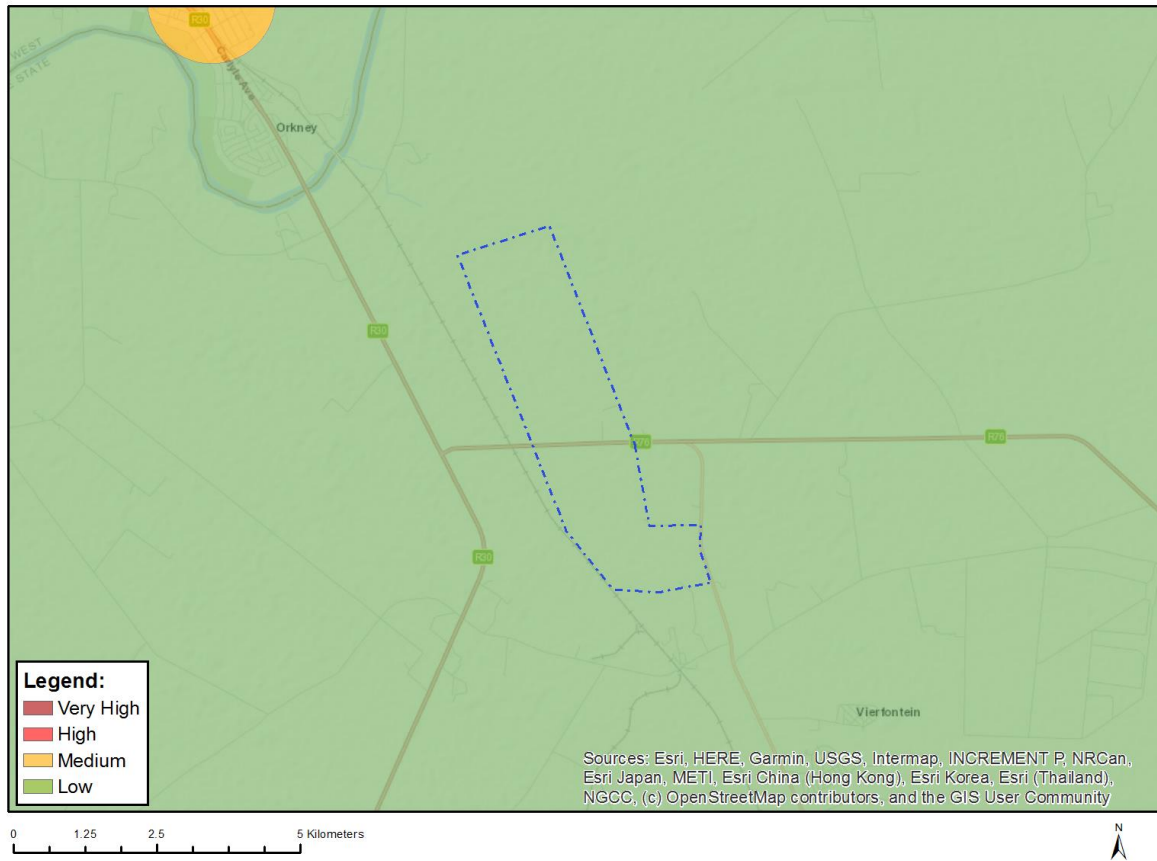
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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
Medium	Sensitive species 1261

MAP OF RELATIVE RFI THEME SENSITIVITY

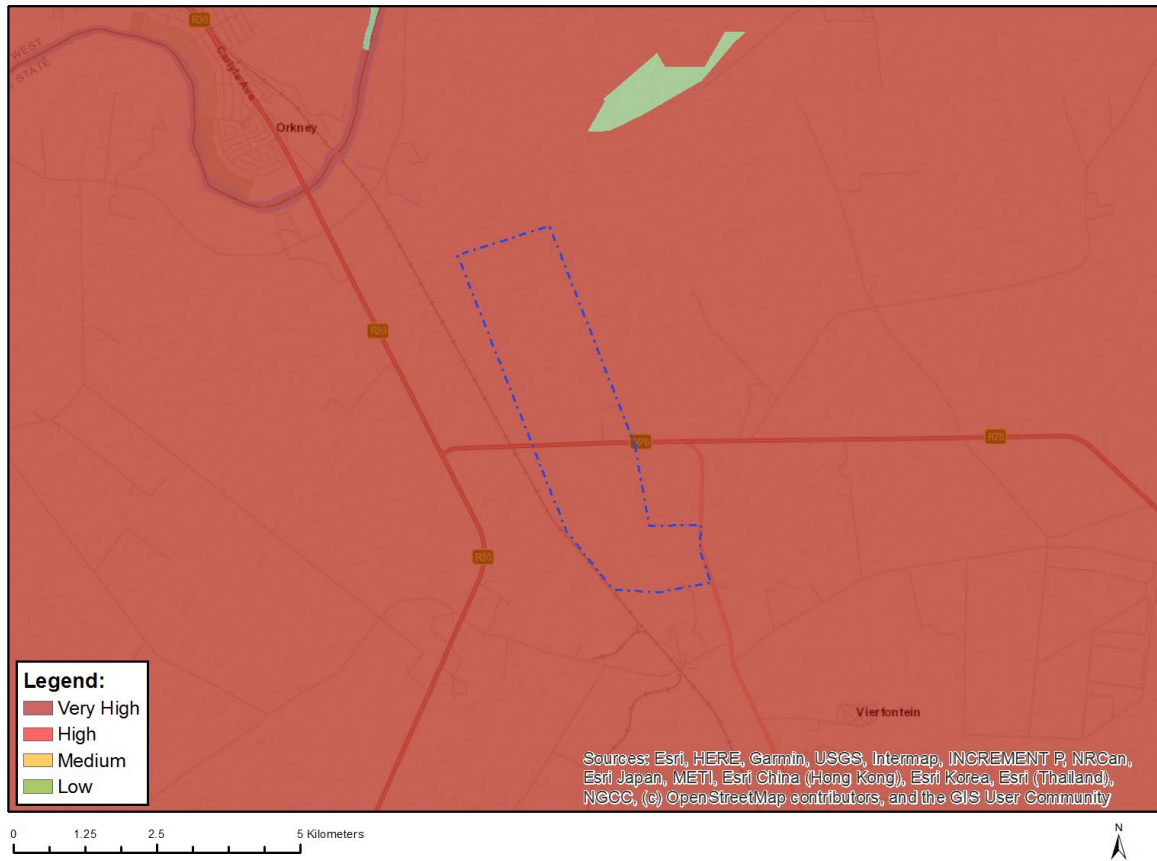


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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	Critical biodiversity area 1
Very High	Ecological support area 2
Very High	Endangered ecosystem

APPENDIX 12
UNDERTAKING UNDER OATH/ AFFIRMATION

I, Donavan Henry, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

[Signature]
Signature of the Environmental Assessment Practitioner

Nemai Consulting
Name of Company

13/10/2022
Date

[Signature]
Signature of the Commissioner of Oaths

2022-10-13
Date

