

APPENDIX G

DRAFT BAR REVIEW PHASE PUBLIC PARTICIPATION PROOF

APPENDIX G1: Notification Proof

Notice of Draft Basic Assessment Review: Proposed Altina 120MW Solar PV Project near Orkney, Free State



Jacqui Davis

To

Bcc jack@vslanbou.co.za; bethel@zipplink.co.za; jacobusstroebel@gmail.com; elana@vslanbou.co.za; janse@agrisa.co.za; info@sessa.org.za; christoph@sessa.org.za; alwyn@saaea.org; niveshen@sapvia.co.za; wido@sapvia.co.za; kim@sapvia.co.za; pierre@sapvia.co.za; lanl@ewt.org.za; eia@ewt.org.za; delana@wessa.co.za; morgan.griffiths@wessa.co.za; wessanc@yahoo.com; info@wessa.co.za; info@birdlife.org.za; conservation@birdlife.org.za; daniel.marnewick@birdlife.org.za; advocacy@birdlife.org.za; simon.gear@birdlife.org.za; energy@birdlife.org.za; J.Dini@sanbi.org.za; K.Maze@sanbi.org.za; kate@iws-sa.co.za; chair@sabaa.org.za; enquiries@ska.ac.za; atiplady@ska.ac.za; smatlhane@ska.ac.za; temonama@ska.ac.za; vrowland@ska.ac.za; pienaarmaris@ska.ac.za; rob@ska.ac.za; atiplady@sarao.ac.za; asyce@ska.ac.za; Zanele.Manyathi@transnet.net; MonatiDJ@eskom.co.za; JonasiB@eskom.co.za; david@beefdotcom.co.za; admin@bucandi.co.za; rethabile@sapvia.co.za; pieter.malan@senwes.co.za; bettie.dunhin@senwes.co.za; chantelle.kruger@senwes.co.za

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Fri 16/09/2022 20:28

NOTICE OF DRAFT BASIC ASSESSMENT REPORT REVIEW

PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT & 40MW BATTERY ENERGY STORAGE SYSTEM (BESS) PROJECT NEAR ORKNEY, FREE STATE PROVINCE

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

Genesis Eco-Energy Developments (Pty) Ltd (the Applicant) has proposed the development of the Altina 120MW Solar PV & 40MW BESS Project near the town of Orkney, within the Mqohaka Local Municipality and Fezile Dabi District Municipality in the Free State Province. The associated infrastructure includes access roads, overhead power line, on-site substation and on-site buildings and structures (amongst others). The electricity generated by the proposed Project will be injected into the existing Eskom 132 kV distribution system. The Applicant intends to bid for Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows and/or other renewable energy markets within South Africa.

The site is located within the Klerksdorp Renewable Energy Development Zone (REDZ), as published in Government Notice No. 142 of 26 February 2021.

The proposed Project Area includes the following properties:

- Portion 0 of the Farm Rietvlei 539;
- Portion 0 of the Farm Batsfontein 290; and
- Portion 0 of the Farm Altona 50.

ENVIRONMENTAL ASSESSMENTS:

Nemai Green was appointed by the Applicant as the Environmental Assessment Practitioner (EAP) to undertake the following environmental processes for the proposed Project:

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PUBLIC MEETING:

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CONTACT DETAILS OF EAP:

Contact Person: Donovan Henning

Tel: (011) 781 1730

Fax: (011) 781 1731

Email: donavanh@nemai.co.za

Postal Address: PO Box 1673, Sunninghill, 2157

Notice of Draft Basic Assessment Review: Proposed Altina 120MW Solar PV Project near Orkney, Free State



Jacqui Davis

To

Bcc john.geeringh@eskom.co.za; geerinh@eskom.co.za; DanielEC@eskom.co.za; dBruinER@eskom.co.za; motsis@eskom.co.za; MadumoJL@eskom.co.za; vdevensj@eskom.co.za; MotoaiLS@eskom.co.za; MadumoJL@eskom.co.za; Sarie.Lombard@transnet.net; andre.bodenstein@transnet.net; thami.hadebe@transnet.net; Raymond.Lehloma@transnet.net; Vincent.Matabane@transnet.net; keneuwe.Mabe@transnet.net; maureen.kunene@transnet.net; Gideon.Ackermann@transnet.net; Nsumbulana.Mtsenga@transnet.net; maureen.kunene@transnet.net; Nsumbulana.Mtsenga@transnet.net; Yolanda.Potgieter@transnet.net; Andiswa.Njonga@transnet.net; Herman.Coetzee@transnet.net; landmanc@nra.co.za; dumat@nra.co.za; abrahamsn@nra.co.za; brinkn@nra.co.za; marxj@nra.co.za; dumat@nra.co.za; wayleacr@telkom.co.za; gregg@openserve.co.za; Roestlb5@telkom.co.za; gabaima2@telkom.co.za; Justice.Molebatsi@mtn.com; Dennis.Govender@mtn.com; hennie.barnard@vodacom.co.za; franss@netstar.altech.co.za; KoegelenbergJD@sentech.co.za; MotlhakeS@sentech.co.za

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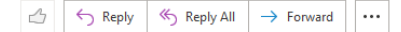
Notice of Draft Basic Assessment Review: Proposed Altina 120MW Solar PV Project near Orkney, Free State



Jacqui Davis

To

Bcc lindim@feziledabi.gov.za; thomasn@feziledabi.gov.za; mammym@feziledabi.gov.za; nonhlanhlab@feziledabi.gov.za; matsepelat@feziledabi.gov.za; tlalim@feziledabi.gov.za; mms@moqhaka.gov.za; jankie@moqhaka.gov.za; thekisol@moqhaka.gov.za; deliwen@moqhaka.gov.za; andre@moqhaka.gov.za; louis@moqhaka.gov.za; speaker@moqhaka.gov.za; mphoc@moqhaka.gov.za; cllröderick@moqhaka.gov.za; jacksonroderick@gmail.com; mohlolor@moqhaka.gov.za; Rentia@moqhaka.gov.za; deliwen@moqhaka.gov.za; mcebom@feziledabi.gov.za; tokwef@freetrans.gov.za; ramutsindela@freetrans.gov.za



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Jacqui Davis

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Jacqui Davis

To

Bcc mkhosana@destea.gov.za; masoetsad@destea.gov.za; khunongd@destea.gov.za; msello@destea.gov.za; collinsn@destea.gov.za; mokoena@destea.gov.za; msello@destea.gov.za; WARMSFreeState@dws.gov.za; blairv@dws.gov.za; NtitiT@dws.gov.za; groblerw@dws.gov.za; Nelg@dws.gov.za; FortuinB@dws.gov.za; mdhludis@dws.gov.za; mfwingwanax@dws.gov.za; KhwinanaP@dws.gov.za; Kalipa.kewuti@dmre.gov.za; Cedrick.fhedzisani@dmre.gov.za; Ndlelehle.Zindela@dmre.gov.za; reshoketswe.ramaboea@dmre.gov.za; Mamokete.mpatane@dmre.gov.za; naude@freetrans.gov.za; teboho.mmile@gmail.com; tsotsotsom@freetrans.gov.za; vanwykw@freetrans.gov.za; mareeh@freetrans.gov.za; mokoena@freetrans.gov.za; dyantyit@freetrans.gov.za; sebeop@freetrans.gov.za; fhedzisane@dmre.gov.za

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Fri 16/09/2022 20:20

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To
Bcc j2hsteenkamp@gmail.com; vanwykrd@mweb.co.za; willemfouche1@gmail.com; wanel.sihor@gmail.com; deon.vanbiljon@vodamail.co.za; info@bloekomboomboeredy.co.za; wanel@lantic.net; tiaanjonker89@gmail.com

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Genesis Eco-Energy Developments (Pty) Ltd (the Applicant) has proposed the development of the Altina 120MW Solar PV & 40MW BESS Project near the town of Orkney, within the Moqhaka Local Municipality and Fezile Dabi District Municipality in the Free State Province. The associated infrastructure includes access roads, overhead power line, on-site substation and on-site buildings and structures (amongst others). The electricity generated by the proposed Project will be injected into the existing Eskom 132 kV distribution system. The Applicant intends to bid for Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows and/or other renewable energy markets within South Africa.

The site is located within the Klerksdorp Renewable Energy Development Zone (REDZ), as published in Government Notice No. 142 of 26 February 2021.

The proposed Project Area includes the following properties:

- Portion 0 of the Farm Rietvlei 539;
- Portion 0 of the Farm Batsfontein 290; and
- Portion 0 of the Farm Altona 50.

ENVIRONMENTAL ASSESSMENTS:

Nemai Green was appointed by the Applicant as the Environmental Assessment Practitioner (EAP) to undertake the following environmental processes for the proposed Project:

1. A Basic Assessment process in terms of the EIA Regulations of 2014 (as amended) to seek Environmental Authorisation for the Project in terms of the NEMA, where the mandated authority is the Department of Forestry, Fisheries and the Environment (DFFE); and
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You are welcome to contact the Environmental Assessment Practitioner below if you have any queries.

CONTACT DETAILS OF EAP:

Contact Person: Donovan Henning
Tel: (011) 781 1730
Fax: (011) 781 1731
Email: donavanh@nemai.co.za
Postal Address: PO Box 1673, Sunninghill, 2157



Sewesspan stof almal uit

Hoërskool Wesvalia se o/17-sewersrugbyspan kook. Hulle het Hoërskool Rustenburg weer geklop - dié keer by hul eie sewestoernooi in Klerksdorp en die beker gewen. Jacques Albert en Dirk Opperman (regs) is by Deon Viljoen, spankaptein.



Regardt Wilkens, Gerrit Koen, Hayward Maree, Janré Greyling, (voor) De Wyk Pretorius, Brandt Muller, TD Greyvensteyn, Jordan Jerling en Tefo Katali van Laerskool Saamtrek is in die o/13-Koshkrieketspan opgeneem.



Nege krieketspelers van Laerskool Saamtrek is in die o/12 Koshkrieketspan opgeneem. Agter is Jayden Pretorius, Barry Jacobs, Rieker Kruger, Johanco Nel, Henrico Prinsloo, (voor) Wian Boshoff, Ulrich Ollewagen, Jason Greyling en Gunter Steenkamp.



Die o/11-krieketspelers van Laerskool Saamtrek wat in die Koshspan opgeneem is, is (agter) Edwin Venter, Ruben van der Merwe, Dihan van der Merwe, Casey Lues, Pierre Lötter, (voor) Chris-Heinz Wiegengagen, Zander du Preez, Jason Tarr en Shane van Heerden.



Christo Ferreira, a teacher at Curro Klerksdorp, will be representing ACNW at the SA cross-country champs on September 17 in Rustenburg.



Curro Klerksdorp Primary School's cross-country athletes have been running extremely well. Zoe Risi achieved third place in the recent cross-country event. Zoe, Zach and Zaylee (all Risi) as well as Joshua van Rooyen have been selected to represent NW at the upcoming SA cross-country champs, which will be hosted in Rustenburg this Saturday.

Vertel vir ons jou storie

Ons soek altyd stories. Regte stories oor regte mense. En aangesien mense so kla oor al die slegte nuus, wil ons graag goed-voel stories hoor.

Dalk skryf ons daaroor in ons volgende koerant. Dalk het jy 'n interessante stokperdjie of versameling. Ons wil graag van jou hoor.

Huwelikshedenkings, spesiale ge-denkdae, personeel wat langer as 25 jaar by 'n onderneming werk - ons stel belang om van jou te hoor.

Stuur 'n e-pos na salome@klerksdorprecord.co.za en vertel ons van jou. Ons wag om van jou te hoor.

NOTICE OF DRAFT BASIC ASSESSMENT REPORT REVIEW PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT & 40MW BATTERY ENERGY STORAGE SYSTEM (BESS) PROJECT NEAR ORKNEY, FREE STATE PROVINCE

Notice is hereby given in terms of the following:
• The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA); and
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- Portion 0 of the Farm Batsfontein 290; and
- Portion 0 of the Farm Altona 50.

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Contact Person: Donovan Henning Tel: (011) 781 1730 Postal Address: PO Box 1673, Sunninghill, 2157
Email: donavanh@nemai.co.za Fax: (011) 781 1731

REGISTER & BID ONLINE
ONLINE AUCTION
COMMERCIAL PROPERTY
50 ANDERSON ST, KLERKSDORP
ON THURSDAY, 29 SEPTEMBER 2022
START 10:00 END 16:00

Property: Erf 644, Klerksdorp, City of Matlosana Local Municipality, IP, North West Province
MEASURING: 495.0000m²

Improvements: Three story building including liquor license and consist of:
GROUND LEVEL (495m²): 4 X Street view retail shops, 2 x Shops/Open plan offices with foyer entrance, Communal toilets/bathroom. Total rent R15000/month.
FIRST FLOOR (495m²): Open plan Bar/lounge area, Ladies & Gents restroom, fully equipped kitchen
SECOND FLOOR (495m² + Veranda 60m²): Open bar/lounge area, 2 x Music stages, Kitchen, Open deck balcony, Ladies and Gents restrooms. Total rent first & second floor R25 000/Month.

Notes: Viewing by appointment only prior to commencement of the auction.

CONDITIONS: 5% of the purchase price and 7,5% commission plus VAT thereon is payable by the Purchaser at the fall of the hammer. Balance on registration, guarantees to be furnished within 30 days after acceptance. The property will be sold without reserve subject to confirmation by the Seller. 7 DAY confirmation period. Buyers must register and bid online. (FICA). R 5000 refundable registration fee is payable to register.

For further information:

ANTON ENGELBRECHT: 082 789 2772
RUDI MÜLLER: 082 490 7686
Office: 018 294 7391



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www.ubique.co.za

Visit our website for further information, the rules of auction as well as the regulations in terms of the Consumer Protection Act.

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 22 Dan Jacobs Street
 Athlone, Johannesburg
 Reg. No. 2009/058547/23
 Tel. 010 109 7979
 info@dynport.co.za



DP402104

PLEASE COMPLETE ALL SHADED AREAS

From: Sender's Company Name
NEMAI CONSULTING

Street Address
147 BOPANFISCHER AVENUE

Suburb
FENBERG

Town/City
RANDBURG

Province
WESTERN CAPE

Original Postal Code (VERY IMPORTANT)
7801

From: Sender's Name
JACOUB DAVIS

Account Number
071 3701168

Sender's Contact Number
22 40670

Sender's Reference/Order Number
Waybill Re-order Number

INSURANCE REQUIRED (PLEASE TICK BOX) DECLARED VALUE R

| No. OF PIECES | DESCRIPTION OF CONTENTS | CHARGES |
|---------------|-------------------------|---------|
| 1 | ENVELOPE | |

NOTE: GOODS SHIPPED AT OWNERS RISK SUBJECT TO STANDARD TRADING CONDITIONS AVAILABLE ON REQUEST

Sender's Signature: *[Signature]*

We have seen and agree to the standard conditions of carriage of DYNPORT
 TERMS CONTROL 011 888 4007/8 REF 86994

To: Receiver's Company Name
Free State DESTEA

Street Address (We are unable to deliver to PO Box Addresses)
113 ANDREWS STREET

Suburb
Free State

Town/City
BLOEMFONTEIN

Province
Free State

Original Postal Code (VERY IMPORTANT)
9301

Receiver's Name
GENE MKHOSANA

Receiver's Contact Number
066 487 2840

SPECIAL INSTRUCTIONS:

SERVICE REQUIRED: Please tick appropriate box(es) below.

PLEASE NOTE: If no service is specified, DYNPORT will despatch the goods as Budget Cargo and the appropriate rates shall apply.

| INTERNATIONAL | DOMESTIC | DIMENSIONS (CENTIMETRES) |
|---------------|-----------|--------------------------|
| EX1 | SAME DAY | 40 x 30 x 1 |
| EX2 | OVERNIGHT | |
| AIRRIGHT | STANDARD | |
| SEARIGHT | BUDGET | |

Received in Good Order and Condition

Signature: *[Signature]* Date: **21, 09, 2022**

Name: **MKHOSANA** Time: **09h48**

Received by DYNPORT Name: **BLOEMFONTEIN** Date: **20, 09, 2022** Time: **12:37**

Free State Department of Development
 (DESTEA)

113 St Andrews Street

Bloemfontein

9301

Unit R4, Fouries Industrial Park
 22 Jan Fabius Street
 Arcade, Johannesburg
 Reg. No. 2009/05387/23
 Tel: 010 109 7979
 info@dynport.co.za



DP402104


| | | | |
|---|--|--|--|
| Front Sender's Company Name NEMAI CONSULTING | | To Receiver's Company Name Free State DESTEA | |
| Street Address 147 BRAMFISCHER AVE | | Street Address (We are unable to deliver to PO Box Addresses) 113 ANDREWS STREET | |
| Suburb FERNBALE | | Suburb Bloemfontein | |
| Town/City RANSBURG | | Province FREE STATE | |
| From: Sender's Name JACQUI DAVIS | | Receiver's Contact Number 066 487 2840 | |
| Account Number 2240670 | | Sender's Contact Number 071 3701168 | |
| Sender's Reference/Order Number 2240670 | | Waybill Re-order Number 2240670 | |
| INSURANCE REQUIRED (PLEASE TICK BOX) <input type="checkbox"/> DECLARED R VALUE | | SPECIAL INSTRUCTIONS: | |
| No. OF PIECES 1 | | DESCRIPTION OF CONTENTS ENVELOPE | |
| CHARGES | | DIMENSIONS (CENTIMETRES) 40 x 30 x 1 | |
| INTERNATIONAL | | DOMESTIC | |
| EX 1 | | SAME DAY | |
| EX 2 | | OVERNIGHT | |
| AIRFREIGHT | | STANDARD | |
| SEAFREIGHT | | BUDGET | |
| TOTAL PIECES | | TOTAL MASS | |
| 1 | | 0,10 Kgs | |
| NOTE: GOODS SHIPPED AT OWNERS RISK SUBJECT TO STANDARD TRADING CONDITIONS AVAILABLE ON REQUEST | | Received in Good Order and Condition | |
| Sender's Signature | | Signature: MKHOSANA | |
| We have seen and agree to the standard conditions of carriage of DYNPORT | | Date: 21, 09, 2022 | |
| ORBAS CONTROL 011 888-8007/8 REF 88984 | | Time: 09h48 | |

PLEASE COMPLETE ALL SHADED AREAS

PROCESSED
 VAT
 TOTAL

Free State Department of Economic, Small Business Development, Forestry and Fisheries
 (DESTEA)
 113 St Andrews Street
 Bloemfontein
 9301

Proof of Delivery

| | |
|---------------------|---|
| Nemai Project No. | 10741 |
| Project Description | Proposed Albona 120MW Solar PV and 40mw BESS near the town of Orkney, Free state Province |
| Document Submitted | ix hardcopy Draft BAR |
| Name of Recipient | Mr Mooki |
| Organisation | Orkney Library |
| Address | 99 Partmore Street Orkney 2620 |
| Contact Details | 018 473 0310 |
| From | Jacqui Davis |
| Name of Recipient | Mosidi Ramokane |
| Signature |  |
| Date Received | 19 Sep 2022 |

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ORKNEY LIBRARY
018 487 8210

NOTICE OF PUBLIC MEETING
DRAFT BASIC ASSESSMENT REPORT REVIEW PHASE
PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT & 40MW BATTERY
ENERGY STORAGE SYSTEM (BESS) PROJECT NEAR ORKNEY, FREE STATE
PROVINCE

The notification below has reference.

PUBLIC MEETING:

A public meeting will be held to present the Draft Basic Assessment Report and provide a platform for project-related discussion for the abovementioned Project.

Details of the public meeting are outlined below for anyone who would like to attend:

Date:

Monday 10 October 2022

Time:

10:00 am – 12:00pm

Venue:

Orkney Library Hall
Corner Shakespeare Ave and Hood/Patmore Road, Orkney

Should you have any queries related to the public meeting, please contact the undersigned.

Kind regards,
Jacqui

Environmental Consultant

Nemai Green

Tel : +27 11 781 1730

Email : JacquiD@nemai.co.za

NEMAI GREEN

Environmental Solutions for a Sustainable Future

NOTICE OF DRAFT BASIC ASSESSMENT REPORT REVIEW
PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC (PV) PROJECT & 40MW BATTERY
ENERGY STORAGE SYSTEM (BESS) PROJECT NEAR ORKNEY,
FREE STATE PROVINCE

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Email: donavanh@nemai.co.za

Postal Address: PO Box 1673, Sunninghill, 2157

NEMAI GREEN

Environmental Solutions for a Sustainable Future

APPENDIX G2: Public Meeting Record

| | | | |
|---|--|-----------------|--|
|  | Minutes of Meeting Altina Solar Project | Queries: | Donavan Henning ☎ +27 11 781 1730 ☎ +27 11 781 1731 ✉ donavan@nemai.co.za |
| Client | Genesis- Eco Energy Developers | Project Name: | Altina Solar Project |
| | | Project Number: | 10741 |
| Date: | 10/10/2022 | Time: | 10:00HR– 12:00HR |
| Chairman: | Donavan Henning | Venue: | Oakney Library Hall |

| Attendees | Organisation & Designation | Contact Number | Email |
|------------------------------|----------------------------|----------------|--|
| Donavan Henning (DH) | Nemai Consulting | 011 781 1730 | donavanh@nemai.co.za |
| Caroline Tanhuke (CT) | Nemai Consulting | 011 781 1731 | carolinet@nemai.co.za |
| Danielle Ramosa (DR) | Nemai Consulting | 011 781 1731 | carolinet@nemai.co.za |
| Tiaan Jonker(TJ) | Private | - | - |
| David Britz(DB) | Private | - | - |
| Maipato Modibedi (MM) | Private | - | - |
| Cllr Roderick Jackson (Cllr) | Ward Councillor | - | - |
| Deon van Biljon | Private | - | - |

| Apologies | Organisation & Designation | Contact Number | Email |
|-----------|----------------------------|----------------|-------|
| Noted | | | |

| Item | Details | Action | Target Date |
|-----------|--|--------|-------------|
| 1. | Welcome and Introduction | | |
| 1.1. | DH welcomed everyone and observed protocol, He expressed his gratitude towards everyone present and mentioned that the meeting will proceed from item number 4 of the agenda. An attendance register was circulated, and the agenda was adopted | Nemai | |
| 2. | Project Team | | |
| | DH noted that Nemai Consulting are independent environmental consultants who has been appointed by Genesis Eco Developers (applicant) to conduct an Environmental Impact assessment process. | Noted | |

| Item | Details | Action | Target Date |
|-----------|--|--------|-------------|
| 2.1 | <p>DH went on to introduce the Project team. He noted that there is also specialists that were appointed to conduct studies namely</p> <ul style="list-style-type: none"> - Ecological specialat - Terrestrial and Equatic specialists - Agriculture specialist - Heritage Specialist - Visual specialist - Social Impact assessment - Ornithology specialist - Paleontologist <p><i>Refer to Annexure A</i></p> | Noted | |
| 2.2 | <p>DH noted the purpose of the meeting is to present the Draft Basic Assessment Report and the project to the community. He also encouraged participants to ask questions.</p> | Noted | |
| 2.3 | <p>DB requested for Nemaï to include representatives from Free State Agriculture and SAAI in their database.</p> <p>TJ went on to explain the difference between the two departments.</p> <p>DH mentioned that representatives from Free State Agriculture are already included in the database of Interested and Affected Parties (I&APs). He asked that the details of these representatives be provided by David Britz to confirm if they are not already reflected in the database.</p> | Nemaï | |
| 2.4 | <p>TJ asked if the inputs and comments be noted and captured.</p> <p>DH noted that they will be captured and incorporated into the final Basic Assessment Report as part of the comments and response report.</p> | Noted | |
| 3. | Project Background | | |

| Item | Details | Action | Target Date |
|-----------|---|--------|-------------|
| 3.1 | <p>DH noted there are energy problems in South Africa. The country is committed to the climate change perspective and the government has implemented Integrated Resource Plan to incorporate renewable energy to curb energy challenges, resource depletion and climate change challenges. Solar energy is part of the renewable energy plan.</p> <p>Why this site? The project was conceptualized because of its proximity to the substation and above that because of the solar PV yield per land.</p> <p>The site is part of the government's delignated Renewable Energy Development Zones (REDZ)as it fast tracks the implementation of the renewable energy. The project also falls strategically in the distribution corridor. Donovan went to confirm the participants farms which are located near the project site.</p> <p>DH noted that the topography of the area is large enough to accommodate the PV.</p> <p>DB noted that they are also representing the landowners of the southwest farm as the farmer passed away recently.</p> <p>DH went on to explain how the PV solar project works.</p> <p>He indicated other details that are going to be incorporated in the project.</p> | Noted | |
| 3.2 | Donavan xplained the specialist studies that were taken into consideration by the developer to adopt the site. | Noted | |
| | | | |
| 4. | Draft Basic Assessment Report Overview | | |
| 4.1. | <p>DH explained the Draft Basic assessment report. He indicated that the study was a basic assessment because the project falls under the corridor and the REIPPP.</p> <p>He indicated that specialists were appointed to conduct studies that also contribute to the document.</p> <p>He noted that the draft Basic Assessment Report is out for review and the 17th of October 2022 is the end date of comments.</p> <p>The comments and response report will be incorporated in the final document and will contribute to the significance impact of the project.</p> <p>The department can either deny or accept however there is also an opportunity to appeal. He noted that participants are welcome to get copy at the Oakney Library or electronically.</p> | Nemai | |

| Item | Details | Action | Target Date |
|-----------|---|--------|-------------|
| 4.2. | DH went on to explain the layout of the document and details therein. He also summarised all the specialist studies report. | Noted | |
| 4.3. | DH highlighted that the panels are not built to radiant, they are built to absorb the radiation not to glare. | Noted | |
| 4.4. | He mentioned the labour influx, the expectations from the community. He indicated that the project is highly specialised, and it cannot create more jobs as expected. | Noted | |
| 4.5. | He noted that a detailed Impact assessment was conducted and quantified by preventative measures. He indicated other special areas of studies that were taken into consideration to come up with an Empr. | Noted | |
| 4.6. | He noted the notifications were placed around as according to the legislation. | Noted | |
| 4.7. | DH also mentioned the anticipated timeframes. He noted that the authorisation might come by December 2022 and the project inception by November 2023. And by December 2024 will be a commissioned solar plant. | Noted | |
| 5. | Discussions | | |
| 5.1. | DB contested the findings from the Agricultural Specialist that the land does not have high agricultural potential. He stated that the land has high value from a wetland pastures perspective. DH indicated that the Agricultural Specialist will be requested to provide feedback. | Nemai | |
| 5.2. | DB stated that he is not opposed to the project, but he objects to its location. He indicated that more suitable land is available on the mining property to the north of the site, which will not have such a significant impact of the farming community. This land will be more beneficial for various reasons, including suitable access, more space, current illegal hunting on the land, etc | Noted | |
| 5.3. | DB queried the findings from Ecologists that no protected species are present. He mentioned that previous studies done in the area found a protected frog species (“rooibekpadda”). DH indicated that the Ecologists will be requested to provide feedback. | Noted | |
| 5.4. | TJ provided clarity on how the Renewable Energy Development Zones and Strategic Transmission Corridors were developed. | Noted | |
| 5.5. | TJ asked how the development can take place on high potential agricultural land in the south-eastern part of the site. DB indicated that the agricultural potential was ground-truthed by the Agricultural Specialist. | Noted | |

| Item | Details | Action | Target Date |
|------|---|--------|-------------|
| 5.6. | David Britz asked how the PV development will influence local weather conditions and impact on the adjacent cultivated land. He mentioned, as examples, that the PV panels may create extra heat and change rainfall patterns. | Noted | |
| 5.7. | Tiaan Jonker asked how water will be obtained for the operation of the PV development, including the cleaning of the panels. He indicated that groundwater is limited in the area and noted the poor yields from local boreholes. He asked whether groundwater resources have been confirmed by a geohydrologist. Donavan Henning indicated that water will either be obtained from groundwater resources or from the municipality. David Britz noted that a Rand Water pipeline traverses his land, which is located adjacent to the proposed site. | Noted | |
| 5.8. | Tiaan Jonker asked whether the Ecologist found shrews during the specialist study. Donavan Henning indicated that the Ecologists will be requested to provide feedback. | Noted | |
| 5.9 | David Britz indicated that cumulative impacts will be caused by the various solar PV developments in the region. | Noted | |
| 5.10 | Tiaan Jonker asked about the area required to still render the project financially viable, considering that the area with high agricultural potential in the south-eastern part of the site may need to be excluded. He explained the factors that are considered by the Department of Agriculture, Land Reform and Rural Development (DALRRD) for viable agricultural practices. Donavan Henning indicated that all regulatory processes will need to be followed by the Project Proponent to seek the environmental approvals related to the proposed development. | Noted | |
| 5.12 | Tiaan Jonker noted that the Applicant previously mentioned that the panels will be lifted to allow grazing to take place underneath. He asked whether the increased height of the panels was taken into consideration by the Visual Specialist. Donavan Henning mentioned that literature exists supporting grazing underneath PV panels. David Britz stated that this will not be viable due to the heat that the livestock will be exposed to. | Noted | |
| 5.13 | David Britz noted that the project seems like a case of a willing buyer and a willing seller. | Noted | |
| 5.14 | Tiaan Jonker requested a consolidated sensitivity map, in order to identify areas where the site is not sensitive. | Noted | |

| Item | Details | Action | Target Date |
|-----------|---|--------|-------------|
| 5.15 | <p>Deon van Biljon asked how the mining licence for the sand mining, which is taking place on the north-western part of the site, influences the project.</p> <p>Donavan Henning indicated that the Applicant would need to consider Section 53 of the Minerals and Petroleum Resources Development Act (Act No. 28 of 2002). He noted that this area will need to be rehabilitated to allow for the solar PV development to take place.</p> <p>Tiaan Jonker explained that consent is required from the holder of the mining licence for the project to proceed.</p> | Noted | |
| 5.16 | <p>Councillor enquired about the Labour influx and how many people are going to be required for the project.</p> <p>Donavan indicated that because of the nature of the project and depending on which country the solar technology will become from. The project will most likely come with skilled workers. He noted that the bottom line is there are very limited opportunities for unskilled laborers and even SMMEs in the project. It's a privatized development and the contractor will come with their own skilled labour. If they do need people, they will follow the process of employing through the councillor.</p> | Noted | |
| | | | |
| 6. | Way Forward | | |
| | DH noted that presentation will be shared together with minutes to the stakeholder. | Nemai | |
| 7. | Close | | |
| 7.1 | The meeting was adjourned at 11H45 | | |

| Item | Annexure Items |
|------|---------------------|
| 1. | Attendance Register |
| 2. | Presentation Report |

Minutes Compiled By:

Nemai Consulting

Caroline Tanhuke

13/10/2022

Date

Queries:
 Donovan Henning
 011 781 1730
 011 781 1731



Project Name:
 Proposed Alkna 120MW Solar PV & 40MW BESS Project near the Town of Orkney, Free State Province

Project No.:
 10741

Applicant:

Time:
 10:00am – 12:00pm

Date:
 10 October 2022

Place:
 Orkney Library Hall

Facilitator:
 Donovan Henning

| Name and Surname | Contact Details | Sign | Apologies |
|-------------------|---|--------------------|-----------|
| 1 Donovan Henning | <input type="checkbox"/> 011 781 1730 <input type="checkbox"/> 082 891 0604 <input checked="" type="checkbox"/> donavanh@nemai.co.za | <i>[Signature]</i> | |
| 2 MOTSEMPHE TLEKO | <input type="checkbox"/> 013 732 9453 <input checked="" type="checkbox"/> TLEKOPAZEN6@gmail.com <input type="checkbox"/> 071 603 3103 | <i>[Signature]</i> | |
| 3 Makhosi Mupato | <input type="checkbox"/> Mupatomakhosi@gmail.com | <i>[Signature]</i> | |
| 4 Kama Kocerick | <input type="checkbox"/> 0713346155 | <i>[Signature]</i> | |
| 5 David Ritz | <input type="checkbox"/> 082 055 9866 | <i>[Signature]</i> | |
| 6 Deon van Biljon | <input type="checkbox"/> 082 552 7426 <input checked="" type="checkbox"/> deon.vanbiljon@vodanetmail.co.za | <i>[Signature]</i> | |
| 7 Dennis Parnora | <input type="checkbox"/> 067 9947 3810 <input checked="" type="checkbox"/> 079 523 7532 | <i>[Signature]</i> | |
| 8 TIAAN Jonker | <input type="checkbox"/> 011 781 1731 <input checked="" type="checkbox"/> tvaanjonker89@gmail.com | <i>[Signature]</i> | |
| 9 Caroline Tshuke | <input type="checkbox"/> 063 180 6395 <input checked="" type="checkbox"/> caroline.t@nemai.co.za | <i>[Signature]</i> | |

PROPOSED ALTINA 120MW SOLAR PHOTOVOLTAIC & 40MW BATTERY ENERGY STORAGE SYSTEMS PROJECT NEAR THE TOWN OF ORKNEY, FREE STATE PROVINCE

Public Meeting

10 October 2022



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@nemai.co.za

OPENING AND WELCOME



Eskom's Jersey Distribution Substation

AGENDA

AGENDA ITEMS

- 1 Opening & Welcome
- 2 Attendance Register
- 3 Purpose of and Rules for the Meeting
- 4 Project Overview
- 5 Overview of Draft Basic Assessment Report
- 6 Discussion
- 7 Way Forward
- 8 Close

PROJECT & ENVIRONMENTAL TEAMS

| Project Role | Affiliation | Representatives |
|--|---|---|
| Applicant | Genesis Eco-Energy Developments (Pty) Ltd | ➤ K. Chetty |
| Environmental Assessment Practitioner | Nemai Green | <ul style="list-style-type: none"> ➤ D. Henning ➤ J. Davis ➤ D. Ramosa |
| Specialists | | |
| Terrestrial Ecologist Aquatic Ecologist Avifaunal Specialist | The Biodiversity Company | <ul style="list-style-type: none"> ➤ A. Husted ➤ T. Clark ➤ J. Jacobs ➤ C. Burger |
| Agricultural Specialist | Index | ➤ Dr A. Gouws |
| Heritage Specialist | | ➤ J.A. van Schalkwyk |
| Visual Specialist | Eco Elementum (Pty) Ltd | ➤ N. Breitenbach |
| Social Impact Specialist | Nemai Consulting | <ul style="list-style-type: none"> ➤ C. Chidley ➤ C. Tanhuke |
| Palaeontologist | Banzai Environmental (Pty) Ltd | ➤ E. Butler |

PURPOSE OF THE MEETING

- ❑ To provide an overview of the proposed Project.
- ❑ To present the status of the Basic Assessment Process.
- ❑ To provide an overview of the Draft Basic Assessment Report.
- ❑ To provide a platform for project-related discussions.



RULES FOR THE MEETING

- ❑ Opportunities for seeking clarification at end of presentation.
- ❑ Raise questions through the meeting facilitator.
- ❑ Identify yourself before asking a question.
- ❑ Meeting closing time.
- ❑ Cell phones off, please.

PROJECT OVERVIEW



PROJECT OVERVIEW

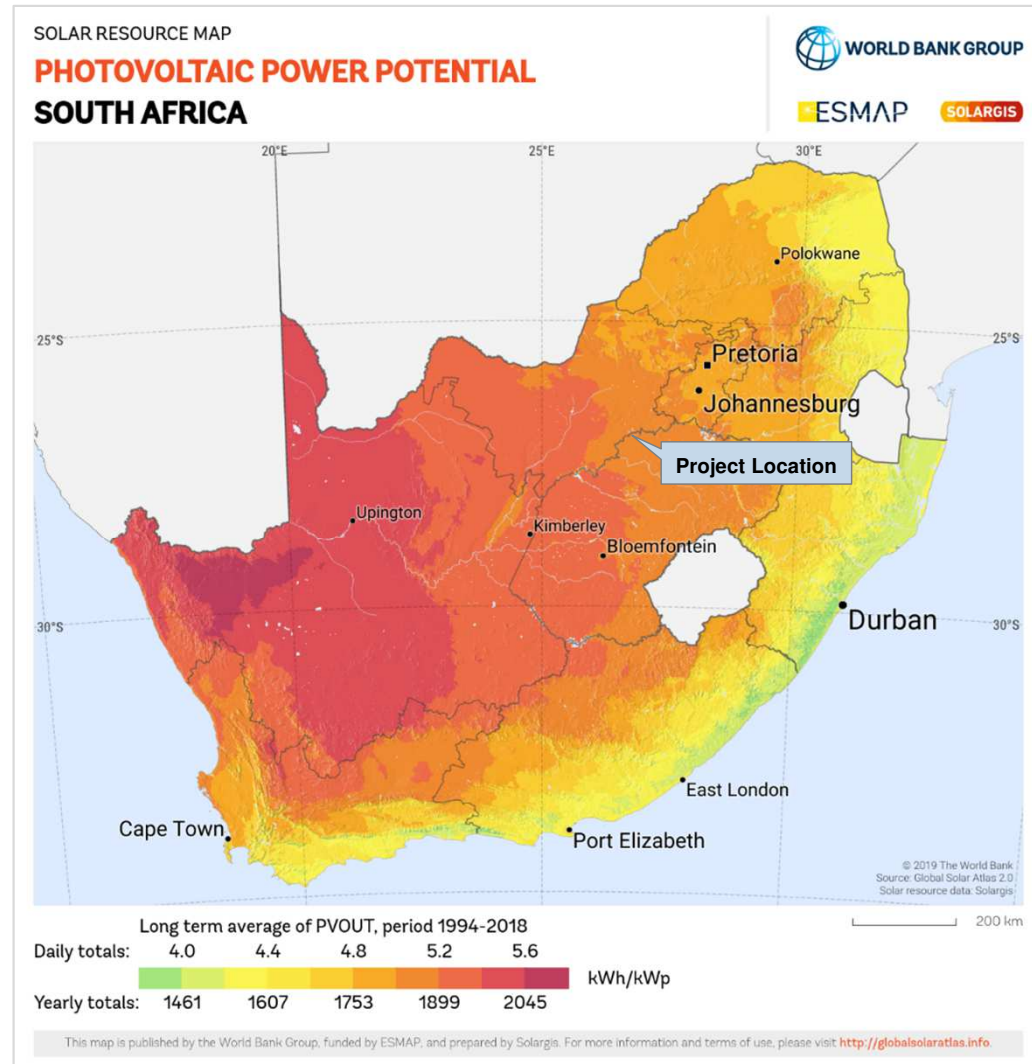
Project Background & Motivation

- ❑ SA Government ratified the Paris Agreement in 2016, thereby showed the country's commitment to contribute to the global effort to address the challenge of climate change.
- ❑ In order to match the electricity demand in SA there is a need to supply a diversified power generation that includes renewable energy technologies (Integrated Resource Plan, 2019).
- ❑ The Applicant intends to bid for the current and future REIPPPP bid windows and/or other renewable energy markets within SA.

PROJECT OVERVIEW

Project Location

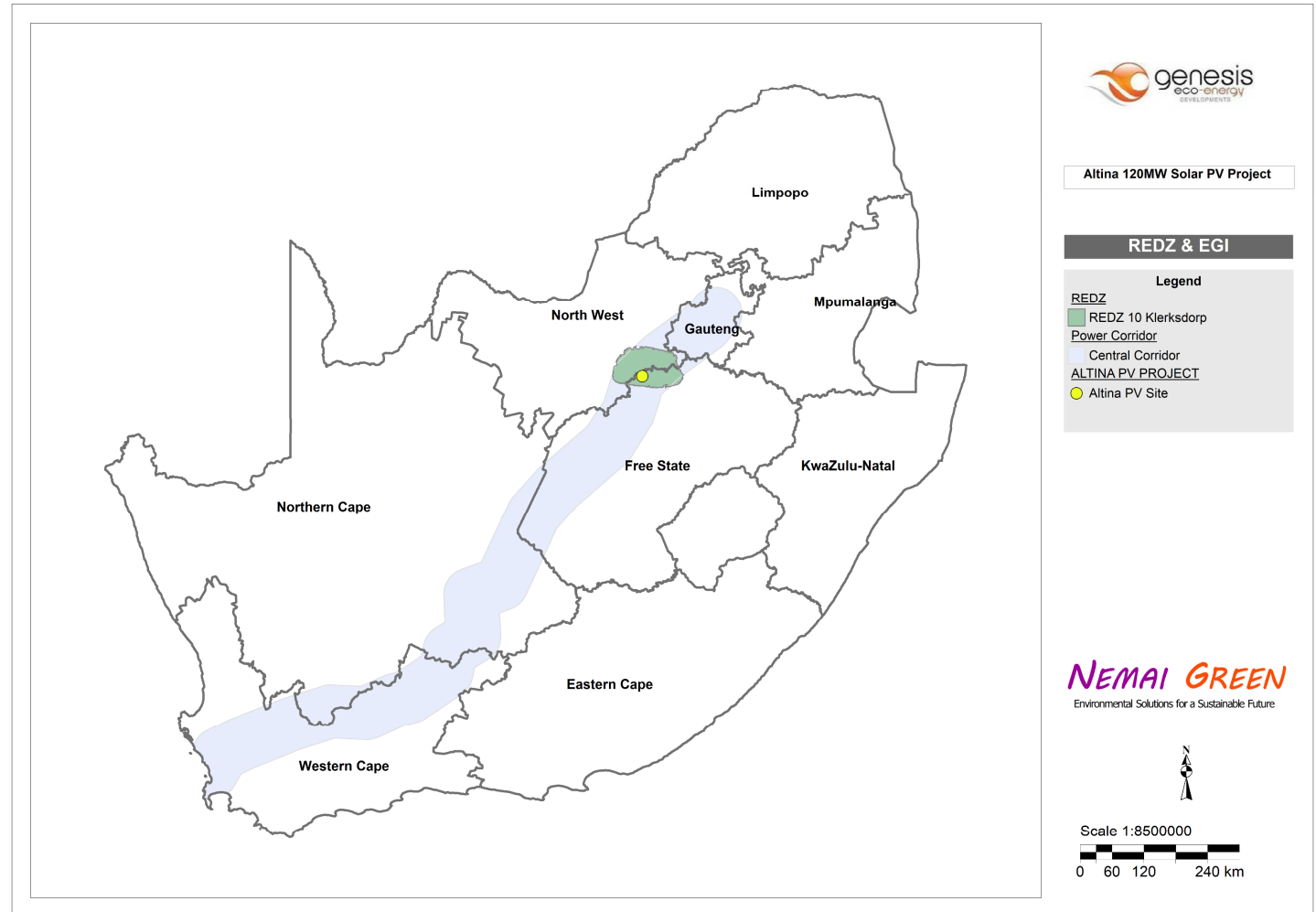
Location of the Project in relation to SA's PV power potential



PROJECT OVERVIEW

Project Location

Location of the Project in relation to Renewable Energy Development Zones & Strategic Transmission Corridors



Project Location



Altina 120MW Solar PV Project

Regional Locality Map

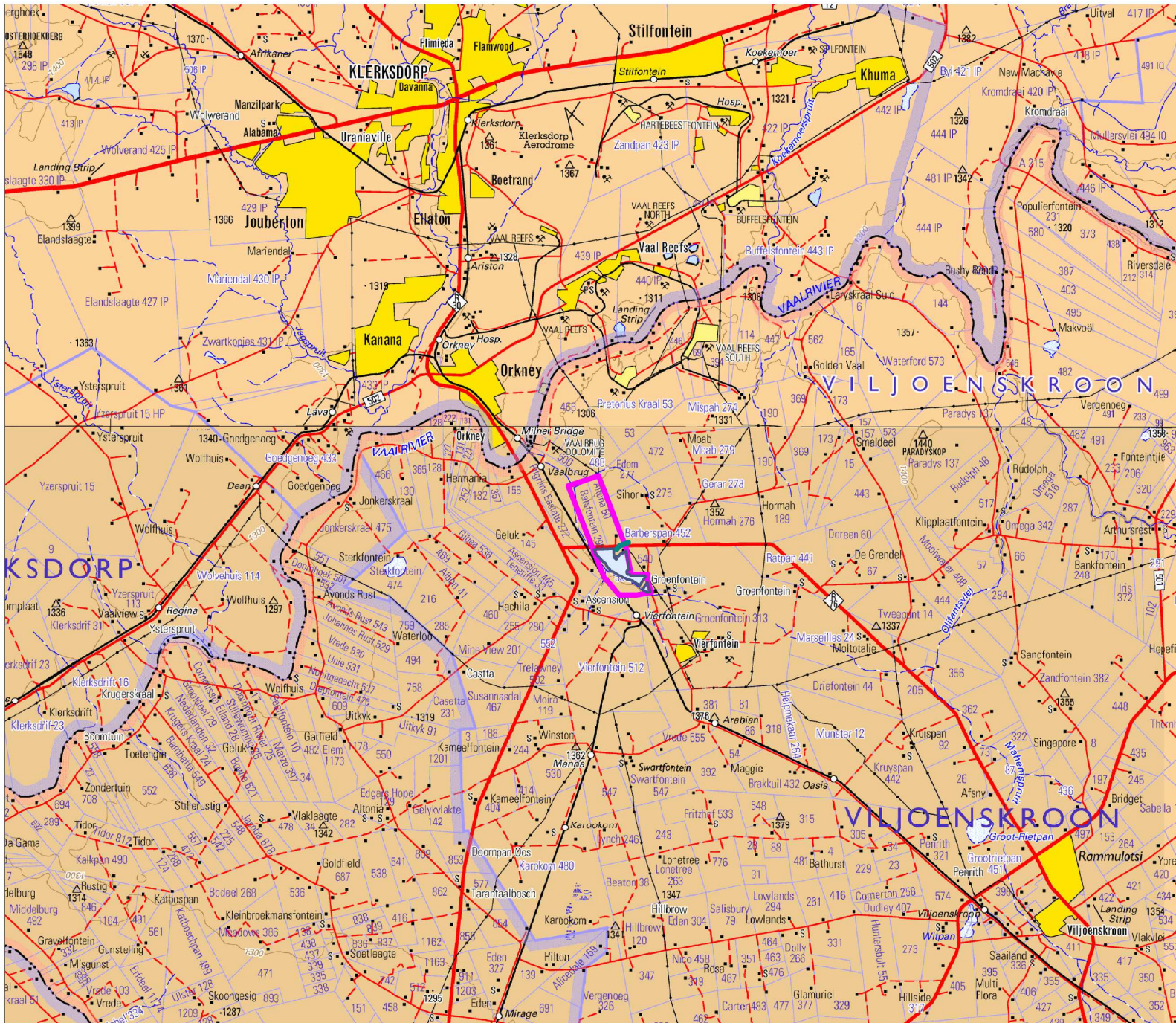
Legend

ALTINA PV PROJECT

Project Boundary

PV Footprint Area

HV Cable Route

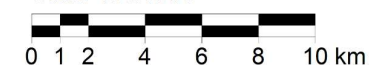


NEMAI GREEN

Environmental Solutions for a Sustainable Future



Scale 1:250000



Project Location

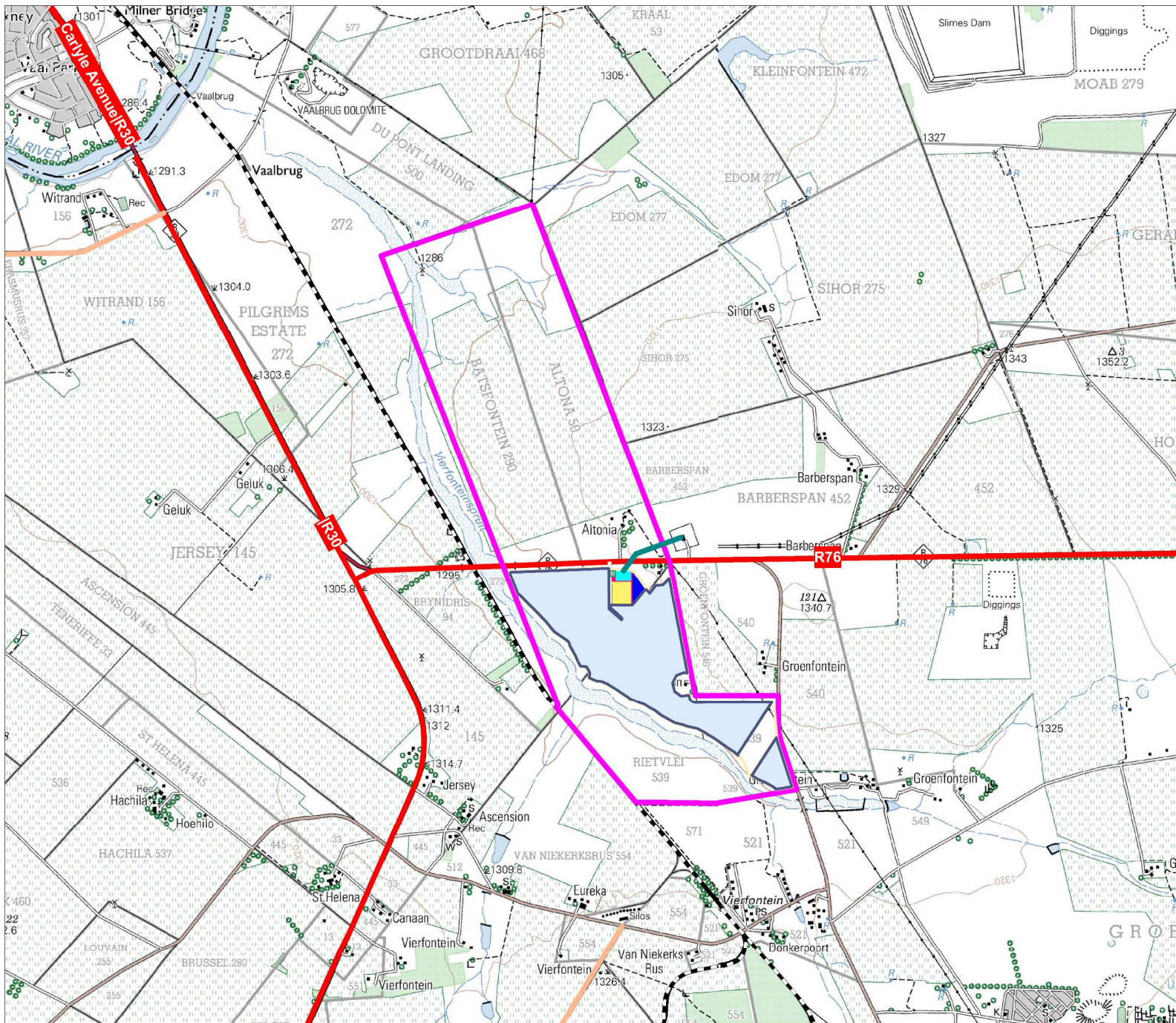


Altina 120MW Solar PV Project

Locality Map

Legend

- Railway Line
- ALTINA PV PROJECT**
- Project Boundary
- Access Road
- Plant Fence
- Hardened Area
- Facility Substation
- BESS
- Laydown Area
- O&M
- PV Footprint Area
- HV Cable Route



NEMAI GREEN

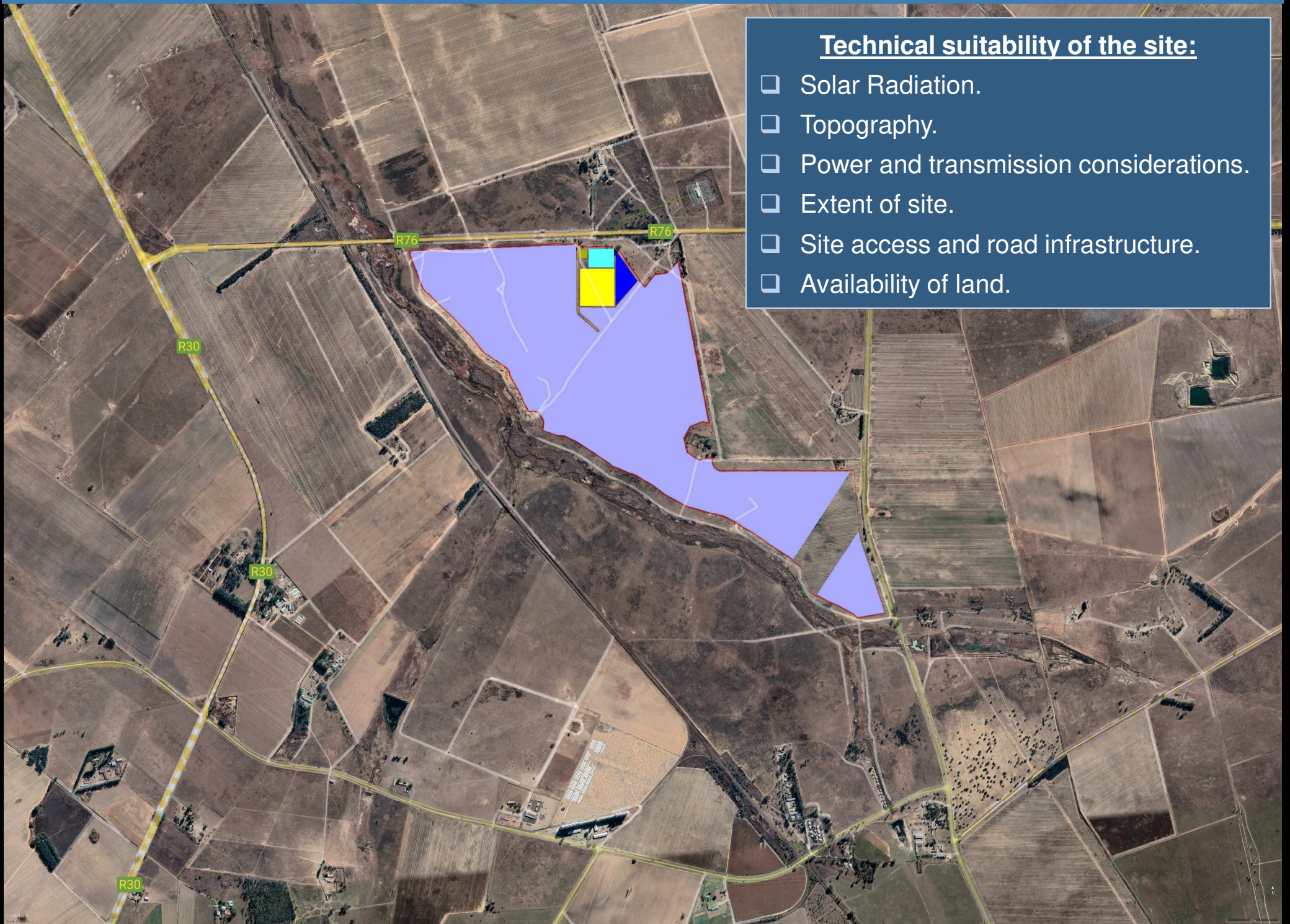
Environmental Solutions for a Sustainable Future



Scale 1:50000



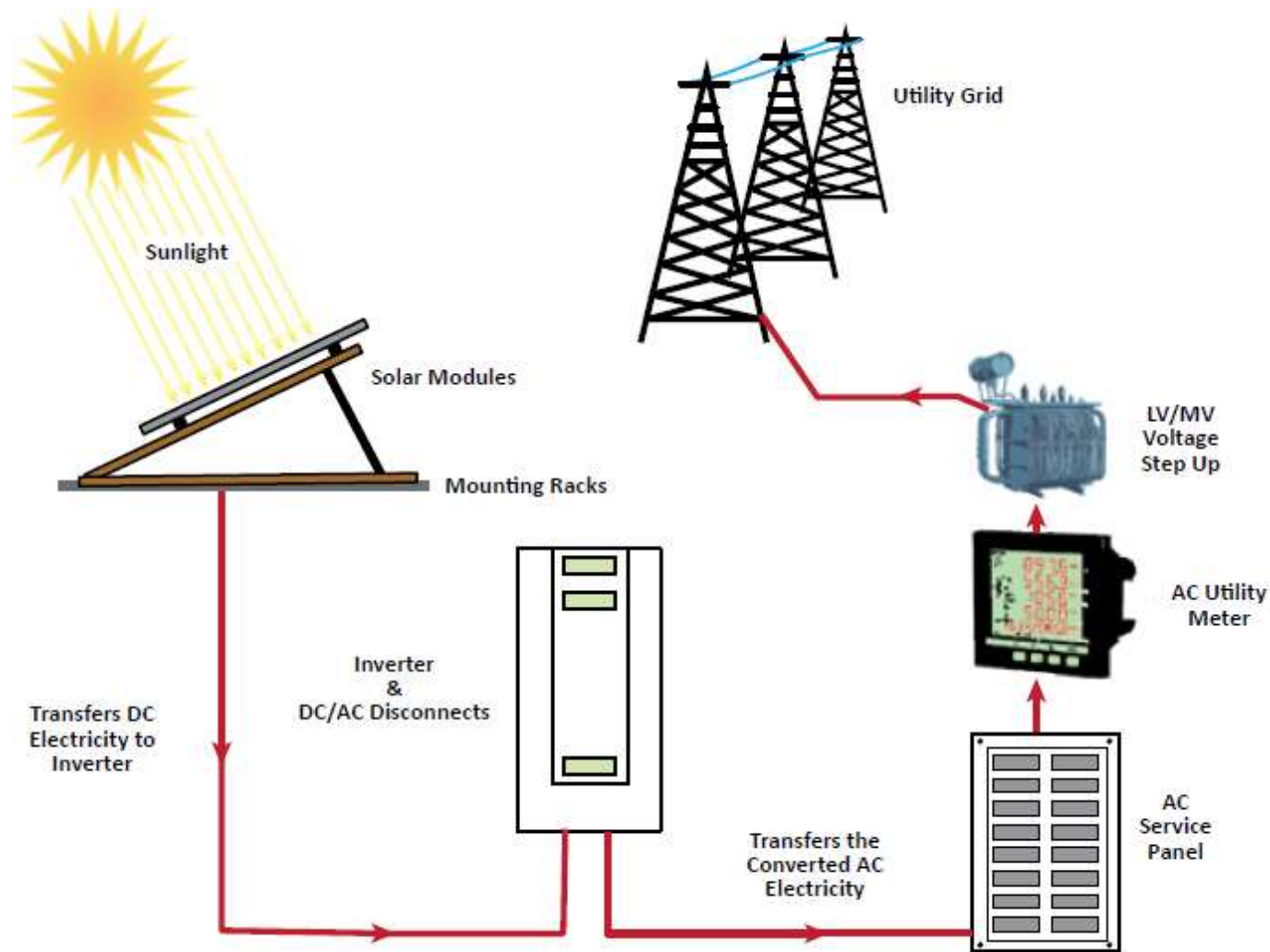
Project Location



Technical suitability of the site:

- Solar Radiation.
- Topography.
- Power and transmission considerations.
- Extent of site.
- Site access and road infrastructure.
- Availability of land.

PROJECT OVERVIEW



Overview of Solar PV Power Plant (IFC, 2015)

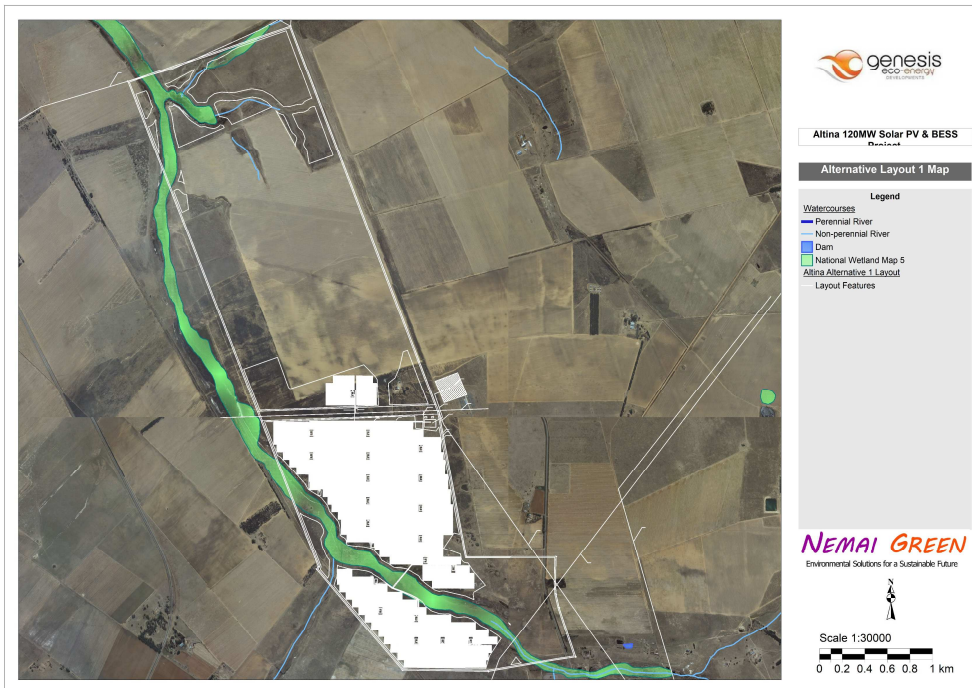
PROJECT OVERVIEW

| Component | Description / Dimensions |
|--|--|
| Height of PV panels | ± 2m |
| Area of PV Array | 162.43 ha |
| Number of inverters required | 25 |
| Area occupied by inverter / transformer stations / substations | Area occupied by inverters = 2.5 ha Area occupied by on-site substation = 1.49 ha |
| Capacity of on-site substation | 160MW, 132 kV/22kV |
| Area occupied by both permanent and construction laydown areas | Construction laydown area = 1,84 ha Overall hardstanding area (inclusive of laydown area, OSS, O&M area, BESS) = 9.18 ha. |
| Area occupied by buildings | Area occupied by Operation & Maintenance Building = 0,25 ha |
| Length of internal roads | ~10 km |
| Width of internal roads | 12m reserve and 4m road |
| Proximity to grid connection | ~0,66km |
| Height of fencing | 2.4m |
| Type of fencing | Type will vary around the site, welded mesh, palisade and electric fencing |

PROJECT OVERVIEW

Alternatives

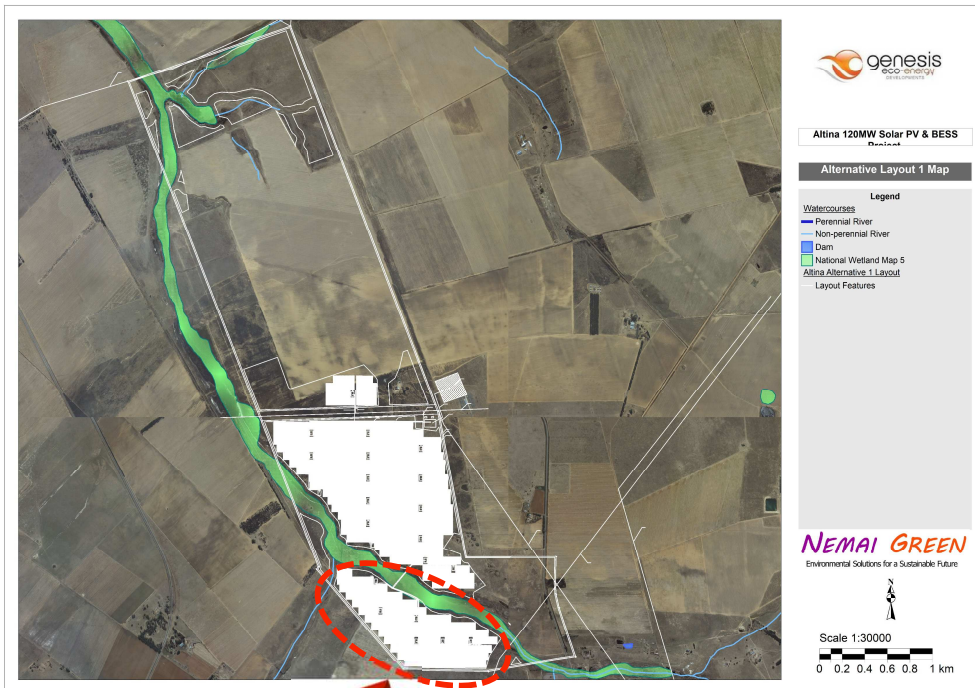
Layout Alternatives:



PROJECT OVERVIEW

Alternatives

Layout Alternatives:



PROJECT OVERVIEW

Alternatives

Technology Alternatives:

Monofacial or bifacial solar panels used on either fixed mounting system or tracking mounting system.

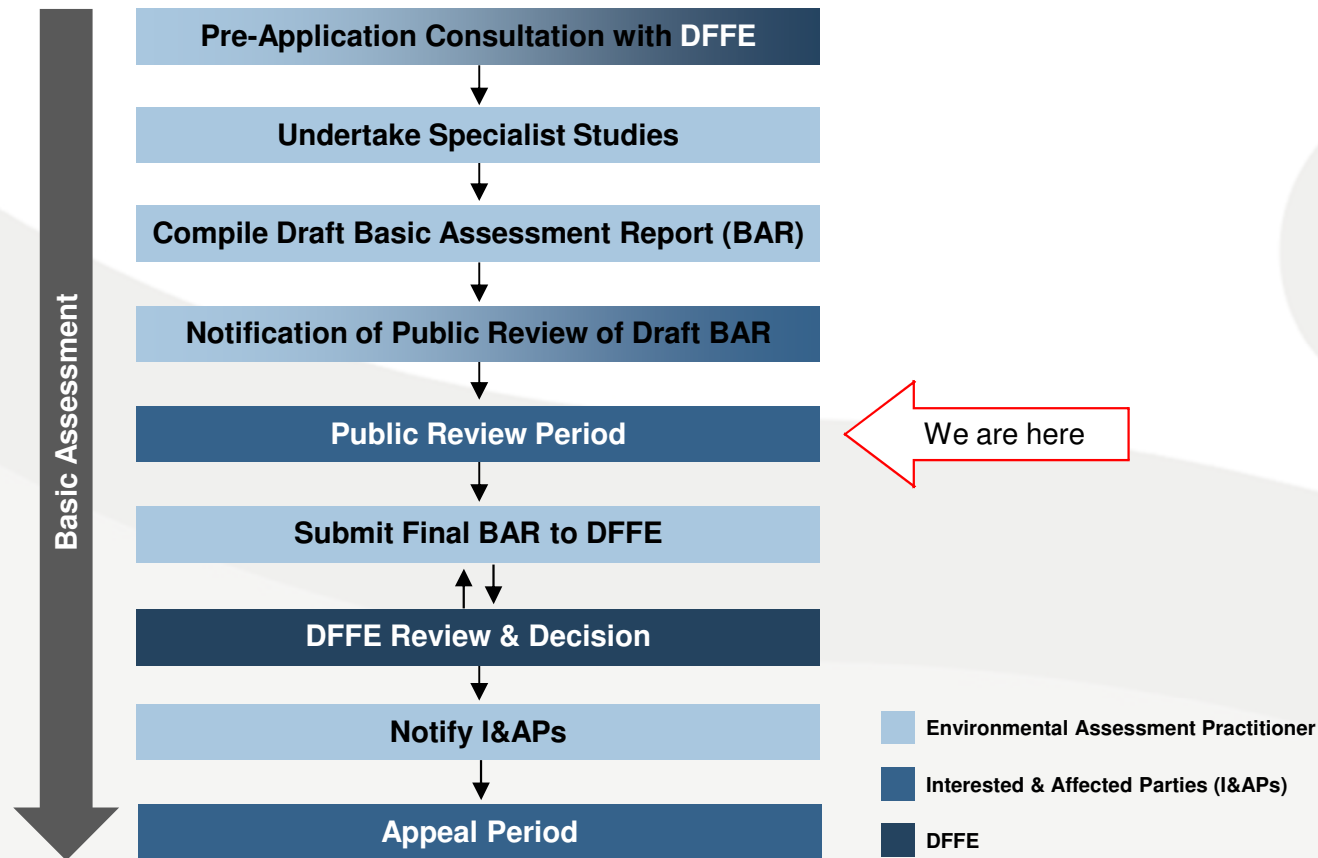


OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT



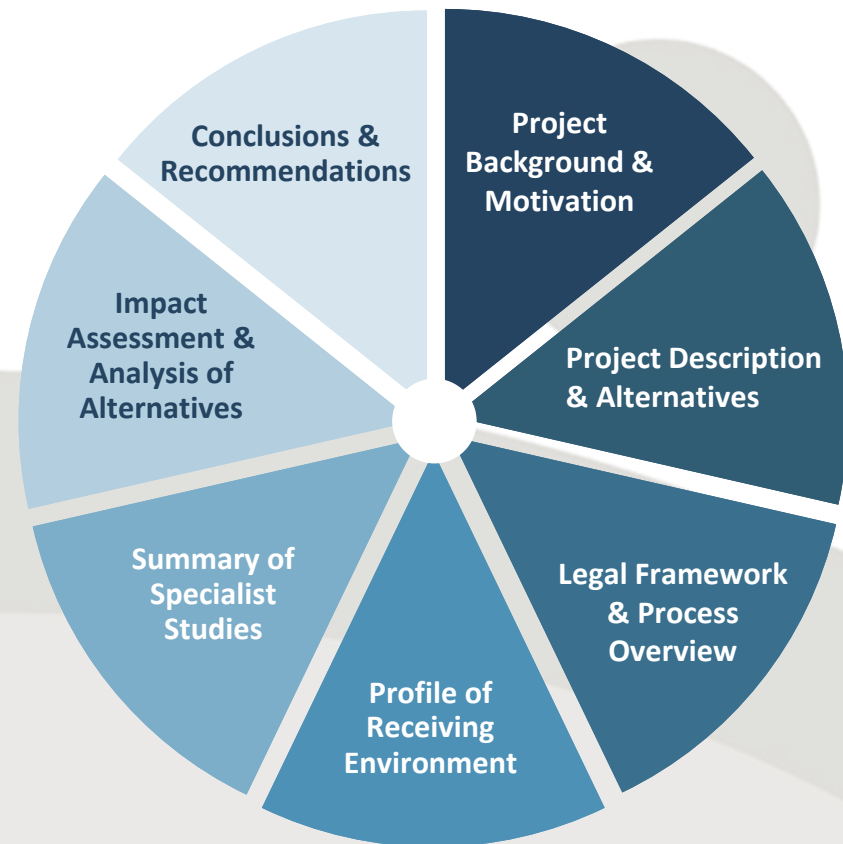
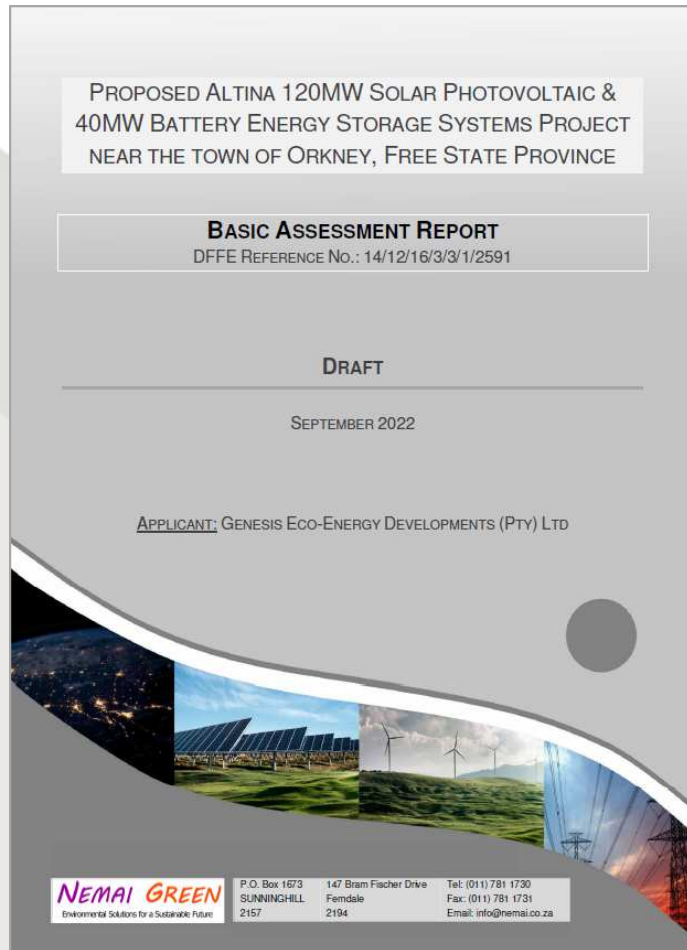
OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Status of Basic Assessment Process



OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Content of the Basic Assessment Report



OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Environmental Legal Framework

Constitution of the Republic of South Africa

National Environmental Management Act (Act No. 107 of 1998)

EIA Regulations (as amended):

- ✓ • GN No. 982 of 4 December 2014 (as amended)
- ✓ • GN No. 983 of 4 December 2014 (as amended)
- ✓ • GN No. 984 of 4 December 2014 (as amended)
- ✓ • GN No. 985 of 4 December 2014 (as amended)

National Water Act (Act No. 36 of 1998)

National Environmental Management Air Quality Act (Act No. 39 of 2004)

National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004)

National Environmental Management: Waste Act (Act No. 59 of 2008)

National Forests Act (No. 84 of 1998)

National Heritage Resources Act (Act No. 25 of 1999)

Mineral and Petroleum Resources Development Act (Act No. 28 of 2002)

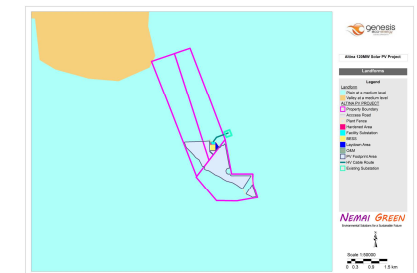
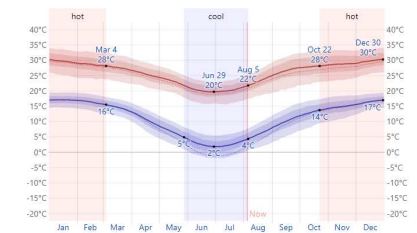
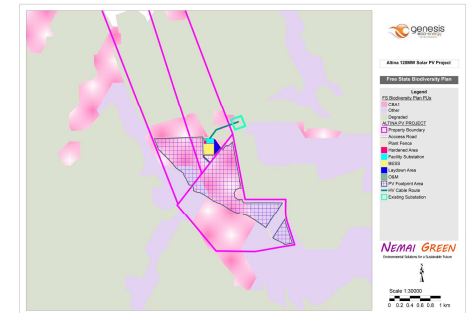
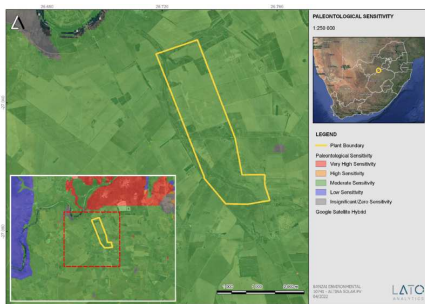
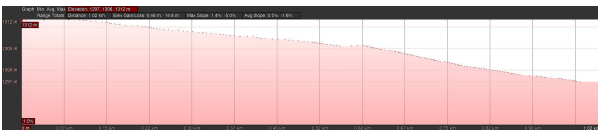
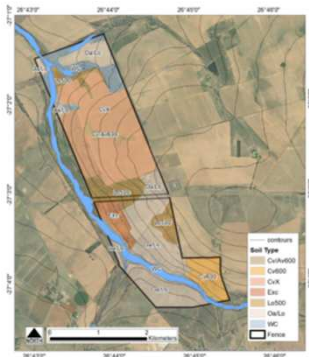
Free State Province Nature Conservation Ordinance 8 of 1969

Other...

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Profile of the Receiving Environment

- Land Use
- Climate
- Geology
- Soils
- Topography
- Surface Water
- Flora
- Fauna
- Socio-Economic Environment
- Agriculture
- Air quality
- Noise
- Heritage & Palaeontological Features
- Planning
- Existing Structures & Infrastructure
- Transportation
- Health



OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

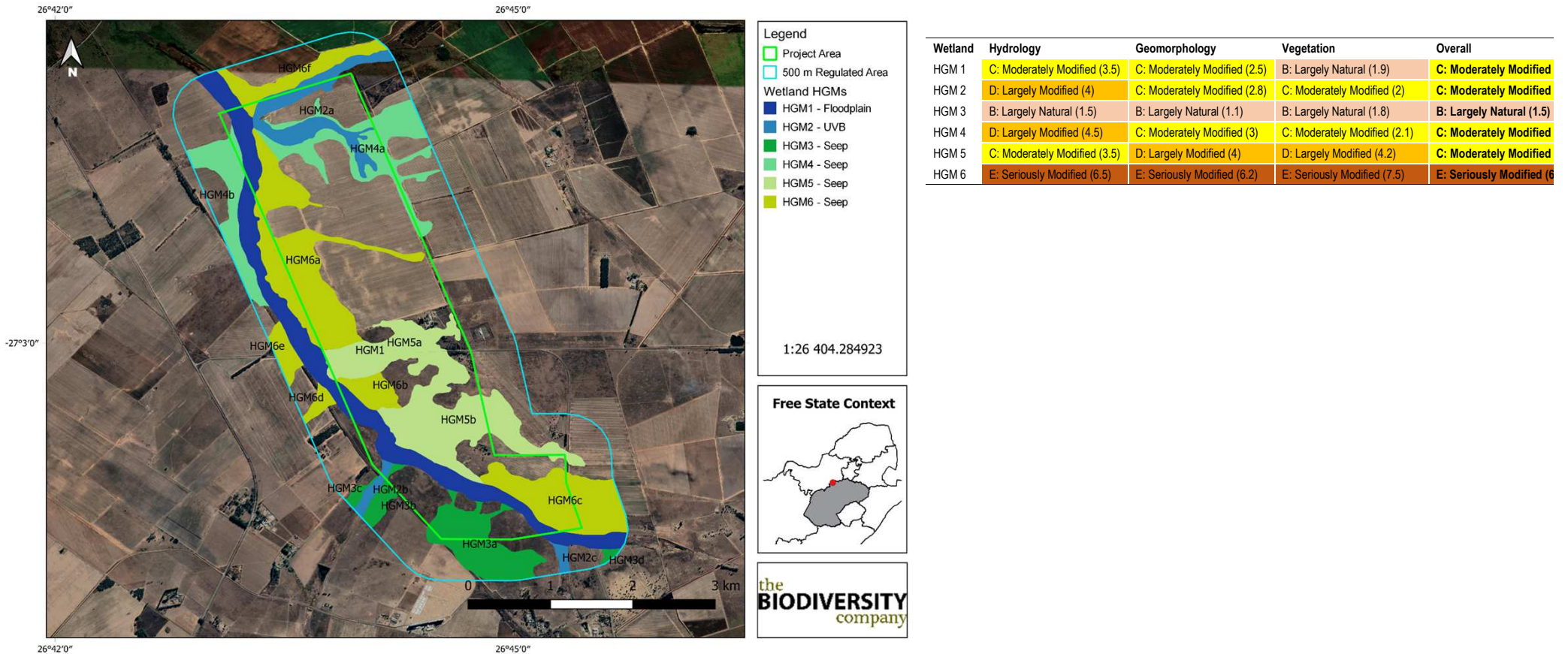
Specialist Studies

1. Wetland Delineation and Risk Assessment
2. Terrestrial Ecological Assessment
3. Avifaunal Assessment
4. Agricultural Potential Impact Assessment
5. Heritage Impact Assessment
6. Desktop Palaeontological Impact Assessment
7. Visual Impact Assessment
8. Social Impact Assessment

Key findings

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Wetland Delineation & Risk Assessment



| Aspect | HGM 1 | HGM 2 | HGM 3 | HGM 4 | HGM 5 | HGM 6 |
|-------------------------------------|----------|----------|---------|----------|---------|---------|
| Ecological Importance & Sensitivity | VH (3.5) | VH (3.1) | H (2.8) | VH (3.4) | H (2.5) | L (0.5) |

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

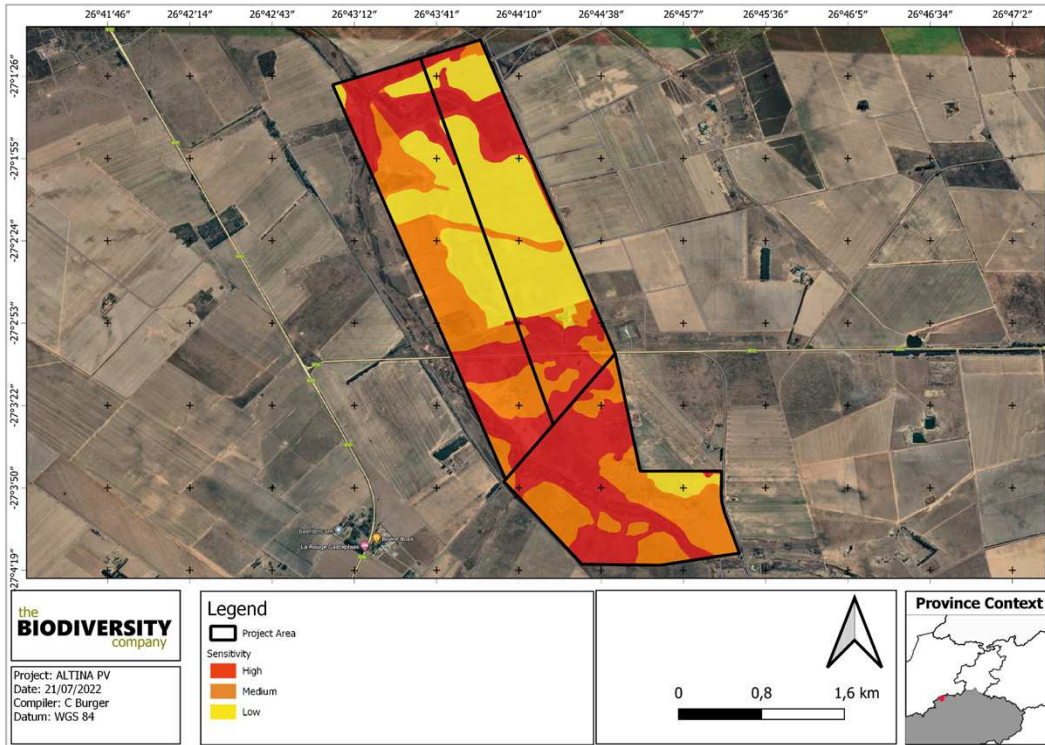
Specialist Studies: Wetland Delineation & Risk Assessment



- The project is conceivably viable from a wetland perspective.
- Minimise placement of solar PVs and associated infrastructure within wetlands, as far as possible. Complete wetland avoidance will not be feasible.
- Allow subsurface flow of water beneath the solar panels.
- Development within the wetlands will require a WULA.
- Wetland Offset Strategy required.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Terrestrial Ecology Assessment



| Habitat (Area) | Conservation Importance | Functional Integrity | Biodiversity Importance | Receptor Resilience | Site Ecological Importance |
|--------------------|--|---|-------------------------|---------------------|----------------------------|
| Wetlands | Medium > 50% of receptor contains natural habitat with potential to support SCC | High Large (> 20 ha but < 100 ha) intact area for any conservation status of ecosystem type or > 10 ha for EN ecosystem types. Good habitat connectivity with potentially functional ecological corridors and a regularly used road network between intact habitat patches | Medium | Low | High |
| Wetlands | Low < 50% of receptor contains natural habitat with limited potential to support SCC. | Low Several minor and major current negative ecological impacts. | Low | Low | Medium |
| Degraded Grassland | Medium > 50% of receptor contains natural habitat with potential to support SCC | Medium Only narrow corridors of good habitat connectivity or larger areas of poor habitat connectivity and a busy used road network between intact habitat patches. Mostly minor current negative ecological impacts, with some major impacts and a few signs of minor past disturbance. | Medium | Medium | Medium |
| Transformed | Low < 50% of receptor contains natural habitat with limited potential to support SCC. | Low Several minor and major current negative ecological impacts. | Low | Medium | Low |

- No fatal flaws are evident for the proposed project.
- It is the opinion of the specialists that the project location, may be favourably considered on condition that all prescribed mitigation measures and supporting recommendations are implemented.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Avifaunal Assessment



OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

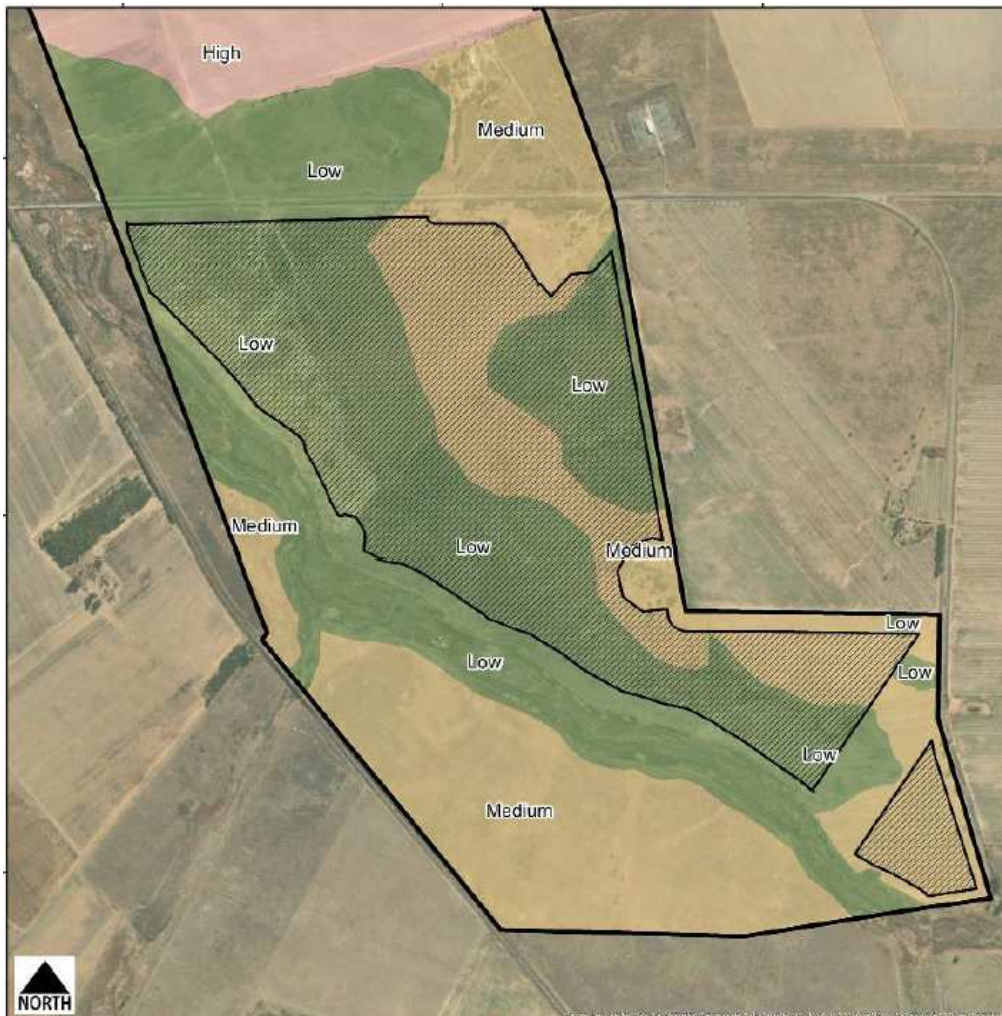
Specialist Studies: Avifaunal Assessment



- ❑ Although no SCC were observed during the site visit, ideal breeding habitat was identified along the floodplain wetland particularly in the far north of the project area for two threatened species namely the Endangered African Marsh Harrier and African Grass Owl.
- ❑ In terms of avifaunal sensitivity, the floodplains and valley-bottom wetlands were designated High sensitivity.
- ❑ It is the opinion of the specialist that the project should be considered favourably from an avifaunal perspective, provided infrastructure Alternative 2 is taken and the suggested mitigation effectively applied

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Agricultural Potential Impact Assessment



- ❑ High capability land for crop production (Class ii and iii) occurs in the central portion of the land, north of the tarred road.
- ❑ The buildable area was confined to the uncultivated portion of the farm. It consists mainly of shallower uneven and mined land that has medium sensitivity.
- ❑ All highly sensitive land was retained for cropping and will not be impacted on by the development.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

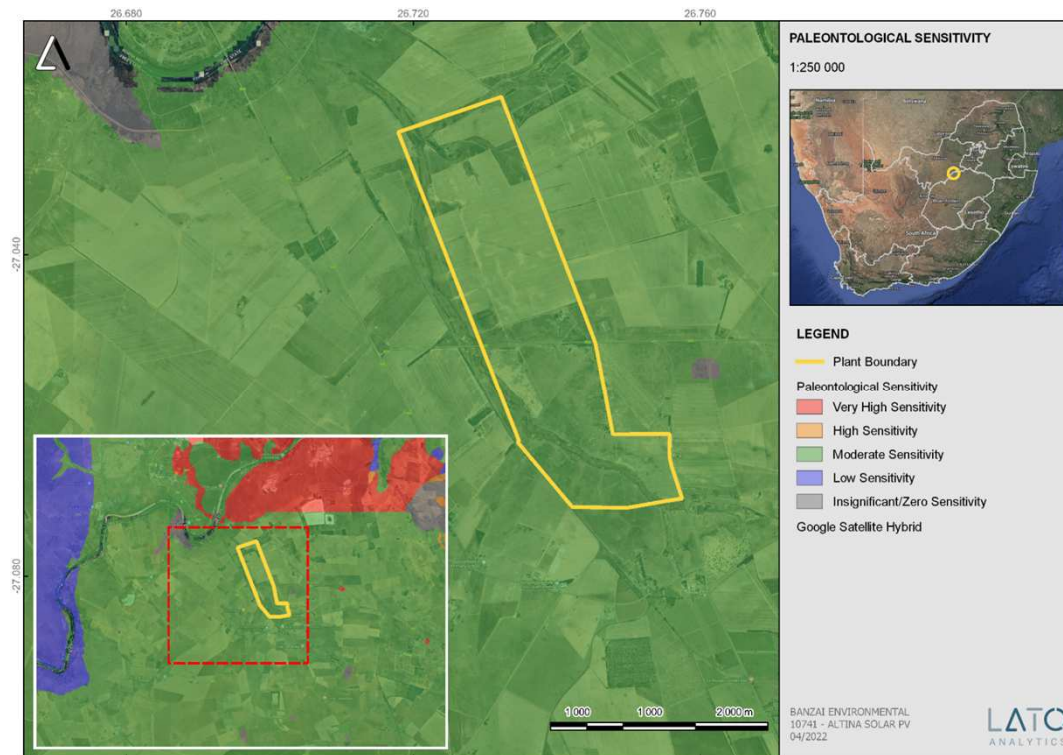
Specialist Studies: Heritage Impact Assessment



- ❑ The cultural landscape qualities of the region are made up of a pre-colonial element consisting of very limited Stone Age and Iron Age occupation, as well as a much later colonial (farmer) component, which also gave rise to an urban component.
- ❑ During the survey no sites, features or objects of cultural significance were identified.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Desktop Palaeontological Impact Assessment

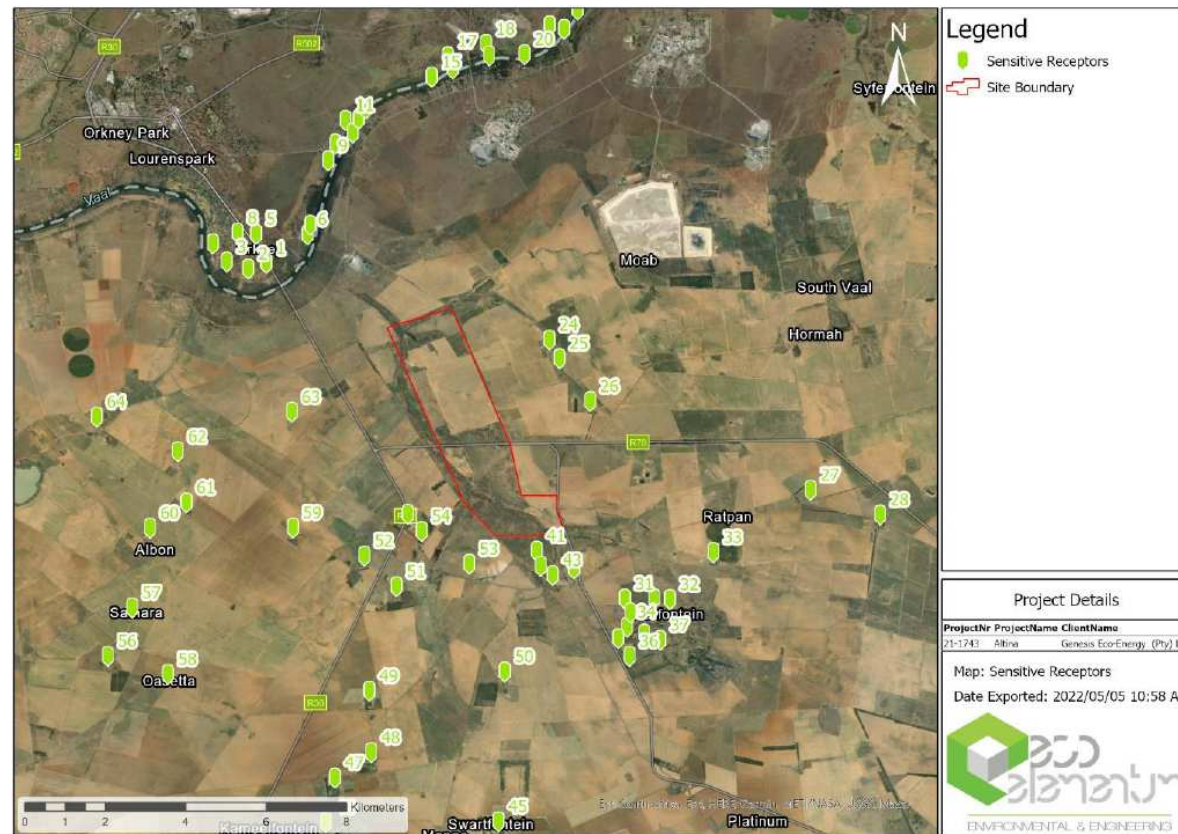


- ❑ PalaeoMap (SAHRIS) indicates that the Palaeontological Sensitivity is moderate. The underlying sediments will not be impacted by the development as the structures will not penetrate that deep.
- ❑ It is therefore considered that the proposed development will not lead to detrimental impacts on the palaeontological resources of the area.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Visual Impact Assessment

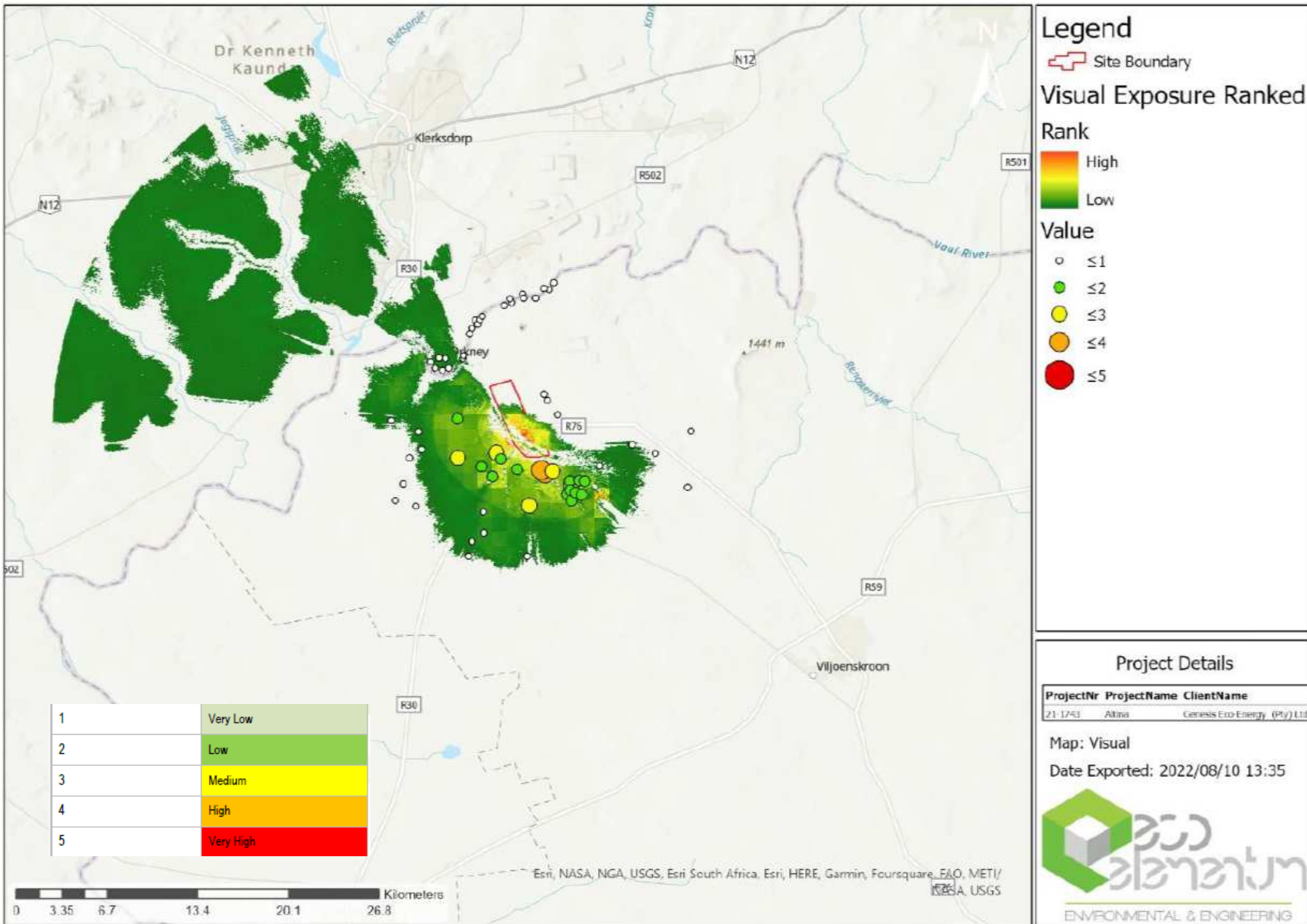
Sensitive Receptors



Viewshed Analysis:

Visual Exposure Ranking of all areas where it may be possible to see the proposed development (land cover, slope, aspect, ruggedness, relative elevation, landforms and slope position).

Viewpoint sensitive receptors overlaid on the Visual Exposure Ranking for Alternative 2



| | |
|---|-----------|
| 1 | Very Low |
| 2 | Low |
| 3 | Medium |
| 4 | High |
| 5 | Very High |

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Specialist Studies: Social Impact Assessment



- ❑ The project site has very few social receptors surrounding the site, and the project has a low footprint on the social environment.
- ❑ The social and economic impacts of the project are expected to be mainly positive in the sense that the local economy will be stimulated and broadened. The negative impacts are limited in nature and scope and can be successfully mitigated by management rules and practices.
- ❑ It is therefore found that the project, once the recommended mitigation measures have been implemented, has a net positive impact on the social environment of the regional study area.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Impact Assessment

Identification of Impacts:

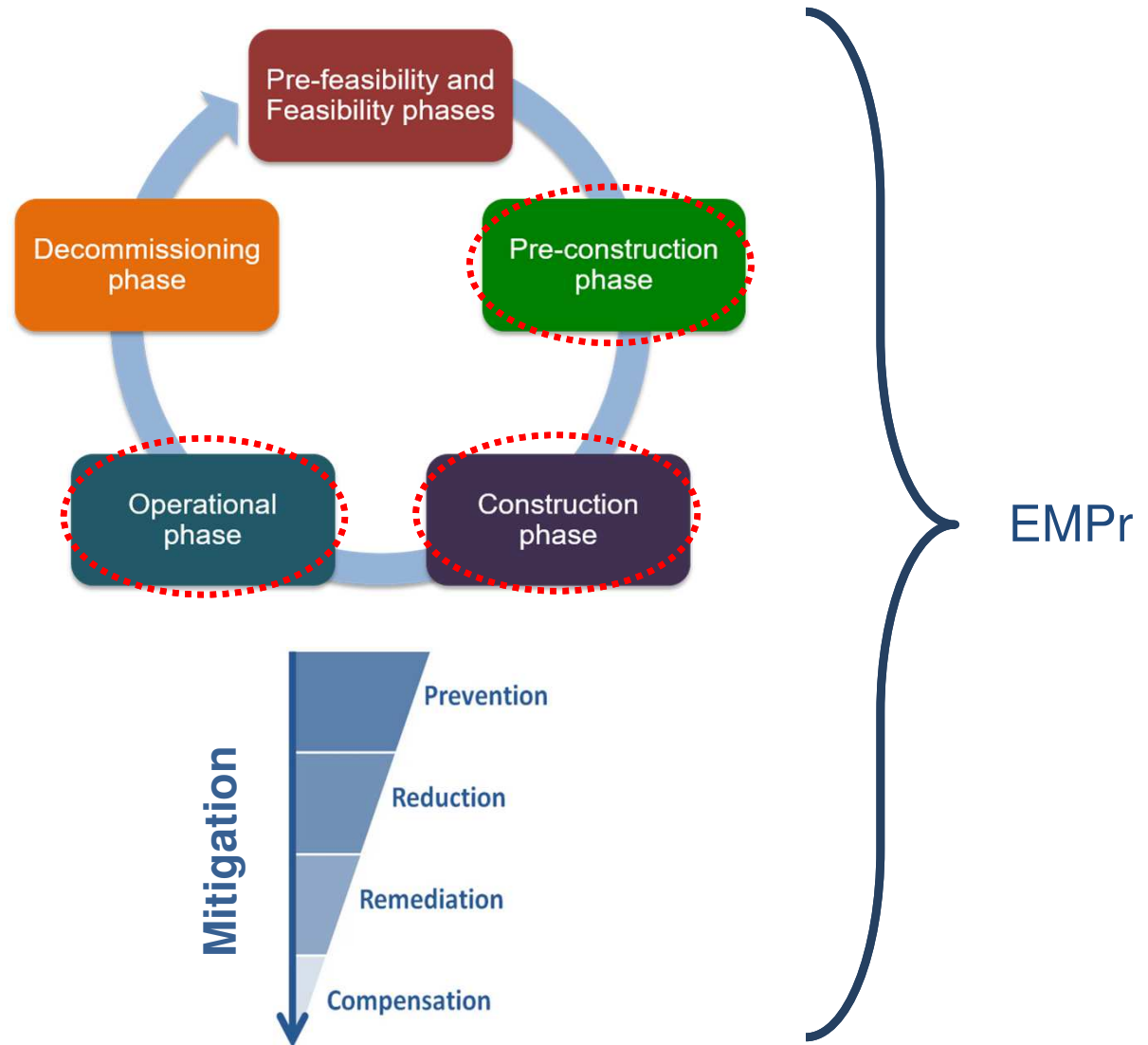
- ❑ An appraisal of the **project activities and components**.
- ❑ Impacts associated with **listed activities** contained in EIA Regulations.
- ❑ An assessment of the receiving biophysical, social, economic and built environment.
- ❑ Findings from **specialist studies**.
- ❑ Issues highlighted by **environmental authorities**.
- ❑ Comments received during **public participation** from I&APs.

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Impact Assessment & Mitigation Measures

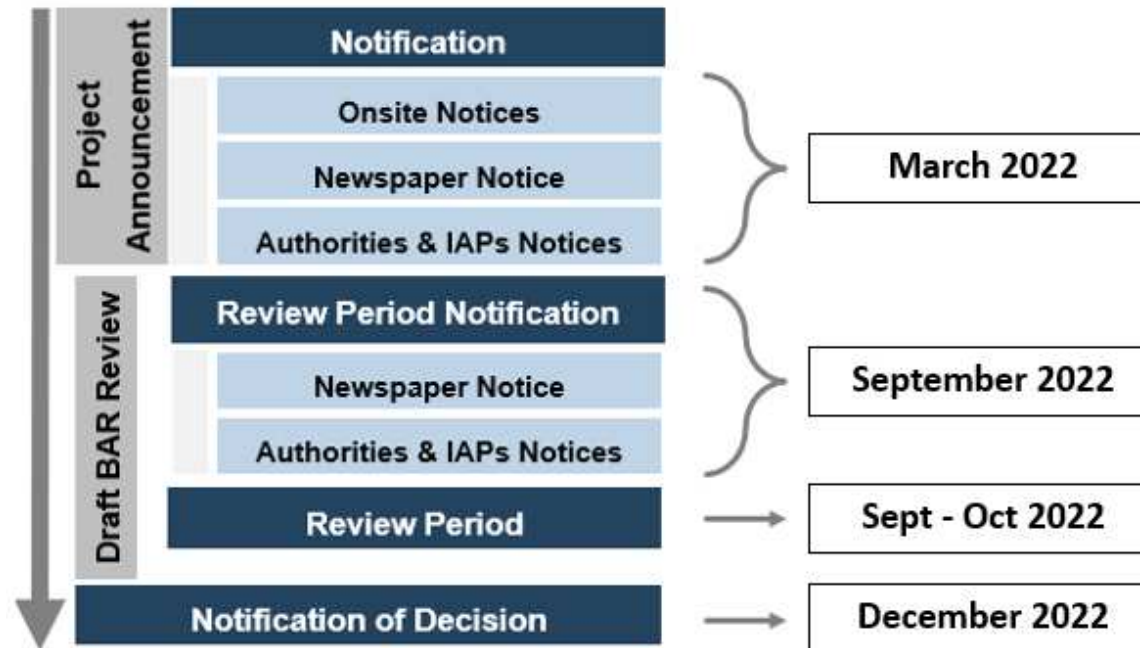
Impact Categories

1. Land Use
2. Soils
3. Geohydrology
4. Surface Water
5. Terrestrial Ecology
6. Avifauna
7. Agriculture
8. Air quality
9. Noise
10. Heritage
11. Palaeontology
12. Visual
13. Air Quality
14. Noise
15. Hazardous Substances & Waste
16. Traffic
17. Existing Structures & Infrastructure
18. Health and Safety
19. Socio-Economic Environment



OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Public Participation



Draft BAR review period: 16 Sept until 17 Oct 2022

OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT

Conclusions and Recommendations

Environmental Impact Statement:

- ❑ The rationale for the siting of the overall Project is based on its suitable geographic location, including the area's high solar yield area, relatively flat topography, sparsely populated land, and proximity to an existing grid connection
- ❑ The PV site alternatives that were assessed as part of the Basic Assessment were based on the layouts that were compiled through incorporation of specialist input to avoid the environmentally sensitive features, including visual, palaeontology, heritage, biophysical and social, as far as possible.
- ❑ Based on the recommendations of the specialists, technical considerations, and the comparison of the impacts, Alternative 2 was identified as the BPEO.
- ❑ Conditions recommended for inclusion into the Environmental Authorisation (if granted).

DISCUSSION

Thank you



NEMAI GREEN

Environmental Solutions for a Sustainable Future

Company: Nemai Green
Contact Person: Donovan Henning
Tel: (011) 781 1730
Fax: (011) 781 1731
Email: donavanh@nemai.co.za
Postal Address: PO Box 1673, Sunninghill, 2157