

APPENDIX E5
MINUTES OF ANY PUBLIC AND/OR
STAKEHOLDER MEETINGS



**BASIC ASSESSMENT AND PUBLIC PARTICIPATION
PROCESS FOR THE
QUANTUM 1 SOLAR FACILITY AND ASSOCIATED
INFRASTRUCTURE LOCATED NEAR KRUGERSDORP,
GAUTENG PROVINCE**

**MEETING NOTES OF THE FOCUS GROUP MEETING HELD WITH KEY
STAKEHOLDERS
HELD ON WEDNESDAY, 20 SEPTEMBER 2023 AT 09H00
VENUE: MICROSOFT TEAMS, VIRTUAL MEETING**

Notes for the Record prepared by:

Cornelius Holtzhausen
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

QUANTUM 1 SOLAR FACILITY AND ASSOCIATED INFRASTRUCTURE.

MEETING ATTENDEES

| Name | Position / Directorate |
|---|--|
| Savannah Environmental | |
| Cornelius Holtzhausen | Social Impact Assessment and Public Participation Consultant |
| Michael Morreira | Environmental Assessment Practitioner |
| Chantelle Geyer | Environmental Assessment Practitioner |
| South Africa Mainstream Renewable Power Developments | |
| Stevie Txala | Development Executive |
| South African Weather Service | |
| Rydall Jardine | Manager: Technical Service |

APOLOGIES

None submitted.

WELCOME AND INTRODUCTION

Cornelius Holtzhausen welcomed the attendees at the Key Stakeholder Workshop (KSW) for the Quantum 1 Solar Facility and Associated Infrastructure and requested the project team members to introduce themselves and thereafter the attendees. He presented the draft Agenda and the purpose of the meeting.

Michael Morreira presented an overview of the project and a summary of the key environmental findings as documented in the Basic Assessment Report for the Quantum 1 Solar Facility and Associated Infrastructure which is currently available for a 30-day review and comment period. Information regarding the project was also shared with the attendees.

DISCUSSION SESSION

| Question / Comment | Response |
|---|----------|
| No Comments or Questions were raised during the question and answer section of the presentation. | |

WAY FORWARD AND CLOSURE

Cornelius Holtzhausen informed the attendees that the presentation and link to the BAR on Savannah Environmental's website will be e-mailed to them. He thanked the attendees for making time to attend the KSW and for their valuable input into the process and comments submitted.

A copy of the slides that would be presented during the FGM is attached as **Appendix A**.

The meeting closed at 09h36.

TABLE OF ABBREVIATIONS / ACRONYMS

| | | | |
|-----|---------------------|-----|--------------------------|
| FGM | Focus Group Meeting | KSW | Key Stakeholder Workshop |
|-----|---------------------|-----|--------------------------|

Cornelius Holtzhausen

From: Cornelius Holtzhausen
Sent: Wednesday, 20 September 2023 12:32
Cc: Savannah Public Process
Subject: RE: SE3624-Quantum 1 Solar Facility: Invitation to Focus Group Meeting (Key Stakeholder Workshop)
Attachments: Quantum 1 SEF BAR Public Meeting Presentation.pdf; SE3624-Quantum 1 PV BA Notification Letter FINAL.pdf

**BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: 002/23-24/E3722)**

Dear Key Stakeholders Stakeholders

With reference to the Focus Group Meeting held on Wednesday, 20 September 2023, please find attached a copy of the presentation.

Just a friendly reminder that the BA Report is available for download from our website: <https://savannahsa.com/public-documents/energy-generation/quantum-1-solar-energy-facility/> and that the review and comment period is ending on **2 October 2023**.

The Savannah Team is available should you have any questions or comments regarding the proposed Quantum 1 Solar Energy Facility.

Thank you.
Kind regards,



t: +27 (0) 11 656 3237
f: +27 (0) 86 684 0547

Cornelius Holtzhausen
Public Participation and Social
Consultant

e: Cornelius@savannahsa.com

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Processing of personal Information / POPIA compliance

We respect your privacy and acknowledge that this e-mail will contain Personal Information, which may belong to you, others and/or to your organization and which we will process. The processing of your personal information by Savannah Environmental may be included in reports submitted to governmental departments or on our public platforms, which processing will be done in accordance with our processing notice housed on our website - <https://savannahsa.com/privacy-policy-privacy-policy-page/>. By sending and/or receiving this message, you hereby consent to the lawful processing of personal information for the intended purposes, as described by the Protection of Personal Information Act, 2013 (Act No 4 of 2013).

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-----Original Appointment-----

From: Brenda Ton <Brenda@savannahsa.com>

Sent: Tuesday, September 12, 2023 9:37 AM

To: Brenda Ton; gauteng@agrisa.co.za; janse@agrisa.co.za; JohannaM@atns.co.za; simphiwem@atns.co.za; BJoubert@cellc.co.za; hkaseepursad@cellc.co.za; MOtto@cellc.co.za; eia@ewt.org.za; jons@ewt.org.za; john.geeringh@eskom.co.za; WayleavesWesternOU@eskom.co.za; wayleaveJHB@eskom.co.za; marecc@eskom.co.za; RenewableEnergyApplications.ZA@mtn.com; VivianG@openserve.co.za; tgames@prasa.com; Nicholus.Funda@sanparks.org; pauld@sanparks.org; peter.novellie@sanparks.org; mabason@nra.co.za;

botav@nra.co.za; koegelenbergJ@sentech.co.za; finnism@sentech.co.za; MotlhakeS@sentech.co.za; mannellz@sentech.co.za; shogolee@caa.co.za; obstacles@caa.co.za; atiplady@ska.ac.za; bsethole@ska.ac.za; smatlhane@sarao.ac.za; temonama@ska.ac.za; Bernard.Petlane@weathersa.co.za; Rydall.jardine@weathersa.co.za; WayleaCR@telkom.co.za; yolanf@ewt.org.za; Given.Mashiane@transnet.net; allona.majola@transnet.net; Philisiwe.Selwane@transnet.net; hennie.barnard@vodacom.co.za; johan.theron@vodacom.co.za; junior.adriaanse@vodacom.co.za; spothil@gmail.com; Jo-Anne Thomas; Chantelle Geyer; Michael Morreira; Lizemarie.Tolken@mainstreamrp.com; Stevie Txala

Subject: SE3624-Quantum 1 Solar Facility: Invitation to Focus Group Meeting (Key Stakeholder Workshop)

When: Wednesday, 20 September 2023 09:00-10:30 (UTC+02:00) Harare, Pretoria.

Where: Microsoft Teams Meeting

**BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: 002/23-24/E3722)**

Dear Key Stakeholders,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province.

Savannah Environmental would like to invite you to this virtual Teams Meeting where we will be presenting the following:

- A brief background to the proposed project;
- An overview of the Basic Assessment Process followed;
- A summary of the key environmental findings and mitigation measures as documented in the Basic Assessment Report (BAR);
- Providing you with an opportunity to seek clarity on the environmental findings and mitigation measures as documented within the BAR and raise any additional comments and/or concerns; and
- To record comments raised at the Virtual meeting.

Should you not be able to attend the KSW, you are most welcome to forward this invitation to a colleague within your Department / Organization to attend on your behalf.

The Draft Basic Assessment report for the above-mentioned project has been made available for your review and written comments for a 30-day review and comment period from **Wednesday, 30 August 2023 to Monday, 2 October 2023**. The Draft Basic Assessment report can be downloaded from our website. <https://savannahsa.com/public-documents/energy-generation/quantum-1-solar-energy-facility/>

The public participation meeting will take place as follows, and all registered I&APs have been invited to attend:

Date: Tuesday, 20 September 2023

Time: 09h00

Venue: Online (Link Below)

Please do not hesitate to contact us should you require any additional information.

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 327 805 928 634

Passcode: YJd6zL

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**BASIC ASSESSMENT AND PUBLIC PARTICIPATION
PROCESS FOR THE
QUANTUM 1 SOLAR FACILITY AND ASSOCIATED
INFRASTRUCTURE LOCATED NEAR KRUGERSDORP,
GAUTENG PROVINCE**

**MEETING NOTES OF THE FOCUS GROUP MEETING HELD WITH THE LOCAL
LANDOWNERS
HELD ON TUESDAY, 19 SEPTEMBER 2023 AT 14H00
VENUE: MICROSOFT TEAMS, VIRTUAL MEETING**

Notes for the Record prepared by:

Cornelius Holtzhausen
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

QUANTUM 1 SOLAR FACILITY AND ASSOCIATED INFRASTRUCTURE.

MEETING ATTENDEES

| Name | Position / Directorate |
|---|--|
| Savannah Environmental | |
| Cornelius Holtzhausen | Social Impact Assessment and Public Participation Consultant |
| Michael Morreira | Environmental Assessment Practitioner |
| Chantelle Geyer | Environmental Assessment Practitioner |
| South Africa Mainstream Renewable Power Developments | |
| Stevie Txala | Development Executive |

APOLOGIES

None submitted.

WELCOME AND INTRODUCTION

There were no attendees, and the meeting concluded without comment.

A copy of the slides that would be presented during the FGM is attached as **Appendix A**.

The meeting closed at 14h17.

TABLE OF ABBREVIATIONS / ACRONYMS

| | | | |
|-----|---------------------|--|--|
| FGM | Focus Group Meeting | | |
|-----|---------------------|--|--|

Cornelius Holtzhausen

Subject: SE3624-Quantum 1 Solar Facility: Invitation to Focus Group Meeting (Local Landowners)
Location: Microsoft Teams Meeting
Start: Tue 2023/09/19 14:00
End: Tue 2023/09/19 15:30
Recurrence: (none)
Meeting Status: Meeting organizer
Organizer: Brenda Ton
Required Attendees: Jo-Anne Thomas; Chantelle Geyer; Michael Morreira
Resources: ntando42@gmail.com; admin@africanopies.co.za; gdtool@gdtool.co.za; lightcentre600@gmail.com; ronniemckenzie30@gmail.com; Cornelius Holtzhausen; Stevie Txala; Lizemarie.Tolken@mainstreamrp.com; hydrogrowth@gmail.com; vito@greenwayfarm.co.za

**BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: 002/23-24/E3722)**

Dear Interested and Affected Parties,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province.

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- To record comments raised at the Virtual meeting.

Should you not be able to attend the FGM, you are most welcome to forward this invitation to a colleague within your Department / Organization to attend on your behalf.

The Draft Basic Assessment report for the above-mentioned project has been made available for your review and written comments for a 30-day review and comment period from **Wednesday, 30 August 2023 to Monday, 2 October 2023**. The Draft Basic Assessment report can be downloaded from our website. <https://savannahsa.com/public-documents/energy-generation/quantum-1-solar-energy-facility/>

The public participation meeting will take place as follows, and all registered I&APs have been invited to attend:

Date: Tuesday, 19 September 2023

Time: 14h00

Venue: Online (Link Below)

Please do not hesitate to contact us should you require any additional information.

Microsoft Teams meeting

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Meeting ID: 386 190 290 836

Passcode: UsToD3

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**BASIC ASSESSMENT AND PUBLIC PARTICIPATION
PROCESS FOR THE
QUANTUM 1 SOLAR FACILITY AND ASSOCIATED
INFRASTRUCTURE LOCATED NEAR KRUGERSDORP,
GAUTENG PROVINCE**

**MEETING NOTES OF THE FOCUS GROUP MEETING HELD WITH THE
MOGALE CITY LOCAL AND WEST RAND DISTRICT MUNICIPALITIES
HELD ON TUESDAY, 19 SEPTEMBER 2023 AT 11H00
VENUE: MICROSOFT TEAMS, VIRTUAL MEETING**

Notes for the Record prepared by:

Cornelius Holtzhausen
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

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QUANTUM 1 SOLAR FACILITY AND ASSOCIATED INFRASTRUCTURE.

MEETING ATTENDEES

| Name | Position / Directorate |
|---|--|
| Savannah Environmental | |
| Cornelius Holtzhausen | Social Impact Assessment and Public Participation Consultant |
| Michael Morreira | Environmental Assessment Practitioner |
| Chantelle Geyer | Environmental Assessment Practitioner |
| South Africa Mainstream Renewable Power Developments | |
| Stevie Txala | Development Executive |

APOLOGIES

None submitted.

WELCOME AND INTRODUCTION

There were no attendees, and the meeting concluded without comment.

A copy of the slides that would be presented during the FGM is attached as **Appendix A**.

The meeting closed at 11h17.

TABLE OF ABBREVIATIONS / ACRONYMS

| | | | |
|-----|---------------------|--|--|
| FGM | Focus Group Meeting | | |
|-----|---------------------|--|--|

Cornelius Holtzhausen

Subject: SE3624-Quantum 1 Solar Facility: Invitation to Focus Group Meeting (Mogale City LM & West Rand DM Officials)
Location: Microsoft Teams Meeting
Start: Tue 2023/09/19 11:00
End: Tue 2023/09/19 12:30
Recurrence: (none)
Meeting Status: Meeting organizer
Organizer: Brenda Ton
Required Attendees: hannie.marais@mogalecity.gov.za; keitumetse.mabe@mogalecity.gov.za; mm@mogalecity.gov.za; nyakallo.segapela@mogalecity.gov.za; risenga.munyai@mogalecity.gov.za; wonderful.segolodi@mogalecity.gov.za; xolile.mkruquli@mogalecity.gov.za; cmohlala@wrdm.gov.za; admin@wrdm.gov.za; MMazibuko@wrdm.gov.za; SStoffberg@wrdm.gov.za; Chantelle Geyer; Michael Morreira; Jo-Anne Thomas; Cornelius Holtzhausen; Lizemarie.Tolken@mainstreamrp.com; Stevie Txala

BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE (GDARD Ref. No: 002/23-24/E3722)

Dear Key Stakeholders,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province.

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The Draft Basic Assessment report for the above-mentioned project has been made available for your review and written comments for a 30-day review and comment period from **Wednesday, 30 August 2023 to Monday,**

2 October 2023. The Draft Basic Assessment report can be downloaded from our website. <https://savannahsa.com/public-documents/energy-generation/quantum-1-solar-energy-facility/>

The public participation meeting will take place as follows, and all registered I&APs have been invited to attend:

Date: Tuesday, 19 September 2023

Time: 11h00

Venue: Online (Link Below)

Please do not hesitate to contact us should you require any additional information.

Microsoft Teams meeting

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**BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1
SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: 002/23-24/E3722)**

Dear Interested & Affected Party,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province.

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Date: Tuesday, 19 September 2023

Time: 09h00

Venue: Online (Link Below)

Please do not hesitate to contact us should you require any additional information.

**BASIC ASSESSMENT AND PUBLIC PARTICIPATION
PROCESS FOR THE
QUANTUM 1 SOLAR FACILITY AND ASSOCIATED
INFRASTRUCTURE LOCATED NEAR KRUGERSDORP,
GAUTENG PROVINCE**

**MEETING NOTES OF THE FOCUS GROUP MEETING HELD WITH THE
LIMPOPO COMMENTING AUTHORITIES
HELD ON TUESDAY, 19 SEPTEMBER 2023 AT 09H00
VENUE: MICROSOFT TEAMS, VIRTUAL MEETING**

Notes for the Record prepared by:

Cornelius Holtzhausen
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

QUANTUM 1 SOLAR FACILITY AND ASSOCIATED INFRASTRUCTURE.

MEETING ATTENDEES

| Name | Position / Directorate |
|---|--|
| Savannah Environmental | |
| Cornelius Holtzhausen | Social Impact Assessment and Public Participation Consultant |
| Michael Morreira | Environmental Assessment Practitioner |
| Chantelle Geyer | Environmental Assessment Practitioner |
| South Africa Mainstream Renewable Power Developments | |
| Stevie Txala | Development Executive |

APOLOGIES

None submitted.

WELCOME AND INTRODUCTION

There were no attendees, and the meeting concluded without comment.

A copy of the slides that would be presented during the FGM is attached as **Appendix A**.

The meeting closed at 09h17.

TABLE OF ABBREVIATIONS / ACRONYMS

| | | | |
|-----|---------------------|--|--|
| FGM | Focus Group Meeting | | |
|-----|---------------------|--|--|

Cornelius Holtzhausen

Subject: SE3624-Quantum 1 Solar Facility: Invitation to Focus Group Meeting (Gauteng Commenting Authorities)
Location: Microsoft Teams Meeting
Start: Tue 2023/09/19 09:00
End: Tue 2023/09/19 10:30
Recurrence: (none)
Meeting Status: Meeting organizer
Organizer: Brenda Ton
Required Attendees: migovender@dffe.gov.za; BCAdmin@dffe.gov.za; Tnethononda@dffe.gov.za; thokob@daff.gov.za; malatsib@dws.gov.za; KgapholaM@dws.gov.za; sam.vukela@dpw.gov.za; maphata.ramphele@gauteng.gov.za; asalomon@sahra.org.za; phine@sahra.org.za; Chantelle Geyer; Michael Morreira; Cornelius Holtzhausen; Jo-Anne Thomas; Stevie Txala; Lizemarie.Tolken@mainstreamrp.com

**BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: 002/23-24/E3722)**

Dear Key Stakeholders,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province.

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2 October 2023. The Draft Basic Assessment report can be downloaded from our website. <https://savannahsa.com/public-documents/energy-generation/quantum-1-solar-energy-facility/>

The public participation meeting will take place as follows, and all registered I&APs have been invited to attend:

Date: Tuesday, 19 September 2023

Time: 09h00

Venue: Online (Link Below)

Please do not hesitate to contact us should you require any additional information.

Microsoft Teams meeting

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[Click here to join the meeting](#)

Meeting ID: 395 595 142 225

Passcode: jkm6Pu

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APPENDIX E6
COMMENTS AND RESPONSES REPORT



THE COMMENTS AND RESPONSE REPORT WILL
BE FINALISED WITH THE FINAL REPORT

Quantum 1 Solar Energy Facility, GAUTENG PROVINCE

(GDARD Ref. No: 002/23-24/E3722)

COMMENTS AND RESPONSES REPORT

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| 1. COMMENTS RECEIVED ON THE BASIC ASSESSMENT REPORT | 1 |
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The Public Participation process for the EIA process for the Quantum 1 Solar Energy Facility ("SEF") and associated infrastructure was initiated on Wednesday, 30 August 2023. The Notification Letter served to invite Interested and Affected Parties (I&APs) to register their interest in the project and to submit any comments / queries regarding the proposed project. The Basic Assessment (BA) Report has been made available for a 30-day review and comment period from **Wednesday, 30 August 2023 to Monday, 2 October 2023**. In terms of the provisions of Regulation 19(1)(b), the BAR has been revised and released for a second public comment period of 30 days. The review period is from **Tuesday, 10 October 2023 to Thursday, 09 November 2023**. All written comments received during the process have been included in this Comments and Responses Report (C&RR) and included in **Appendix E6** of the BA Report.

NOTE:

All comments captured in the C&RR are verbatim and have not been summarised.

NOTE:

In terms of Regulation 44(1) of the EIA Regulations 2014, as amended, please note that the comments raised, and responses provided at the various Meetings held during the initiation of the BA process and those held during the BA Report's review and comment period have been attached as **Appendix E6** of the final BA Report.

LIST OF ABBREVIATIONS / ACRONYMS


| | | | |
|------|---|-------|---------------------------------------|
| BA | Basic Assessment | EMPr | Environmental Management Programme |
| BAR | Basic Assessment Report | I&AP | Interested and Affected Parties |
| BESS | Battery Energy Storage System | IRP | Integrated Resource Plan |
| BID | Background Information Document | MW | Mega Watt |
| CBA | Critical Biodiversity Area | NEMA | National Environmental Management Act |
| C&RR | Comments and Responses Report | PV | Photovoltaic |
| DFFE | Department of Forestry, Fisheries and the Environment | SANDF | South African National Defense Force |
| DOD | Department of Defense | SEF | Solar Energy Facility |
| EAP | Environmental Assessment Practitioner | SG | Surveyor General |
| EIA | Environmental Impact Assessment | WEF | Wind Energy Facility |

1. COMMENTS RECEIVED ON THE BASIC ASSESSMENT REPORT

1.1. Organs of State

| NO. | COMMENT | RAISED BY | RESPONSE |
|-----|--|--|---|
| 1. | <p>COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PRPSED DEVELOPMENT OF THE QUANTUM 1 SOLAR ENERGY FACILITY (SEF) WITHIN MOGALE LOCAL MUNICIPALITY IN THE WEST RAND DISTRICT MUNICIPALITY, GAUTENG PROVINCE</p> <p>The Directorate Biodiversity Conservation reviewed and evaluated the aforementioned draft report.</p> <p>Based on the information provided in the report, the proposed development footprint remains within an area designated as being of low ecological sensitivity and will not significantly impact on any highly sensitive ecological features associated with the site. In addition, the proposed Quantum 1 SEF Development Area is located within the Magaliesburg Important Bird Area (IBA) SA025. The Development Area and the immediate environment contain several drainage lines and associated wetlands which are sources of surface water and habitat for a range of species. The PV footprint has not included any significant portions of natural grassland areas, not wetland zones, which would be the two most productive habitat units pertaining to avifauna. The vegetation within the footprint area is almost entirely dominated by exotic and invasive species. The Quantum 1 SEF cumulative impacts will be of mostly low to moderate significance.</p> | <p>Mmatlala Rabothata Control Biodiversity Officer Department of Forestry, Fisheries and the Environment (DFFE)</p> <p>E-Mail: 06 October 2023</p> | <p>Savannah environmental Acknowledge receipt of comments from Control Biodiversity Officer at the Department of Forestry, Fisheries and the Environment (DFFE) and have addressed comments as follows:</p> |

| | | |
|--|--|---|
| <p>The Directorate Biodiversity Conservation does not have any objections to the development, as it has been noted that the actual project footprint area does not fall within any areas designed as being of high ecological sensitivity.</p> <p>Notwithstanding the above, the following recommendations must be considered in the final report:</p> | | |
| <p>» Comments from Birdlife South Africa must be obtained and be included in the final report for consideration</p> | | <p>Birdlife SA have been contacted in order to obtain comments, no responses have been received to date, additional notification shall be sent as part of Public Participation Process.</p> |
| <p>» Sensitive habitats in close proximity to the development footprint must be avoided or demarcated as No-Go area (i.e. Wetlands, drainage lines, rocky areas and ridges).</p> | | <p>The project footprint has been designed to avoid sensitive habitats. Sensitive habitats will be demarcated as no-go areas.</p> |
| <p>» Alien Invasive Plant Species Management Plan and Rehabilitation Plan must be developed and submitted as part of the final report to mitigate on habitat degradation due to erosion and alien plant invasion.</p> | | <p>Included as Appendix C of the EMPr</p> |
| <p>» Appropriate buffer must be established around medium sensitive habitats (i.e. Bats habitats, River).</p> | | <p>The wetland area and the mandatory conservation buffer zones have been included within an ecological sensitivity map</p> |
| <p>» The final Layout Map overlaid with sensitivities and indicating the final footprint for the proposed development avoiding environmentally sensitive areas must be included in the Final report</p> | | <p>Included as Appendix A of the BAR</p> |
| <p>All public Participation Process documents related to Biodiversity EIA review and any other Biodiversity EIA queries must be submitted to the Directorate: Biodiversity Conservation at Email: BCAdmin@environment.gov.za for attention of Mr Seoka Lekota.</p> | | <p>Noted and added to the Interested and Affected Party database</p> |

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| <p>2.</p> | <p>Note to mark the Application e-mails as e-mail 1 of 3, e-mail 2 of 3 etc. for ease of reference.</p> <p>1. Note on the Application letter and the SE3624-Quantum 1 *.PDF Documents reference is made to the fact that the BA and EIA including the request for I&AP refers to and we snip –</p> <div data-bbox="215 448 981 675" style="border: 1px solid red; padding: 5px;"> <p style="text-align: center;">NOTIFICATION OF BASIC ASSESSMENT REPORT AND AVAILABILITY FOR REVIEW AND COMMENT</p> <p>South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Krugersdorp, within the Mogale City Local Municipality in the West Rand District Municipality in the Gauteng Province. The facility will have a contracted capacity of up to 10MW and will be known as Quantum 1 Solar Energy Facility.</p> </div> | <p>Wikus Snyman Officer: Land and Rights Land Development Gauteng cluster Eskom</p> <p>E-Mail: 04 October 2023</p> | <p>Comments received and addressed as follows:</p> |
| <p>2.</p> | <p>The affected Farm Portion seem to be Portion 285 (A Portion of Portion 19) Farm Vlakplaats No. 160 – I.Q. (Consolidation of Ptn 239, 262, 284 and 278) (A5555/1987)</p> | | <p>Portion 265 (a portion of portion 19) of the Farm Vlakplaats 160 Surveyor-general 21 digit code: T0IQ00000000016000265</p> |
| <p>3.</p> | <p>Note to always display the Registration Division of the affected Farm i.e. I.Q.; I.R; J.Q. etc. on all Applications as that information would assist in identifying the correct affected Farm area on Eskom's Largis System.</p> | | <p>Noted, as above</p> |
| <p>4.</p> | <p>As per the attached SE3624-Quantum 1 *.PDF and we snip –</p> <div data-bbox="215 1050 981 1396" style="border: 1px solid green; padding: 5px;"> <p>Figure 1: Project site for the Quantum 1 PV Solar Energy Facility</p>  </div> | | <p>Portion 265 (a portion of portion 19) of the Farm Vlakplaats 160 Surveyor-general 21 digit code: T0IQ00000000016000265</p> |

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| <p>Please revisit your application, attend to the necessary amendments (if any) and re-submit to the Eskom Johannesburg area - wayleaveJHB@eskom.co.za Bin for processing / referral.</p> <p><u>Eskom Gauteng Cluster electronic Wayleave applications to be submitted as follows: (preferred method)</u></p> <ul style="list-style-type: none">a. Johannesburg area - wayleaveJHB@eskom.co.zab. Vaal area - wayleaveVaal@eskom.co.zac. Ekurhuleni area - wayleave.emm@eskom.co.zad. Tshwane area (Pretoria) - wayleave@eskom.co.za <p>» Please refrain from sending applications to individuals within Eskom directly. (as per management all applications send directly to individuals will be ignored.)</p> <p>» All applications should be directed to: Eskom - Gauteng Cluster for a, b, c and d above and e-mail/s used as shown.</p> <p>» All Site Development Plans (SDP's) to be saved in *.PDF Format (prefer less than 10MB) and send to the above e-mail address/es - or as per arrangement with the responsible Investigator.</p> <p>» Note Eskom (Dx) Investigations and Land Development moved to Megawatt Park. (see new details and address above / below.)</p> <p>Land and Rights Manager – Jason Kasper - +27117112057 / 2941 / +27785565407 / KasperJG@eskom.co.za</p> <p>W/L Allocations – Mr. Luvuyo Diniso - +2711 800 2630 / 072 153 1936 / dinisola@eskom.co.za</p> | | |
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| <p>3.</p> | <p>The Directorate: Protected Areas Planning and Management Effectiveness, would like thank you for the opportunity to review the BAR and supporting documents for the proposed development of Quantum 1 Solar Energy Facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, within the Mogale Local Municipality in the West Rand District Municipality in the Gauteng Province.</p> | <p>Thivhulawi Nethononda Control Biodiversity Officer Department of Forestry, Fisheries and the Environment (DFFE)</p> | <p>Savannah Environmental acknowledge receipt of comments received from DFFE and has responded as follows:</p> |
| | <p>After conducting the review of the submitted documents, we have noted that the proposed developments will not take place within any kind of protected areas in terms of Section 9 of the National Environmental Management: Protected Areas Act (NEMPAA), Act No. 57 of 2003, however, the site falls within a National Protected Area Expansion Strategy Focus Areas (NPAES) labelled as a priority focus area. The area is also located within the Magaliesberg Important Bird Area.</p> | <p>E-Mail: 28 September 2023</p> | <p>Refer to Appendix A – Maps, of the BAR which confirms points of this comment.</p> |
| | <p>It is noted that the areas with high sensitivities (i.e., suitable bird habitats, water sources, CBA, and NPAES) have been avoided by the developmental footprint. However, due to the area falling within an IBA, priority species has been identified to occur within the project of influence area, and the avifaunal specialist recommending the area to be classified as high sensitivity for birds, it is therefore recommended that bird flight diverters must be installed on the proposed OHL powerline. Although the “lake effect” collision impact (caused by dark blue solar panel) is deemed not effective due to lack of enough scientific evidence, it is recommended that alternative photovoltaic panel must be considered.</p> | | <p>This comment has been noted and forwarded to the developer to ensure adequate consideration is provided to said recommendations.</p> |
| | <p>All mitigation measures stipulated within the specialist report and from other commenting authority must be strictly adhered to, to avoid further degradation of suitable habitats to the bird species.</p> | | <p>Have been included within an ecological sensitivity map; Ref: Appendix A – Maps of BAR.</p> |

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| | <p>The EAP must consult and get comments (if not yet consulted) from the Biodiversity and Conservation Directorate of the Department of Forestry, Fisheries and the Environment (DFFE) which can be contacted at BCAdmin@environment.gov.za for the attention of Mr. Seoka Lekota. Further, also notify the provincial departments, local municipality, Bird Life, EWT and other associated entities for comments.</p> <p>The EAP must further enlist The Directorate: Protected Areas Planning and Management Effectiveness in the list of Interested and affected parties if not yet listed.</p> | | <p>The Department of Forestry and Conservation Directorate of the Department of Forestry, Fisheries and the Environment, the Provincial Department, the Local Municipality, Bird Life, and the Endangered Wildlife Trust were added as Registered Interested and Affected Parties (see Appendix E9) to be notified and consulted regarding the proposed Quantum 1 PV Facility. Proof of notification is to be included in Appendix E2.</p> |
| 4. | <p><u>In accordance with the EIA Regulations, 2014 (as amended) published in terms of section 24(5) of the National Environmental Management Act (No. 107 of 1998) (NEMA). With regards to your notification of Environmental impact Assessment query For Quantum 1 solar energy facility near Krugersdorp. Openseve will not be Affected.</u></p> <p><u>This letter is valid for 12 months.</u></p> <p><u>Please note: For all wayleave related applications please send a separate application to northzonewayleaves@telkom.co.za</u></p> | <p>Gopolang Moeketsane Wayleave Officer Wayleave (Openseve/Telkom)</p> <p>E-Mail: 28 September 2023</p> | <p>Your comments and conditions have been noted and has been forwarded on to developer.</p> |
| | <p>COMMENTS ON THE DRAFT BAR: PROPOSED CONSTRUCTION AND OPERATION OF A SOLAR PHOTOVOLTAIC (PV) FACILITY OF UP TO 10MW ON PORTION 285 (A PORTION OF 19) OF THE FARM VLAKPLAATS 160, LOCATED WITHIN THE WEST RAND DISTRICT MUNICIPALITY.</p> <p>Regarding the above-mentioned draft basic assessment report (DBAR) received by this Department on 30 August 2023, please find herewith comments from the Department.</p> | <p>Mr. T. Rambuda Environmental Impact Manager Gauteng Agriculture and rural Development (GDARD)</p> <p>E-Mail: 27 September 2023</p> | <p>Savannah acknowledges receipt of comments from GDARD, and addresses comments as follows:</p> |

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| <p>1. Description of the site/property/route and development</p> <p>The South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility of up to 10MW on Portion 285 (a portion of 19) of the Farm Vlakplaats 160, located within West Rand District Municipality. The project site is located 7.2km east of the town of Krugersdorp.</p> <p>The project site/area and the development area will be approximately 94.1479ha, within which the Quantum 1 Solar PV Facility development footprint will be located. The actual footprint of the facility, and the area which would be disturbed will be 19.99ha in extent.</p> | | <p>This is correct</p> |
| <p>2. Applicable legislation and policies</p> <p>The activities applied for are NEMA Listed Activities triggered in terms of the Environmental Impact Assessment Regulations, 2014 (as amended) listed in the below table (Bullet No 4 Listed Activity applied for). According to the Gauteng Conservation Plan Version 3.3, the proposed site falls outside the environmental sensitivities areas, however, the site is characterised by dolomite and therefore a geotechnical study must be conducted and forwarded to the council for geoscience for comments). According to the Gauteng Provincial Environmental Management Framework, 2021 (GPEMF, 2021), the site is located within Zone 4 which is a Normal Control Zone, dominated by agricultural land uses outside the urban development zone. Agricultural and rural development related activities must be promoted.</p> | | <p>Comment is noted and is correct as per DBAR</p> |
| <p>4. Listed activities applied for</p> <p>The following listed activities are applied for-</p> | | <p>Listed Activities applied for have been updated as follows:</p> |

| | Activity No and description | Description of the development related to the listed activity | | Indicate the number of the relevant Government Notice: | Activity No (s) (relevant notice): e.g. Listing notices 1, 2 or 3 | Describe each listed activity as per the wording in the listing notices: |
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| | <p>GNR 327: LN 1 Activity 1</p> <p>The development of facilities or infrastructure for the generation of electricity from a renewable resource where— (i) the electricity output is more than 10 megawatts but less than 20 megawatts; or</p> | <p>The project comprises a renewable energy generation facility, which will utilise solar power technology and will have a contracted capacity of up to 10MW.</p> | | <p>Listing Notice 1 (GNR 327) 08 December 2014 (as amended on 07 April 2017)</p> | <p>1 (i)</p> | <p>The development of facilities or infrastructure for the generation of electricity from a renewable resource where— (i) the electricity output</p> <p>The project comprises a renewable energy generation facility, which will utilise solar power technology and will have a contracted capacity of up to 10MW.</p> |
| | <p>GNR 327: LN 1 Activity 14</p> <p>The development and related operation of facilities and infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</p> | <p>The development of the project will require the construction and operation of facilities and infrastructure for the storage and handling of a dangerous good (combustible and flammable liquids, such as oils, lubricants, solvents) associated with the on-site substation where such storage will occur inside containers with a combined capacity exceeding 80 cubic meters but not exceeding 500 cubic meters</p> | | <p>Listing Notice 1 (GNR 327) 08 December 2014 (as amended on 07 April 2017)</p> | <p>24 (ii)</p> | <p>The development of a road— (ii) with a reserve wider than 13,5 m</p> <p>Existing roads will be used where possible, gravel access roads with a general width of 6m, and required length, to be confirmed at final design.</p> |
| | | | | <p>Listing Notice 1 (GNR 327) 08 December</p> | <p>27</p> | <p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.</p> |

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| | <p>GNR 327: LN 1 Activity 24(ii)</p> <p>The development of a road— (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 meters.</p> | <p>Existing roads will be used where possible, gravel access roads with a general width of 6m, and required length, to be confirmed at final design.</p> | | <p>2014 (as amended on 07 April 2017)</p> | | <p>The PV array and other associated infrastructure for the SEF will occupy a footprint with an area of 19.99ha. The development will result in the clearing of indigenous vegetation more than 1 hectare but less than 20 hectares of indigenous vegetation</p> |
| | <p>GNR 327: LN 1 Activity 27</p> <p>The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation</p> | <p>The PV array and other associated infrastructure for the SEF will occupy a footprint with an area of 19.99ha. The development will result in the clearing of indigenous vegetation more than 1 hectare but less than</p> | | <p>Listing Notice 1 (GNR 327) 08 December 2014 (as amended on 07 April 2017)</p> | <p>28 (ii)</p> | <p>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: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1ha.</p> <p>The total area to be developed for the proposed renewable energy facility is greater than 1ha and occurs outside an urban area in an area currently zoned for agriculture.</p> |
| | <p>GNR 327: LN 1 Activity 28 (iii)</p> <p>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: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1ha.</p> | <p>The total area to be developed for the proposed renewable energy facility is greater than 1ha and occurs outside an urban area in an area currently zoned for agriculture</p> | | <p>Listing Notice 3 (GNR 324) 08 December 2014 (as amended on 07 April 2023)</p> | <p>4(c)(vi)</p> | <p>The development of a road wider than 4 metres with a reserve of less than 13.5 metres. c. Gauteng vi. Important Bird and Biodiversity Areas (IBA).</p> <p>The development of the Quantum 1 SEF will require the</p> |

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| | <p>GNR 324: LN 3 Activity 4(c)(iv)(vi)(vii)</p> <p>The development of a road wider than 4 metres with a reserve of less than 13.5 metres.</p> <p>c. Gauteng</p> <p>iv. Sites identified as Critical Biodiversity Areas (CBAs) or Ecological Support Areas (ESAs) in the Gauteng Conservation Plan or in bioregional plans.</p> <p>vi. Important Bird and Biodiversity Areas (IBA) vii. Sites identified as high potential agricultural land in terms of Gauteng Agricultural Potential Atlas.</p> | <p>The development of the Quantum 1 SEF will require the construction of internal access roads up to 6m wide.</p> <p>The site is listed as an Ecological Support Area (ESA) and Critical Biodiversity Area 1 (CBA) as per the Gauteng Conservation Plan. The proposed Quantum 1 SEF Development Area is located within the Magaliesberg Important Bird Area (IBA) SA025. A portion of the project development area is identified as high potential agricultural land in terms of Gauteng Agricultural Potential Atlas (Zone 15).</p> | | <p>Listing Notice 3 (GNR 324) 08 December 2014 (as amended on 07 April 2023)</p> | <p>10(c) (xii)</p> | <p>construction of internal access roads up to 6m wide. The proposed Quantum 1 SEF Development Area is located within the Magaliesberg Important Bird Area (IBA) SA025.</p> <p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good where such storage occurs in containers with a combined capacity of up to 30 but not exceeding 80 cubic metres. c. Gauteng xii. Important Bird and Biodiversity Areas (IBA).</p> <p>The development of the project will require the construction and operation of facilities and infrastructure for the storage and handling of a dangerous good (combustible and flammable liquids, such as oils, lubricants,</p> |
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| | <p>GNR 324: LN 3 Activity 10(c)(ii)(iv)(vii)(xii)</p> <p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.</p> <p>c. Gauteng ii. National Protected Area Expansion Strategy Focus Areas; iv. Sites identified as Critical Biodiversity Areas (CBAs) or Ecological Support Areas (ESAs) in the Gauteng Conservation Plan or in bioregional plans. vii. Sites identified as high potential agricultural land in terms of Gauteng Agricultural Potential Atlas. xii. Important Bird and Biodiversity Areas (IBA)</p> | <p>The development of the project will require the construction and operation of facilities and infrastructure for the storage and handling of a dangerous good (combustible and flammable liquids, such as oils, lubricants, solvents) associated with the on-site substation where such storage will occur inside containers with a combined capacity exceeding 30 cubic meters. The southern section of the development area is located within one of the National Protected Area Expansion Strategy Focus Areas (NPAES). This section is labelled as a priority focus area. The site is listed as an Ecological Support Area (ESA) and a Critical Biodiversity Area 1 (CBA) as per the Gauteng Conservation Plan. A portion of the project development area is identified as high potential agricultural land in terms of Gauteng Agricultural Potential Atlas (Zone 15). The proposed Quantum 1 SEF Development Area is located within the Magaliesberg</p> | | | | <p>solvents) associated with the on-site substation where such storage will occur inside containers with a combined capacity of up to 50 cubic meters only. The proposed Quantum 1 SEF Development Area is located within the Magaliesberg Important Bird Area (IBA) SA025.</p> |
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| | <p>GNR 324: LN 3 Activity 12(c)(ii)</p> <p>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:</p> <p>(c) In Gauteng (ii.) Within Critical Biodiversity Areas or Ecological Support Areas identified in the Gauteng Conservation Plan or bioregional plans.</p> | <p>An area more than 300m² of indigenous vegetation would be required to be cleared. The site is listed as an Ecological Support Area (ESA) and a Critical Biodiversity Area 1 (CBA) as per the Gauteng Conservation Plan.</p> | | |
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| | <p>5. Specialist studies</p> <p>According to the Surface Water Ecosystems Ecological, the delineation and Impact Surveys conducted during June 2023 (included in Appendix G), shows that the proposed site is underlain by dolomite, which is a geological feature known to be particularly associated with groundwater of good quantity and quality. The development features pose a potential threat to groundwater quality and are generally not supported by authorities. However, A PV solar facility is not regarded as a development type that would pose a threat to groundwater quality and quantity, probably the threat will be posed by the proposed storage of dangerous goods (which the capacity is not properly stated in the draft report). Activity 14 of Listing Notice 1 above indicates that the proposed "development and related operation of facilities and infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more". But Activity 10(c)(ii)(iv)(vii)(xii) of Listing Notice 3 indicates that "the storage, or storage and handling of a dangerous good where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres". So, it is not clear what is the applicant is trying to illustrate here and what is the proposed capacity for storage tanks of dangerous goods", and Activity 10(c)(ii)(iv)(vii)(xii) of Listing Notice 3 does not apply in this case as proposed activity does not falls within any geographical areas as specified in Listing Notice 3.</p> | | <p>Respective listed activities have been revised as above. Only up to 50m³ of dangerous goods will be stored on site. The site footprint exists in areas that are largely regarded as having low agricultural potential.</p> |
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| <p>The proposed area is currently zoned agriculture (the question is whether the land was cultivated before or used for agricultural purposes which talks to activity 28 (ii) of Listing 1 whether it applies in this case?). The zoning of the land does not necessarily mean it is used for that particular land uses, it might be zoned agriculture but never used for agricultural purposes, so the applicant must check what the land was used for before? According to the Soil and Agricultural Potential Assessment attached as Appendix G, the proposed site has been found to have low sensitivities associated with land potential resources, it is therefore the specialist's opinion that the proposed activities will have an acceptable impact on soil resources and that the proposed activities may proceed as have been planned as no loss of land capability will occur. It is expected that no segregation of high production agricultural resources will occur.</p> | | |
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| <p>6. Assessment of alternatives</p> <p>No alternatives were investigated, and motivation has been provided. The report further indicates that the proposed site is considered most suitable for the development of a PV solar energy facility because of local irradiation, and the locality of the site relative to existing grid connection infrastructure. The proposed site is regarded as the only preferred option and no alternatives considered. However, technology alternatives of PV technology and Battery Energy Storage System were investigated, layout alternatives or different types of methodology applied in this project were not investigated. It is noted that based on the environmental screening study and the landowner requirements, the Quantum 1 SEF development area was identified by the developer as being technically feasible and viable. Specialist field surveys and assessments were undertaken as part of the basic assessment process to provide the proponent with site specific information regarding the study area and the development area for the consideration of the PV solar development.</p> | | <p>Refer to the BAR which provides motivation for the proposed development and any potential alternatives.</p> |
| <p>7. Need and desirability of the development.</p> <p>At a strategic level, electricity generating alternatives have been addressed as part of the DMRE's current Integrated Resource Plan for Electricity 2010 – 2030 (IRP), 2019, and will continue to be addressed as part of future revisions thereto. In this regard, the need for renewable energy power generation (including solar and wind) has been identified as part of the technology mix for power generation in the country in the next 20 years. The site is considered most suitable for the development of a PV solar energy facility because of local irradiation, and the locality of the site relative to existing grid connection infrastructure.</p> | | <p>Correct as per draft BAR.</p> |

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| <p>8. Maps, layout plans, services route positioning</p> <p>At least one, clear layout plan for all alternatives considered overlain by a composite sensitivity map, depicting the extent of activities on the layout plan with a legend easily linked to activity components must be included in the Final BAR Report.</p> | | <p>Noted, refer to Appendix A of BAR.</p> |
| <p>9. Public Participation Process</p> <p>The Final BAR report must contain comments and responses report from the registered Interested and Affected Parties (I&APs). Please ensure compliance with Chapter 6 of the Public Participation Process, Regulation 41 of the Environmental Impact Assessment Regulations, 2014 (as amended).</p> | | <p>The Public Participation process undertaken is in compliance with Chapter 6 of the Public Participation Process, Regulation 41 of the Environmental Impact Assessment Regulations, 2014 (as amended).</p> |
| <p>10. Environmental Management Programme (EMPr)</p> <p>The Environmental Assessment Practitioner must ensure that all significant impacts identified during the impact assessment as well issues raised during the impact assessment stage/process are addressed in the EMPr including issues raised in the specialists' studies. The EMPr must be drafted in accordance with the Appendix 4 of the 2014 EIA Regulations (as amended).</p> | | <p>The EMPr has been drafted in accordance with Appendix 4 of the 2014 EIA Regulations (as amended).</p> |
| <p>11. On review of the above-mentioned submission, it was found that several issues need to be addressed. In this regard, this Departments request the following:</p> | | |

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| | <p>» The Department using the Gauteng Conservation Plan Version 3.3 found that the proposed site falls outside an Ecological Support Area, Critical Biodiversity Area and Important Area. This informs the activities that are applicable to this application which are Listing Notice 1 Activity 1 (i), 14 (not sure of the capacity), 24(ii), 27 and 28. According to our investigation Listing Notice 3 Activities 4, 10 and 12 are not applicable to this application, as there are no environmental sensitivities associated with any of the geographic areas in Gauteng. Therefore, the application form must be amended, and the public participation process must be conducted for the exclusion of the activities that were part of the initial public participation process.</p> | | <p>A Basic Assessment Report was prepared by Savannah Environmental and made available for a 30-day public review period from 30 August 2023 – 02 October 2023. Based on the comments provided in the letter received 30 September 2023 from the GDARD, the listed activities within the Basic Assessment Report have been updated.</p> <p>The correction of the listed activities will result in the inclusion of additional information that was not applicable to this report consulted on during the initial public participation process. Therefore, in terms of Regulation 19(1)(b), the revised report will be subjected to another public participation process of 30 days, from 10 October to 10 November 2023.</p> |
| | <p>» The DBAR indicates that Activity 14 of Listing Notice 1 is applicable to the application as "dangerous good" (i.e., petrol/ diesel) will be stored on site. Please indicate the planned capacity for the dangerous good, and whether it will be an underground or above ground storage of dangerous goods.</p> | | <p>Planned storage of Dangerous Goods is 50m³, storage planned within area demarcated for onsite substation.</p> |
| <p>5.</p> | <p><u>PROPOSED DEVELOPMENT OF THE QUANTUM 1 SOLAR ENERGY FACILITY: PORTION 265 (OF PORTION 19) OF THE FARM VLAKPLAATS 160-IQ</u></p> <p>This is to confirm that Eskom has no objection to this application, as additional safety measures Eskom requires that the following conditions are complied with:</p> <p>1. The applicant should apply to the relevant Eskom Customer Services if additional supply is required.</p> | <p>Bongi Buthelezi Land Development & Environmental Manager Gauteng Operation Unit Eskom Holdings SOC Ltd</p> <p>E-Mail: 15 September 2023</p> | <p>Savannah environmental confirm receipt of comments from Eskom and address queries as follows:</p> <p>This information has been forwarded to the Applicant.</p> |

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| | <p>2. Please note that, under no circumstances will any relocation work proceed prior to the submission of a formal application to Eskom Customer Services and acceptance of the relocation costs by the applicant. A formal application for the relocation of Eskom services must be submitted at least three months prior to the commencement of any construction work.</p> <p>3. Eskom must have ingress to and egress from its services at all times.</p> <p>4. Eskom will not allow any encroachment whatsoever e.g. buildings, dams, dumping etc. onto its servitude.</p> <p>5. Future building, civil, electrical, water and sewerage services plans must be presented to Eskom for perusal and approval prior to any work proceeding in the vicinity of Eskom services.</p> <p>6. Eskom consent does not relieve the applicant from obtaining the necessary statutory, landowner or municipal approvals.</p> | | |
| <p>6.</p> | <p>BA APPLICATION & DRAFT BASIC ASSESSMENT REPORT: QUANTUM 1 SOLAR ENERGY FACILITY (SEF)</p> <p>The Department acknowledges having received the BA Application & Draft Basic Assessment Report for environmental authorization of the above-mentioned project on 30/08/2023 and the amendments received on 01/09/2023.</p> | <p>Justine Chan Acting Deputy Director: strategic Administration Support Gauteng Province: Agricultural and Rural Development (GDARD)</p> | <p>Savannah Environmental acknowledge receipt of comments from GDARD and responses are provided as follows:</p> |

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| | <p>You are required to upload the Final Basic Assessment Report after the completion of the review process of the department.</p> | <p>E-Mail: 05 September 2023</p> | <p>Noted, this will be done.</p> <p>A Basic Assessment Report was prepared by Savannah Environmental and made available for a 30-day public review period from 30 August 2023 – 02 October 2023. Based on the comments provided in the letter received 30 September 2023 from the GDARD, the listed activities within the Basic Assessment Report have been updated,</p> <p>The correction of the listed activities will result in the inclusion of additional information that was not applicable to this report consulted on during the initial public participation process. Therefore, in terms of Regulation 19(1)(b), the revised report will be subjected to another public participation process of 30 days, from 10 October to 10 November 2023.</p> |
| | <p>In terms of Regulation 45 of the EIA Regulations 2014, this application will lapse should you fail to meet any of the timeframes prescribed in terms of these regulations, unless an extension has been granted in terms of regulation 3(7).</p> | | <p>Extension has been granted in order to facilitate additional public participation process as above</p> |
| | <p>For status queries on your submission, please contact Strategic Administration Support at environmentenquiries@gauteng.gov.za</p> | | <p>Noted</p> |
| | <p>Please draw the applicant's attention to the fact that the activity may not commence prior to a decision being issued by the Department.</p> | | <p>Noted and forwarded to Applicant</p> |
| <p>7.</p> | <p>Please find attached Eskom requirements for work at or near Eskom infrastructure and servitudes, as well as a setbacks guideline for renewable energy developments.</p> | <p>John Geeringh Senior Consultant Environmental Management Land and Rights Eskom Transmission Division Eskom Holdings SOC Ltd</p> <p>E-mail: 01 September</p> | |
| | <p>Eskom requirements for work in or near Eskom servitudes.</p> <ol style="list-style-type: none"> 1. Eskom's rights and services must be acknowledged and respected at all times. | | <p>The requirements for development at or near Eskom infrastructure servitudes are noted. These requirements have been submitted to the developer for their attention and consideration for the development.</p> |
| | <ol style="list-style-type: none"> 2. Eskom shall at all times retain unobstructed access to and egress from its servitudes. | | <p>In addition, the need to comply with Eskom requirements (as</p> |

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| | <p>3. Eskom’s consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.</p> <p>4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.</p> <p>5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer’s activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.</p> <p>6. The use of explosives of any type within 500 metres of Eskom’s services shall only occur with Eskom’s previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.</p> <p>7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom’s satisfaction.</p> <p>8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom’s services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer’s equipment.</p> | <p>2023</p> | <p>applicable) will be included into the EMP for the project.</p> |
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| <p>9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom’s apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days’ notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager</p> <p>Note: Where and electrical outage is required, at least fourteen work days are required to arrange it.</p> | | | |
| <p>10. Eskom’s rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.</p> | | | |
| <p>11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom’s satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.</p> | | | |
| <p>12. The clearances between Eskom’s live electrical equipment and the proposed construction work shall be observed as stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).</p> | | | |
| <p>13. Equipment shall be regarded electrically live and therefore dangerous at all times.</p> | | | |
| <p>14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.</p> | | | |
| <p>15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.</p> | | | |

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| | <p>16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant</p> | | |
| | <p>17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.</p> | | |
| <p>8.</p> | <p>1. The above matter refers.</p> <p>2. We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from South Africa Mainstream Renewable Power Developments (Pty) Ltd ("the applicant"), which plans to construct a solar PV facility as described in annexure 1 hereto, in the Gauteng hereafter referred to as "Quantum 1 Solar Facility", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").</p> <p>3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.</p> | <p>Serame Molokwane Manager Sentech Ltd</p> <p>E-mail: 30 August 2023</p> | <p>Savannah Environmental acknowledges receipt of correspondence from Sentech and has forwarded such communication to Applicant</p> |

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| | <p>4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:</p> <p>4.1. Due to the fact that the findings made by SENTECH are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to SENTECH's attention;</p> <p>4.2. At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, SENTECH will give the applicant 7 (seven) day's written notice to remove the cause of the interference.</p> <p>4.3. Under no circumstances whatsoever will SENTECH be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH ;</p> <p>4.4. SENTECH prior written consent must first be obtained before any construction activities underneath, along, across or within close proximity to SENTECH infrastructure can begin and shall comply with the applicable SENTECH guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the applicant shall clearly adhere to, and ensure all installations shall be fully compliant with the Occupational Health and Safety Act No. 85 of 1993.</p> | | |
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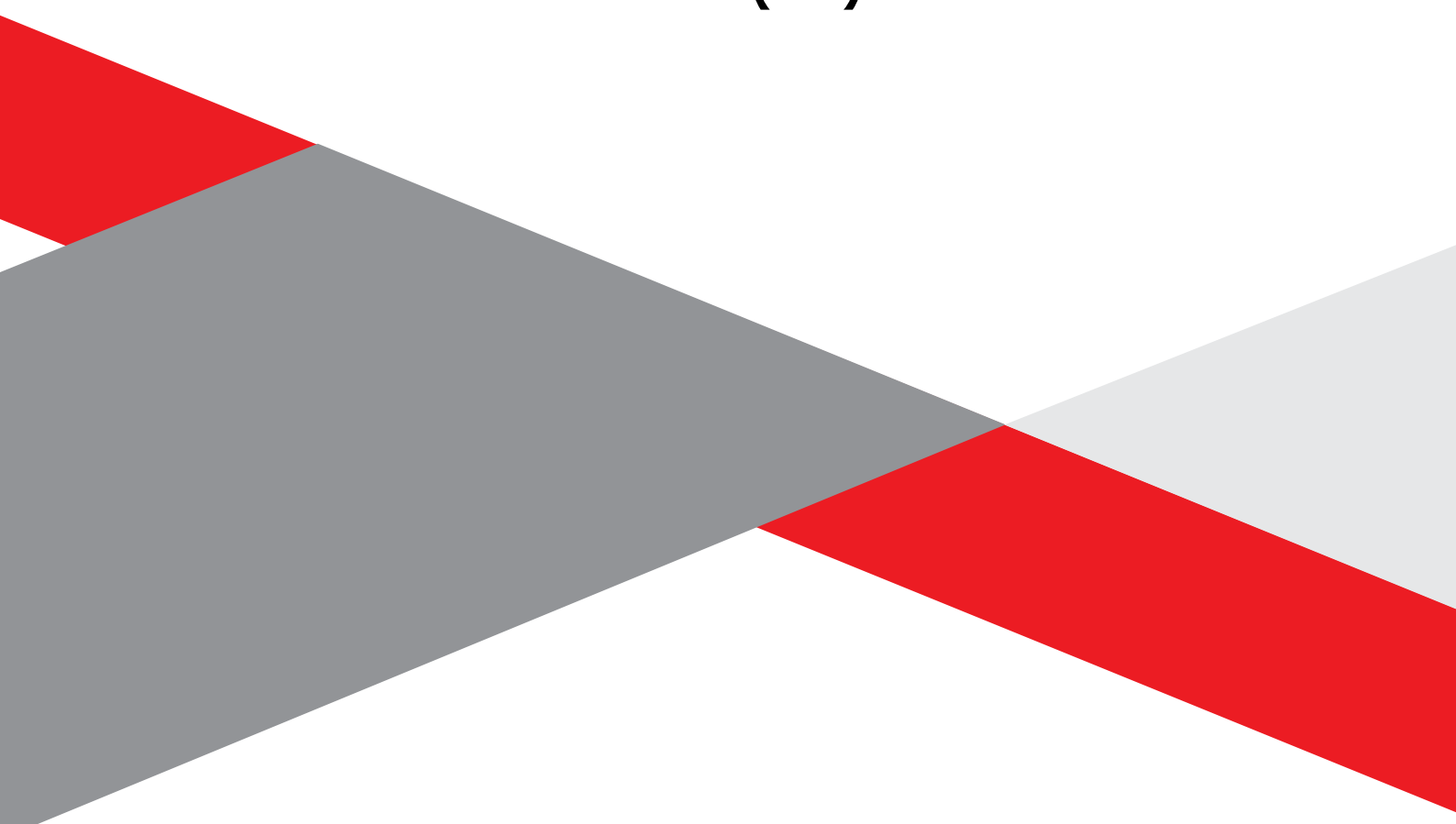
| | | | |
|--|--|--|--|
| | <p>5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, as well as the size and positioning of structures declared in the application. If the services of SENTECH or its clients is in any way compromised by a deviation or change of this submission, the applicant shall be liable for all costs to re-establish, or relocate the services, and under no circumstances whatsoever will SENTECH be liable to the applicant or any other third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence.</p> | | |
| | <p>6. This approval is valid and applicable between SENTECH and the applicant only. It does not include any approval for any of the other electronic communication operators which have current co-sharing agreements to utilise SENTECH's radio masts.</p> | | |
| | <p>7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.</p> | | |
| | <p>8. The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to SENTECH for further evaluation and approval.</p> | | |
| | <p>9. This approval does not imply any rights of access whatsoever to SENTECH property or use of SENTECH's access roads for construction or maintenance of the design project. Separate permission must be obtained from SENTECH in this regard. Furthermore, SENTECH reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of SENTECH's electronic broadcast and communications infrastructure.</p> | | |

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| 10. | The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of SENTECH's employees, contractors, representatives and its property, including the radio transmitters and links on or near the site against damages as a result of construction of the applicant's energy project. | | |
| 11. | The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of SENTECH including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project. | | |
| 12. | In no event will SENTECH, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any SENTECH radio network approved and/or not approved in terms of this letter, even if SENTECH has been advised of the possibility of such damages or injury. | | |

1.2. Interested and Affected Parties

| NO. | COMMENT | RAISED BY | RESPONSE |
|-----|---------|-----------|----------|
| | | | |

APPENDIX E7
COMMENTS FROM I&APS ON BASIC
ASSESSMENTS (BA) REPORT



COMMENTS FROM ORGANS OF STATE



forestry, fisheries & the environment

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

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: + 27 86 625 1042

Reference: Quantum 1 Solar Energy Facility (SEF)

Enquiries: Ms M Rabothata

Telephone: (012) 399 9174 **E-mail:** MRabothata@environment.gov.za

Cornelius Holtzhauen
Savannah Environmental
PO Box 148
SUNNINGHILL
2157

Telephone Number: (+ 27) 11 656 3237
Email Address: publicprocess@savannahsa.com

PER E-MAIL

Dear Sir/ Madam

COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF THE QUANTUM 1 SOLAR ENERGY FACILITY (SEF) WITHIN MOGALE LOCAL MUNICIPALITY IN THE WEST RAND DISTRICT MUNICIPALITY, GAUTENG PROVINCE

The Directorate: Biodiversity Conservation reviewed and evaluated the aforementioned draft report.

Based on the information provided in the report, the proposed development footprint remains within an area designated as being of low ecological sensitivity and will not significantly impact on any highly sensitive ecological features associated with the site. In addition, the proposed Quantum 1 SEF Development Area is located within the Magaliesberg Important Bird Area (IBA) SA025. The Development Area and the immediate environment contain several drainage lines and associated wetlands which are sources of surface water and habitat for a range of species. The PV footprint has not included any significant portions of natural grassland areas, not wetland zones, which would be the two most productive habitat units pertaining to avifauna. The vegetation within the footprint area is almost entirely dominated by exotic and invasive species. The Quantum 1 SEF cumulative impacts will be of mostly low to moderate significance.

The Directorate Biodiversity Conservation does not have any objections to the development, as it has been noted that the actual project footprint area does not fall within any areas designated as being of high ecological sensitivity.

Notwithstanding the above, the following recommendations must be considered in the final report:

- Comments from Birdlife South Africa must be obtained and be included in the final report for consideration.



COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF THE QUANTUM 1 SOLAR ENERGY FACILITY (SEF) WITHIN MOGALE LOCAL MUNICIPALITY IN THE WEST RAND DISTRICT MUNICIPALITY, GAUTENG PROVINCE

- Sensitive habitats in close proximity to the development footprint must be avoided or demarcated as No-Go area (i.e. Wetlands, drainage lines, rocky areas and ridges).
- Alien Invasive Plant Species Management Plan and Rehabilitation Plan must be developed and submitted as part of the final report to mitigate on habitat degradation due to erosion and alien plant invasion.
- Appropriate buffer must be established around medium sensitive habitats (i.e. Bats habitats, River).
- The final Layout Map overlaid with sensitivities and indicating the final footprint for the proposed development avoiding environmentally sensitive areas must be included in the Final report.

All Public Participation Process documents related to Biodiversity EIA review and any other Biodiversity EIA queries must be submitted to the Directorate: Biodiversity Conservation at Email: BCAdmin@environment.gov.za for attention of **Mr Seoka Lekota**.

Yours faithfully



Mr. Seoka Lekota
Control Biodiversity Officer Grade B: Biodiversity Conservation
Department of Forestry, Fisheries & the Environment
Date: 02/10/2023

Cornelius Holtzhausen

From: Wikus Snyman <SnymanJH@eskom.co.za> on behalf of wayleaveJHB <wayleaveJHB@eskom.co.za>
Sent: Wednesday, 04 October 2023 09:50
To: Savannah Public Process
Cc: Jason Kasper; Luvuyo Diniso
Subject: Eskom Investigations - clarification / re-submission | SAVANNAH ENVIRONMENTAL | FW: SE3624: QUANTUM 1 SOLAR ENERGY FACILITY - Notification of Availability of Basic Assessment Report - PTN 265 / 285 - 160 - I.Q. ...
Attachments: [CAUTION:EXTERNAL EMAIL] SE3624: QUANTUM 1 SOLAR ENERGY FACILITY - Notification of Availability of Basic Assessment Report
Importance: High
Follow Up Flag: Follow up
Flag Status: Flagged

Good day All'

[@Savannah Environmental Public Process <publicprocess@savannahsa.com>](mailto:publicprocess@savannahsa.com), thank you for your 3 e-mails received relating to your application in the Krugersdorp area.

Note to mark the Application e-mails as e-mail 1 of 3, e-mail 2 of 3 etc. for ease of reference.

1. Note on the Application letter and the SE3624-Quantum 1 *.PDF Documents reference is made to the fact that the BA and EIA including the request for I&AP refers to and we snip –

NOTIFICATION OF BASIC ASSESSMENT REPORT AND AVAILABILITY FOR REVIEW A

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the operation of a solar photovoltaic (PV) facility and associated infrastructure on Portion 19) of the Farm Vlakplaats 160, located approximately 7.2km west of Klerksburg in the Mogale City Local Municipality in the West Rand District Municipality in the City of Johannesburg Metropolitan Municipality. The facility will have a contracted capacity of up to 10MW and will be known as the Quantum 1 Solar Energy Facility.

2. The affected Farm Portion seem to be Portion 285 (A Portion of Portion 19) Farm Vlakplaats No. 160 – I.Q.? (Consolidation of Ptn 239, 262, 284 and 278) (A5555/1987)
3. Note to always display the Registration Division of the affected Farm i.e. I.Q.; I.R; J.Q. etc. on all Applications as that information would assist in identifying the correct affected Farm area on Eskom's Largis System.

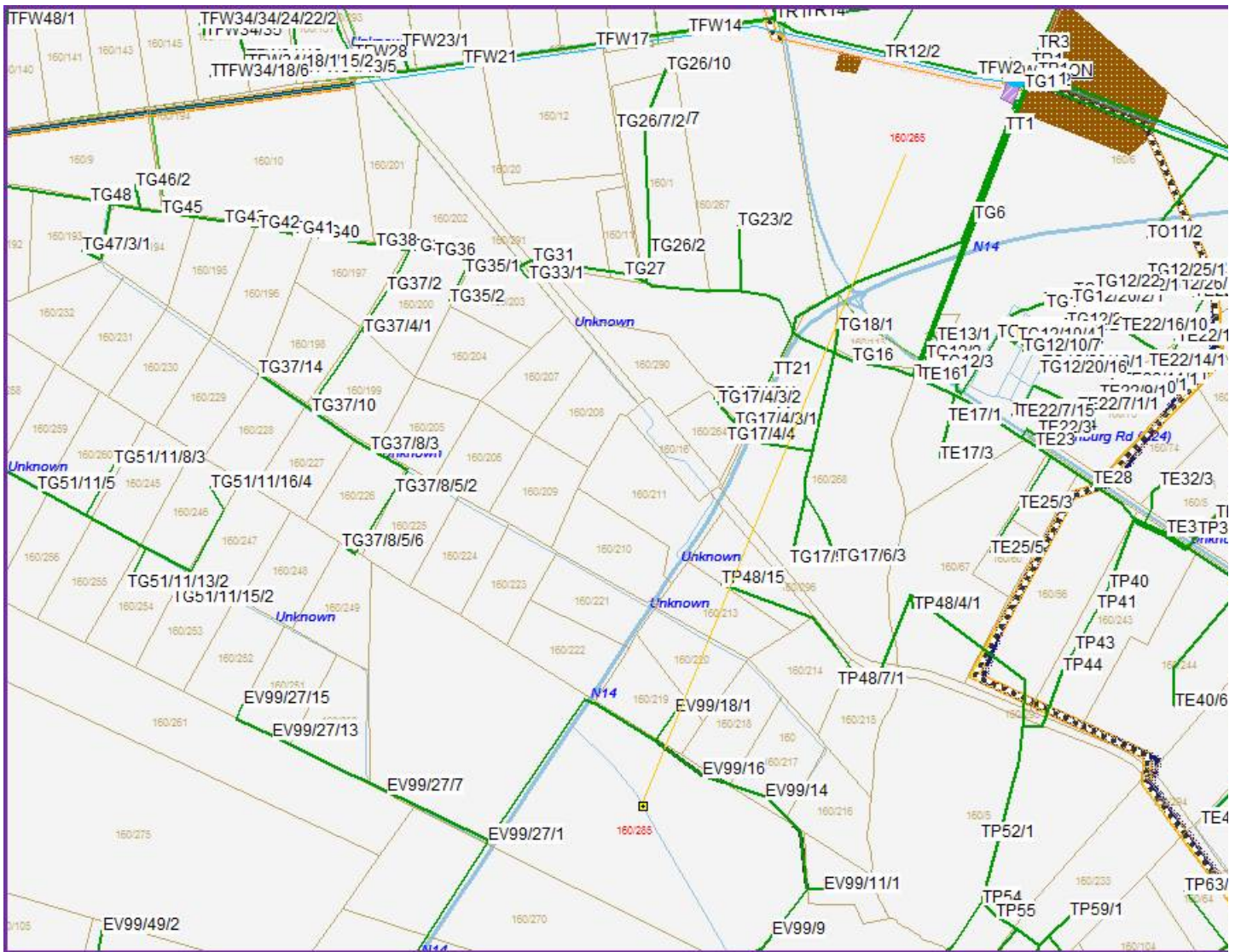
4. As per the attached SE3624-Quantum 1 *.PDF and we snip –

Figure 1: Project site for the Quantum 1 PV Solar Energy Facility



5. As per the above Farm area identified the affected area seem to be Portion 265 (A Portion of Portion 19) Farm Vlakplaats No. 160 – I.Q.? (S.G. No. A1813/1971)

6. As per Snip from Eskom's Largis System the two Farm Portions are approximately 2,7km apart.



7. As per the SE3624-Quantum 1 *.PDF snip and the above Largis information the Eskom Substation TARTLTON 132/44/11kV Substation shown to be in close proximity of the “Application” area i.e. Ptn 265?
8. Presumption would then be made, considering the Roads in the area as well as the outline of the green “Application” area, that Portion 265 (A Portion of Portion 19) Farm Vlakplaats No. 160 – I.Q. is the actual area affected.
9. Note Eskom (Dx) do have Services and Plant in both areas and the correct “Application” area would determine the Services and Plant affected and the completion of the A&P Forms.

Please revisit your application, attend to the necessary amendments (if any) and re-submit to the Eskom Johannesburg area - wayleaveJHB@eskom.co.za Bin for processing / referral.

Eskom Gauteng Cluster electronic Wayleave applications to be submitted as follows: (preferred method)

- a. Johannesburg area - wayleaveJHB@eskom.co.za
- b. Vaal area - wayleaveVaal@eskom.co.za
- c. Ekurhuleni area - wayleave.emm@eskom.co.za
- d. Tshwane area (Pretoria) - wayleave@eskom.co.za

- ❖ Please refrain from sending applications to individuals within Eskom directly. (as per management all applications send directly to individuals will be ignored.)
- ❖ All applications should be directed to: Eskom - Gauteng Cluster for a, b, c and d above and e-mail/s used as shown.
- ❖ All Site Development Plans (SDP's) to be saved in *.PDF Format (prefer less than 10MB) and send to the above e-mail address/es - or as per arrangement with the responsible Investigator.
- ❖ Note Eskom (Dx) Investigations and Land Development moved to Megawatt Park. (see new details and address above / below.)

Land and Rights Manager – Jason Kasper - +27117112057 / 2941/ +27785565407 / KasperJG@eskom.co.za

W/L Allocations – Mr. Luvuyo Diniso - +2711 800 2630 / 072 153 1936 / dinisola@eskom.co.za

Kind regards,

Wikus Snyman (MST0090)
Officer Land and Rights
Land Development
Gauteng Cluster
Megawatt Park Block A 2nd Floor Maxwell Drive Sunninghill Sandton
PO Box 8610 Johannesburg 2000
Tel +27 (0)11 800 4059
Cell +27 (0)64 650 9965
Fax to email +27 (0)86 536 8970
Email wikus.snyman@eskom.co.za



Disclaimer

NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at <https://www.eskom.co.za/about-eskom/email-legal-spam-disclaimer/>

Cornelius Holtzhausen

From: Thivhulawi Nethononda <TNETHONONDA@dffe.gov.za>
Sent: Thursday, 28 September 2023 13:37
To: Cornelius Holtzhausen
Subject: FW: SE3624: QUANTUM 1 SOLAR ENERGY FACILITY - Notification of Availability of Basic Assessment Report

Follow Up Flag: Follow up
Flag Status: Completed

Dear Cornelius,

The Directorate: Protected Areas Planning and Management Effectiveness, would like thank you for the opportunity to review the BAR and supporting documents for the proposed development of Quantum 1 Solar Energy Facility and associated infrastructure on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, within the Mogale Local Municipality in the West Rand District Municipality in the Gauteng Province.

After conducting the review of the submitted documents, we have noted that the proposed developments will not take place within any kind of protected areas in terms of Section 9 of the National Environmental Management: Protected Areas Act (NEMPAA), Act No. 57 of 2003, however, the site falls within a National Protected Area Expansion Strategy Focus Areas (NPAES) labelled as a priority focus area. The area is also located within the Magaliesberg Important Bird Area.

It is noted that the areas with high sensitivities (i.e.,. suitable bird habitats, water sources, CBA, and NPAES) have been avoided by the developmental footprint. However, due to the area falling within an IBA, priority species has been identified to occur within the project of influence area, and the avifaunal specialist recommending the area to be classified as high sensitivity for birds, it is therefore recommended that bird flight diverters must be installed on the proposed OHL powerline. Although the "lake effect" collision impact (caused by dark blue solar panel) is deemed not effective due to lack of enough scientific evidence, it is recommended that alternative photovoltaic panel must be considered.

All mitigation measures stipulated within the specialist report and from other commenting authority must be strictly adhered to, to avoid further degradation of suitable habitats to the bird species.

The EAP must consult and get comments (if not yet consulted) from the Biodiversity and Conservation Directorate of the Department of Forestry, Fisheries and the Environment (DFFE) which can be contacted at BCAdmin@environment.gov.za for the attention of Mr. Seoka Lekota. Further, also notify the provincial departments, local municipality, Bird Life, EWT and other associated entities for comments.

The EAP must further enlist The Directorate: Protected Areas Planning and Management Effectiveness in the list of Interested and affected parties if not yet listed.

Thanks
Thivhulawi

From: Cornelius Holtzhausen <Cornelius@savannahsa.com>
Sent: Wednesday, August 30, 2023 1:56 PM
To: Thivhulawi Nethononda <TNETHONONDA@dffe.gov.za>

Cc: Savannah Public Process <publicprocess@savannahsa.com>

Subject: Fw: SE3624: QUANTUM 1 SOLAR ENERGY FACILITY - Notification of Availability of Basic Assessment Report

Dear Thivhulawi Nethononda

I hope you are well.

As per the below E-Mail, South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure.

Savannah Environmental has compiled a Basic Assessment Report in support of the Application. The Basic Assessment Report and supporting documentation will be available for public review and comment from **Wednesday, 30 August 2023 to Monday, 2 October 2023**. The Basic Assessment Report can be downloaded from Savannah Environmental's website ([CLICK HERE](#)).

The project site is located 7.2km east of the town of Krugersdorp on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, within the Mogale Local Municipality in the West Rand District Municipality in the Gauteng Province. Please find attached the KMZ for ease of access.

Our team welcomes your participation and looks forward to your involvement throughout this process. Please do not hesitate to contact us should you require additional information and/or clarification regarding the project.

Kind regards,



t: +27 (0)11 656 3237
f: +27 (0) 86 684 0547

Cornelius Holtzhausen
Public Participation and Social
Consultant

e: Cornelius@savannahsa.com

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Processing of personal Information / POPIA compliance

We respect your privacy and acknowledge that this e-mail will contain Personal Information, which may belong to you, others and/or to your organization and which we will process. The processing of your personal information by Savannah Environmental may be included in reports submitted to governmental departments or on our public platforms, which processing will be done in accordance with our processing notice housed on our website - <https://savannahsa.com/privacy-policy-privacy-policy-page/>. By sending and/or receiving this message, you hereby consent to the lawful processing of personal information for the intended purposes, as described by the Protection of Personal Information Act, 2013 (Act No 4 of 2013).

This email has been scanned for viruses and malware, and automatically archived by **Mimecast SA (Pty) Ltd**, and is believed to be clean

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>

Sent: Wednesday, August 30, 2023 11:32 AM

To: Tania Anderson <spothil@gmail.com>

Cc: Cornelius Holtzhausen <Cornelius@savannahsa.com>

Subject: SE3624: QUANTUM 1 SOLAR ENERGY FACILITY - Notification of Availability of Basic Assessment Report

QUANTUM 1 SOLAR ENERGY FACILITY (SEF) NEAR KRUGERSDORP, GAUTENG PROVINCE
(GDARD Ref. No: To be Issued)

Dear Stakeholder and Interested & Affected Party,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of a solar photovoltaic (PV) facility and associated infrastructure. The facility will comprise the following infrastructure:

- » Solar PV array comprising solar modules.
- » Mounting System Technology
- » Inverters and transformers.
- » Low voltage cabling between the PV modules to the inverters.
- » Overhead power lines
- » Onsite substation, switching substation, O&M offices and laydown areas.
- » Battery Energy Storage System (BESS) and associated infrastructure.
- » Internal access roads.
- » Fence around the project development areas.

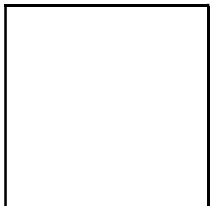
The project site is located 7.2km east of the town of Krugersdorp on Portion 285 (a portion of portion 19) of the Farm Vlakplaats 160, within the Mogale Local Municipality in the West Rand District Municipality in the Gauteng Province.

Savannah Environmental has compiled a Basic Assessment Report in support of the Application. The Basic Assessment Report and supporting documentation will be available for public review and comment from **Wednesday, 30 August 2023** to **Monday, 2 October 2023**. The Basic Assessment Report can be downloaded from Savannah Environmental's website ([CLICK HERE](#)).

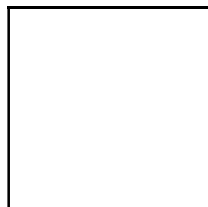
Our team welcomes your participation and looks forward to your involvement throughout this process. Please do not hesitate to contact us should you require additional information and/or clarification regarding the project.

Kind regards,

[Unsubscribe this type of email](#)



t: 011 656 3237
f: 086 684 0547



Nicolene Venter
Public Process

e: publicprocess@savannahsa.com
c: +27 (0) 60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015



61 Oak Avenue, Highveld
Techno Park, Centurion 0157,
Private Bag X881, Pretoria, Gauteng, 0001
C: +27 81 354 8252
northzonewayleaves@telkom.co.za

Wayleave Officer: Gopolang Moeketsane

Start Date : 28 September 2023
End Date : 28 September 2024
Our Ref : EIA97-23-24
Your Ref : 002/23-24/E3722

SAVANNAH ENVIRONMENTAL

Dear Sir/Madam

In accordance with the EIA Regulations, 2014 (as amended) published in terms of section 24(5) of the National Environmental Management Act (No. 107 of 1998) (NEMA).

With regards to your notification of Environmental impact Assessment query For Quantum 1 solar energy facility near Krugersdorp. Openserve will not be Affected.

This letter is valid for 12 months.

Please note: For all wayleave related applications please send a separate application to northzonewayleaves@telkom.co.za

The toll-free number is 0800 203 951 in case of damaging Openserve infrastructure.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "Baldwin Mashige".

.....
WAYLEAVE (Operations Manager)
pp Baldwin Mashige
Cell: 081 438 3032

SAVANAAH ENVIRONMENTAL

Date:
15 September 2023

Enquiries:
Bongi Buthelezi
Tel +27 65 542 9480
buthelbp@eskom.co.za

Our Ref: BB321

Dear Sir/Madam

**PROPOSED DEVELOPMENT OF THE QUANTUM 1 SOLAR ENERGY FACILITY:
PORTION 265 (OF PORTION 19) OF THE FARM VLAKPLAATS 160-IQ**

This is to confirm that Eskom has no objection to this application, as additional safety measures Eskom requires that the following conditions are complied with:

1. The applicant should apply to the relevant **Eskom Customer Services** if additional supply is required.
2. Please note that, under no circumstances will any relocation work proceed prior to the submission of a formal application to **Eskom Customer Services** and acceptance of the relocation costs by the applicant. A formal application for the relocation of Eskom services must be submitted at least **three months** prior to the commencement of any construction work.
3. Eskom must have ingress to and egress from its services at all times.
4. Eskom will not allow any encroachment whatsoever e.g. buildings, dams, dumping etc. onto its servitude.
5. Future building, civil, electrical, water and sewerage services plans must be presented to Eskom for perusal and approval prior to any work proceeding in the vicinity of Eskom services.
6. Eskom consent does not relieve the applicant from obtaining the necessary statutory, landowner or municipal approvals.

Yours sincerely



Bongi Buthelezi (Ms.)
For: LAND DEVELOPMENT & ENVIRONMENTAL MANAGER



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P O Box 8769, Johannesburg, 2000
Telephone: (011) 240-2500
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Website: <http://www.gauteng.gov.za>

| | |
|------------|--|
| Reference: | Gaut:002/23-24/E3722 |
| Enquiries: | Zanele Mlangeni |
| Telephone: | (011) 240-3379 |
| Email: | zanele.mlangeni@gauteng.gov.za |

Savannah Environmental (Pty) Ltd
Email: joanne@savannahsa.com

Dear Sir / Madam

BA APPLICATION & DRAFT BASIC ASSESSMENT REPORT: QUANTUM 1 SOLAR ENERGY FACILITY (SEF)

The Department acknowledges having received the BA Application & Draft Basic Assessment Report for environmental authorization of the above-mentioned project on 30/08/2023 and the amendments received on 01/09/2023.

You are required to upload the Final Basic Assessment Report after the completion of the review process of the department.

In terms of Regulation 45 of the EIA Regulations 2014, this application will lapse should you fail to meet any of the timeframes prescribed in terms of these regulations, unless an extension has been granted in terms of regulation 3(7).

For status queries on your submission, please contact Strategic Administration Support at environmentenquiries@gauteng.gov.za

Please draw the applicant's attention to the fact that the activity may not commence prior to a decision being issued by the Department.

Yours faithfully

Justine Chan


Acting Deputy Director: Strategic Administration Support

Date: **05 September 2023**

CC: South Africa Mainstream Renewable
Power Developments (Pty) Ltd

Att: Eugene Marais

Email: [sa-devapplications@mainstreamrp.com/](mailto:sa-devapplications@mainstreamrp.com)
eugene.marais@mainstreamrp.com

| | | |
|---|--|--|
|  | <p style="text-align: center;">SCOT</p> | <p style="text-align: center;">Technology</p> |
|---|--|--|

Title: **Renewable Energy Generation Plant Setbacks to Eskom Infrastructure** Unique Identifier: **240-65559775**

Alternative Reference Number: **N/A**

Area of Applicability: **Power Line Engineering**



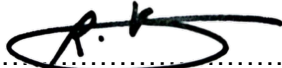
Documentation Type: **Guideline**

Revision: **2**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

| Compiled by | Approved by | Authorised by |
|---|---|---|
|  |  |  |
| <p>J W Chetty Mechanical Engineer</p> | <p>B Ntshuntsha Chief Engineer (Lines)</p> | <p>R A Vajeth Snr Manager (Lines) and SCOT/SC/ Chairperson</p> |
| <p>Date: 15 / 09 / 2020</p> | <p>Date: 30/10/2020</p> | <p>Date: 30/10/2020</p> |

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EXECUTIVE SUMMARY

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies proposed setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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1. INTRODUCTION

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure and future expansion of infrastructure (lines and substation) as per the long term planning scenario.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted. All renewable energy developments are approved by The Department of Environmental Affairs, Forestry and Fisheries (DEFF) in terms of NEMA. The DEFF is aware of the setbacks guideline, however they cannot use it in terms of decision making since the setbacks document has no legal standing in SA and it would be outside of their mandate who have been advised to follow the guidelines herein.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation and possible expansion of substations.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. Although it is not based on any legislative requirement, it is deemed important that Eskom's infrastructure and future network expansion planning is not impeded. The document specifies proposed setback distances for transmission lines (220 kV to 765 kV), distribution lines

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(66 kV to 132 kV) and all Eskom substations. Proposed setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

2.1.1 Purpose

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations and possible future substation expansion.

2.1.2 Applicability

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations and in line of site between Eskom telecommunication infrastructure, including future Eskom renewable energy development.

2.2 NORMATIVE/INFORMATIVE REFERENCES

2.2.1 Normative

1. <http://www.envir.ee/orb.aw/class=file/action=preview/id=1170403/Hiiumaa+turbulence+impact+EMD.pdf>.
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=PA11R&RE=1&EE=1
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards. Wind energy 10.1002/we.468

2.2.2 Informative

None

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When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.3 DEFINITIONS

| Definition | Description |
|------------|---|
| Setback | The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/servitude etc. |
| Flicker | Effect caused when rotating wind turbine blades periodically cast shadows |
| Tip Height | The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1) |

2.3.1 Disclosure Classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

| Abbreviation | Description |
|--------------|-------------|
| None | |

2.5 ROLES AND RESPONSIBILITIES

All parties involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations should endeavour to follow the setbacks outlined in this guideline.

2.6 PROCESS FOR MONITORING

Agreement by Eskom in writing on any encroachment of the setbacks distance should be requested via the Grid Access Unit. Eskom should ensure that every application for renewable energy (RE) developments are informed about the existence of the setbacks document early in the RE planning process to ensure maximum effect. This includes Eskom RE development.

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. DOCUMENT CONTENT

3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects as well as

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future network expansion planning. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [5.0×10^{-5} ^[8]], the distances recorded were significant [750m ^[8]]

Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors influence the wind turbine setbacks specified in this document.

Setbacks were thus introduced to prevent any damage to Eskom infrastructure and impedance to operation and future network expansion planning.

Renewable energy plant can also limit access into substations for power lines of all voltages. A setback distance should therefore be employed to prevent substations from being boxed in by these generation plants and preventing future network expansion. These setback distances are specified in this document.

3.2 ESKOM RECOMMENDED SETBACKS

Any renewable energy applicant should engage with Eskom to determine if their plant layout or positioning of turbines, CSP or PV infrastructure would encroach on the proposed setbacks provided for in this guideline and to ensure that their planning and Eskom's future expansion planning is taken into account. Eskom must inform all renewable energy developers, including Eskom RE, of the existence of the setbacks guideline early in the development process. Should there be an encroachment, a formal request should be sent to and accepted by Eskom in writing if any of the below mentioned setback distances are infringed upon:

- Eskom requests a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requests a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.

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- A written request should be sent to Eskom via the Grid Access Unit regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on.
- Where concentrated solar plants, photovoltaic structures, battery storage systems (BESS) and other renewable generation plants fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), a written agreement with Eskom is recommended during the planning phase of such plant or structures to ensure Eskom's future planning is not impeded.
- Applicants should not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It should be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines due to the criticality of this infrastructure in terms of network operation. Eskom Telecommunications should be engaged on this matter.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, a request for relaxation must be sent through to Eskom as per the point mentioned above.

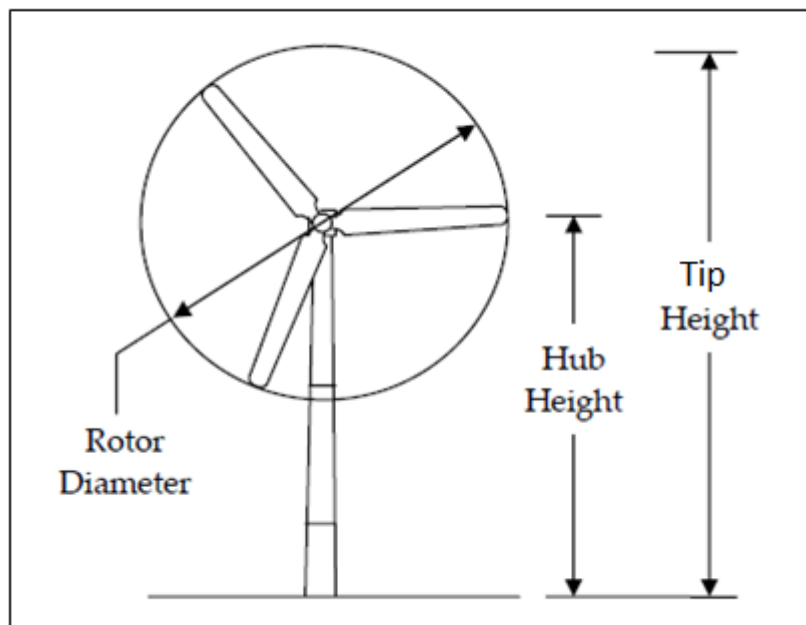


Figure 1: Horizontal Axis Wind Turbine [2]

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4. AUTHORISATION

This document has been seen and accepted by:

| Name & Surname | Designation |
|---------------------------|-----------------------------|
| V Naidoo | Chief Engineer |
| Dr P Pretorius | Electrical Specialist |
| J Geeringh | Snr Consultant Environ Mngt |
| B Haridass | Snr Consultant Engineer |
| B Ntshunsha | Chief Engineer |
| R Vajeth | Snr Manager (Lines) |
| D A Tunncliff | Snr Manager L&R (Acting) |
| B Branfield | Snr Consultant Engineer |

5. REVISIONS

| Date | Rev. | Compiler | Remarks |
|---------------|-------------|-----------------|--|
| November 2013 | 0 | J W Chetty | First Publication - No renewable energy generation plant setback specification in existence. |
| October 2018 | 1 | JW Chetty | Modification to sub-section 3.2 to provide more clarity for application procedure. |
| June 2020 | 2 | JW Chetty | Content within the guideline was re-worded to explain the benefits of mutual agreements between the applicants and ESKOM rather than the application being a legal obligation. |

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz Vajeth (Snr Manager (Lines))

Bruce Ntshunsha (Chief Engineer)

David Tunncliff (Snr Manager L&R Acting)

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TO WHOM IT MAY CONCERN

Eskom requirements for work in or near Eskom servitudes.

1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager

Note: Where an electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

John Geeringh (Pr Sci Nat)(EAPASA)
Senior Consultant Environmental Management
Eskom Transmission Division: Land & Rights
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.
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Cell: 083 632 7663
Fax: 086 661 4064
E-mail: john.geeringh@eskom.co.za

Private Bag X06
Honeydew
2040
Enquiries
Tel: (011) 471 4700
motlhakes@sentech.co.za

**South Africa Mainstream Renewable Power Developments
(Pty) Ltd**

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Cnr Main & Campground Roads,
Claremont, 7708,
Cape Town, South Africa.

t: +27-(0)21-657 4040

info-southafrica@mainstreamrp.co

20 February 2023

Attention: Directors of South Africa Mainstream Renewable Power Developments (Pty) Ltd

Proposed establishment of Quantum 1 Solar Facility

1. The above matter refers.
2. We wish to advise that SENTECH SOC Ltd (“SENTECH”) has received an application from **South Africa Mainstream Renewable Power Developments (Pty) Ltd** (“the applicant”), which plans to construct a solar PV facility as described in annexure 1 hereto, in the Gauteng hereafter referred to as “Quantum 1 Solar Facility”, in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 (“the Act”).
3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:

Directors: Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Moropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbasa Metuse, (ED & CEO) Mlamli Boo, (ED & Acting CFO) Rudzani Rasikhinya CA(SA), & (ED & COO) Tebogo Leshope.

Company Secretary: Ephenia Motlhamme

SENTECH SOC Ltd Reg no: 1990/001791/30

-
- 4.1 Due to the fact that the findings made by SENTECH are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to SENTECH's attention;
 - 4.2 At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, SENTECH will give the applicant 7 (seven) day's written notice to remove the cause of the interference.
 - 4.3 Under no circumstances whatsoever will SENTECH be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH ;
 - 4.4 SENTECH prior written consent must first be obtained before any construction activities underneath, along, across or within close proximity to SENTECH infrastructure can begin and shall comply with the applicable SENTECH guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the applicant shall clearly adhere to, and ensure all installations shall be fully compliant with the Occupational Health and Safety Act No. 85 of 1993.
 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, as well as the size and positioning of structures declared in the application. If the services of SENTECH or its clients is in any way compromised by a deviation or change of this submission, the applicant shall be liable for all costs to re-establish, or relocate the services, and under no circumstances whatsoever will SENTECH be liable to the applicant or any other third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence.
 6. This approval is valid and applicable between SENTECH and the applicant only. It does not include any approval for any of the other electronic communication operators which have current co-sharing agreements to utilise SENTECH's radio masts.
 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
 8. The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to SENTECH for further evaluation and approval.
 9. This approval does not imply any rights of access whatsoever to SENTECH property or use of SENTECH's access roads for construction or maintenance of the design project. Separate permission must be obtained from SENTECH in this regard. Furthermore, SENTECH reserves the right to claim damages in terms of Section 29 of

Directors: Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Moropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbasa Metuse, (ED & CEO) Mlamli Boo, (ED & Acting CFO) Rudzani Rasikhinya CA(SA), & (ED & COO) Tebogo Leshope.

Company Secretary: Ephenia Motlhamme

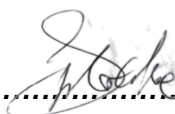
SENTECH SOC Ltd Reg no: 1990/001791/30

the Act, for any loss or damages sustained as a result of damages to any of SENTECH's electronic broadcast and communications infrastructure.

10. The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of SENTECH's employees, contractors, representatives and its property, including the radio transmitters and links on or near the site against damages as a result of construction of the applicant's energy project.
11. The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of SENTECH including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project.
12. In no event will SENTECH, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any SENTECH radio network approved and/or not approved in terms of this letter, even if SENTECH has been advised of the possibility of such damages or injury.

All SENTECH rights are fully reserved.

Regards.

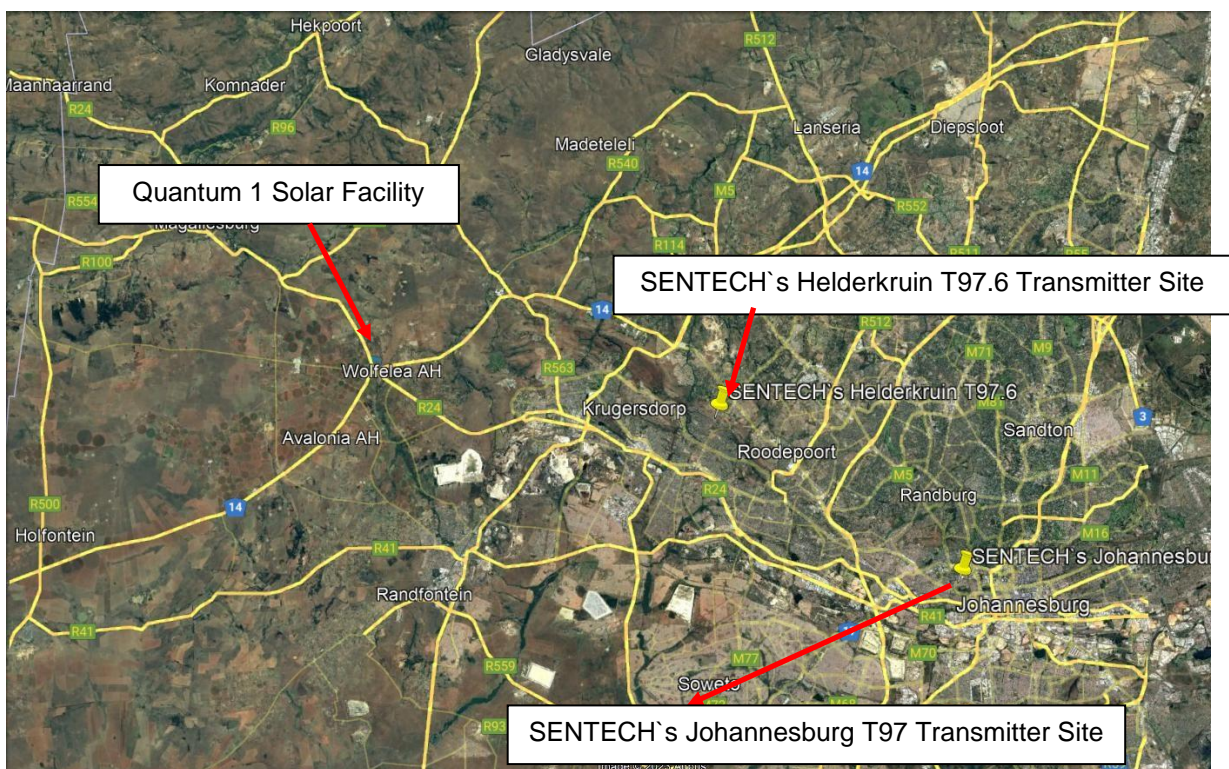

.....20 February 2023

Manager: SSDD, QAO

ANNEXURE 1

Proposed establishment of Quantum 1 Solar Facility is to be established near Carletonville in the Gauteng Province, the facility will be situated approximately 38km north-west of the SENTECH's Johannesburg T97 and 20.87km north-west of Helderkruin T97.6 transmitter sites respectively.

The PV plant consists mainly of flat panels mounted on at a low inclination, and also on structures which is 4 meter above ground level. The low level and low inclination combined with the distance from the transmitter should therefore not result in any degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV) and/or FM radio services in the planned deployment area.



Layout Map: Quantum 1 Solar Facility and SENTECH Transmitter Sites

END DOCUMENT

Directors: Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Moropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbasa Metuse, (ED & CEO) Mlami Boo, (ED & Acting CFO) Rudzani Rasikhinya CA(SA), & (ED & COO) Tebogo Leshope.

Company Secretary: Ephenia Motlhamme

SENTECH SOC Ltd Reg no: 1990/001791/30

COMMENTS FROM INTERESTED AND AFFECTED
PARTIES

APPENDIX E8
COMMENTS FROM I&APS ON
AMENDMENTS TO THE BA REPORT



COMMENTS FROM I&APS ON AMENDMENTS
TO THE BA REPORT ARE NOT APPLICABLE TO
THIS APPLICATION

APPENDIX E9
COPY OF THE REGISTER OF I&AP



QUANTUM 1 SOLAR ENERGY FACILITY (SEF), GAUTENG PROVINCE (GDARD REF: 002/23-24/E3722)

| DEPARTMENT / COMPANY / ORGANISATION | NAME | SURNAME | POSITION |
|---|-------------|-------------------------|--|
| | | Johanna | Local Resident |
| | Ntando | Cossa | Local Resident |
| | Ustert | Laatziu | Local Resident |
| Africa / Bucco Canopies | | Africa / Bucco Canopies | Business Owner |
| Agri Gauteng | F.R | Tomlinson | |
| AgriSA | Janse | Rabie | Head |
| Air Traffic and Navigation Services (ATNS) | Johanna | Morobane | Manager: Corporate Sustainability and Environment |
| Air Traffic and Navigation Services (ATNS) | Simphiwe | Masilela | Obstacle Evaluator |
| Cell C | Brian | Joubert | |
| Cell C | Harish | Kasseepursad | |
| Cell C | Marius | Otto | Manager |
| Cell C | Roger | Everett | |
| Cradelwood Farms | Bert | Davies | |
| Department of Forestry, Fisheries and the Environment | Mishelle | Govender | Chief Directorate: Hazardous Waste Management & Licensing(Ash Working Group) |
| Department of Forestry, Fisheries and the Environment | Seoka | Lekota | Deputy Director |
| Department of Forestry, Fisheries and the Environment | Thivhulawi | Nethononda | Control Biodiversity Officer |
| Department of Forestry, Fisheries and the Environment | Thoko | Buthelezi | Administration Clerk: National Office |
| Department of Water and Sanitation | Bishop | Malatsi | |
| Department of Water and Sanitation | Mashudu | Kgaphola | |
| Endangered Wildlife Trust | Constant | Hoogstad | Programme Manager |
| Endangered Wildlife Trust | Mr J (Jon) | Smallie | Manager: Endangered Wildlife Trust&Energy Program |
| Eskom Holdings SOC Ltd | Curtis | Meintjies | |
| Eskom Holdings SOC Ltd | John | Geeringh | Senior Environmental Advisor |
| Eskom Holdings SOC Ltd | Kubentheran | Nair | |
| Eskom Holdings SOC Ltd | Lianne | Muller | |
| Eskom Holdings SOC Ltd | Rochelle | Fortuin | Land Development Wayleave Team |
| Eskom Holdings SOC Ltd: Gauteng | | Eskom Wayleaves JHB | Wayleave Officer |
| Eskom Holdings SOC Ltd: Gauteng (Dx) | Charmaine | Mare | Manager: Environmental Management |
| ESKOM Transmission | Lungile | Motsisi | |
| G D Tool & Die | | Gary | Manager |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Abimbola | Olowa | Deputy Information Officer |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Babsi | Sidzumo | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Bongani | Shabangu | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Boniswa | Belot | Deputy Director |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Caleb | Masangane | Manager |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Dan | Motaung | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Erick | Moletsane | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Erick | Moletsane | Case Officer |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Given | Phakula | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Jacob | Legadima | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Joshua | Mahada | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Justine | Chan | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Loyiso | Mkwana | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Marc | Leroy | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Marc | Leroy | |

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|---|---------------------|-----------------|---|
| Gauteng Department of Agriculture and Rural Development (GDARD) | Mpho | Kadi | Manager |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Ntshepiseng | Moloi | Deputy Director: Litigation Management |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Patrick | Duigan | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Phoka | Mathabo | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Rina | Taviv | |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Steven | Mukhola | Director |
| Gauteng Department of Agriculture and Rural Development (GDARD) | Tendani | Rambuda | |
| Greenway Farm | Vito | Rugania | Owner |
| Light Centre for Disabled Children | Glenny | Marubini | Manager |
| MalBon Holdings | | MalBon Holdings | Owner |
| McKenzie Butchery and Abbatoir | Ronnie | McKenzie | Business Owner |
| Mogale City Local Municipality | Hannie | Marais | |
| Mogale City Local Municipality | Keitumetse | Mabe | |
| Mogale City Local Municipality | Makhosana | Msezana | Municipal Manager |
| Mogale City Local Municipality | Nyakallo | Segapela | |
| Mogale City Local Municipality | Risenga | Munyai | Ward 30 Councillor |
| Mogale City Local Municipality | Wonderful | Segolodi | |
| Mogale City Local Municipality | Xolile | Mkruquli | |
| MTN | | Administrator | |
| National Government: Department of Public Works | Sam | Vukela | Acting Director General |
| openServe (on behalf of Telkom SA Ltd) | Vivian | Groenewald | |
| Passenger Rail Agency of South Africa (PRASA) | Tony | Games | |
| Provincial Heritage Resources Authority Gauteng (PHRAG) | Maphata | Ramphele | |
| Quantum Foods | Gladness | Ngshahi | Manager |
| SANParks: National | Nicholus | Funda | National Coordinator |
| SANParks: National | Paul | Daphne | Director: Parks |
| SANParks: National | Peter | Novellie | Senior General Manager |
| SANRAL | Nxobile | Mabaso | Regional Environmental Manager |
| SANRAL | Victoria | Bota | Environmentalist |
| Sentech Ltd | Johan | Koegelenberg | Coverage Planner: RF Networks |
| Sentech Ltd | Marlon | Finnis | |
| Sentech Ltd | Serame | Mothake | Manager |
| Sentech Ltd | Zane | Mannel | Head |
| South African Civil Aviation Authority (CAA) | Evelyn | Shogole-Molepo | |
| South African Civil Aviation Authority (CAA) | Lizelle | Stroh | Obstacle Specialist |
| South African Civil Aviation Authority (CAA) | Zwelithini | Vilakazi | Inspector: PANS-OPS/ Cartography |
| South African Heritage Resources Agency (SAHRA) | Andrew | Salomon | Heritage Officer: Gauteng & Free State |
| South African Heritage Resources Agency (SAHRA) | Phillip | Hine | Heritage Officer: Northern Cape & North West Province |
| South African National Defense Force | Francois | Strydom | |
| South African National Defense Force | JR | Kenny | Chief of Logistics: Renewable Energy Applications SO1 Military Integrated Environment Management (MIEM) Governance |
| South African National Defense Force | Lt. Col. Kebasenosi | Zondi | |
| South African Radio Astronomy Observatory (SARAO) | Adrian | Tiplady | South African SKA Site Bid Manager |
| South African Radio Astronomy Observatory (SARAO) | Busang | Sithole | Analyst |
| South African Radio Astronomy Observatory (SARAO) | Selaelo | Mathane | Spectrum and Telecoms Manager |
| South African Radio Astronomy Observatory (SARAO) | Tshegofatso | Monama | |
| South African Weather Services (SAWS) | Bernard | Petlane | |
| South African Weather Services (SAWS) | Rydall | Jardine | |
| Telkom SOC Limited | Amanda | Bester | |
| The Endangered Wildlife Trust | Ms Y (Yolan) | Friedmann | CEO |
| Transnet Freight Rail | Given | Mashiane | |
| Transnet Properties: Johannesburg-Westrand | Allona | Majola | |
| Transnet SOC Limited | Philiiswe | Selwane | |
| Vodacom | Hennie | Barnard | Property Manager |
| Vodacom | Johan | Theron | Transmission Manager: Eastern |
| Vodacom | Junior | Adraanse | Property Manager |
| West Rand District Municipality | Clement | Mohlala | Head of Communications |
| West Rand District Municipality | Elias | Koloi | Municipal Manager |

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|--|--------|-----------|----------------------------------|
| West Rand District Municipality | Hullet | Hild | Executive Mayor |
| West Rand District Municipality | M | Mazibuko | Executive manager: Environmental |
| West Rand District Municipality | Susan | Stoffberg | Environmental Manager |
| Wildlife & Environment Society of South Africa (WESSA) | Tania | Anderson | Conservation Officer |