

APPENDIX C6
COMMENTS RECEIVED



Savannah Public Process

From: Savannah Public Process
Sent: Tuesday, 21 June 2022 22:10
To: John Geeringh
Subject: SE3241: SIBANYE SOLAR PVs FACILITIES - KMZ File
Attachments: SA PGM PV - Site Summary 12.04.2022.kmz

Dear John,

Thank you for the Eskom documents – it has been forwarded to Sibanye Stillwater for their attention.

As requested, please find attached the KMZ file with all three proposed Solar PV Developments.

Kind regards,



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Nicolene Venter

Public Participation and Social
Consultant

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

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From: John Geeringh <GeerinJH@eskom.co.za>
Sent: Tuesday, 21 June 2022 13:01
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: [CAUTION:EXTERNAL EMAIL] - SE3241: SIBANYE SOLAR PVs FACILITIES, ASSOCIATED INFRASTRUCTURE, EGI & WULA FOR THE SA PGM PV PROJECTS - Background Information Document & Project Notification

Please send me KMZ files of the proposed development and grid connection. Please find attached Eskom requirements for work at or near Eskom infrastructure and servitudes, as well as the setbacks guideline for renewable energy developments.

Kind regards

John Geeringh (Pr Sci Nat) Reg. EAP (EAPASA)
Senior Consultant Environmental Management
Grid Planning: Land and Rights
Eskom Transmission Division
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.
P O Box 1091, Johannesburg, 2000.

Tel: 011 516 7233
Cell: 083 632 7663
Fax: 086 661 4064
E-mail: john.geeringh@eskom.co.za

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

Sent: Monday, 23 May 2022 11:56

To: John Geeringh <GeerinJH@eskom.co.za>

Subject: [CAUTION:EXTERNAL EMAIL] - SE3241: SIBANYE SOLAR PVs FACILITIES, ASSOCIATED INFRASTRUCTURE, EGI & WULA FOR THE SA PGM PV PROJECTS - Background Information Document & Project Notification

**DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID
INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTERNBURG AND MARIKANA, NORTH WEST
PROVINCE
(DFFE Reference Nos.: To be Issued)**

Dear Stakeholder and Interested & Affected Party,

The development of renewable energy facilities is proposed by various Special Purpose Vehicles (SPVs). The project entails the development of three (3) separate solar Photovoltaic (PV) facilities with a combined contracted capacity of up to 205MW and will be known as SRPM Solar PV, Karee Solar PV, and Marikana Solar PV respectively, each including a grid connection and other associated infrastructure. The Solar PV facilities are based near current Sibanye Stillwater mining operations ~6km east of the town of Rustenburg, 3km east of the town of Photshaneng and 8km east from the town of Marikana within the Rustenburg and Madibeng Local Municipalities respectively, and within the greater Bonjanala Platinum District Municipality, North West Province (NWP). The projects will all tie-in to the electricity grid behind the Eskom meter at the respective Sibanye customer substations.

The three (3) solar photovoltaic (PV) energy facilities are to be known as:

- » SRPM Solar PV
- » Karee Solar PV
- » Marikana Solar PV

Additional technical information regarding these renewable energy facilities and the associated grid connections are available in the Background Information Document attached to this e-mail.

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

Kind regards,

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environmental

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

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 and 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)
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	<p style="text-align: center;">SCOT</p>	<p style="text-align: center;">Technology</p>
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Title: **Renewable Energy Generation Plant Setbacks to Eskom Infrastructure** Unique Identifier: **240-65559775**

Alternative Reference Number: **N/A**

Area of Applicability: **Power Line Engineering**



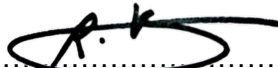
Documentation Type: **Guideline**

Revision: **2**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

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

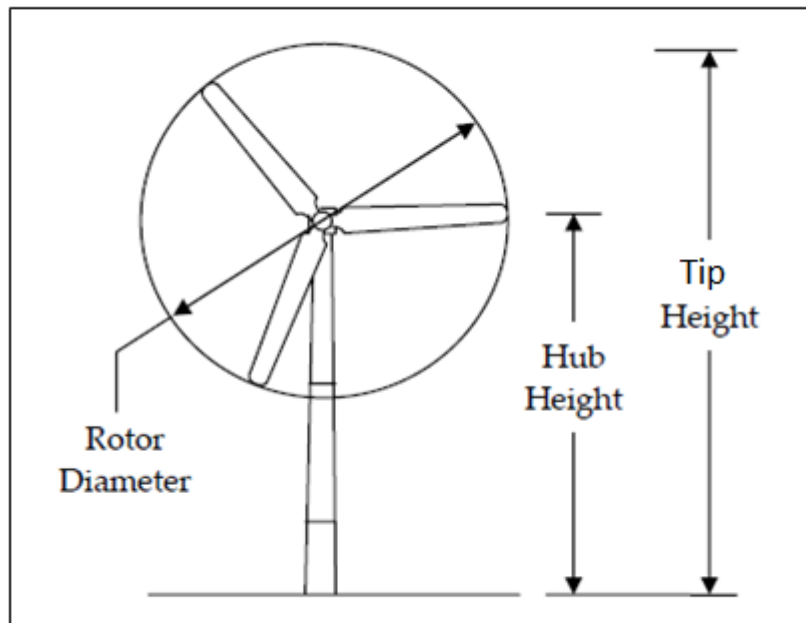


Figure 1: Horizontal Axis Wind Turbine [2]

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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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Savannah Public Process

From: Savannah Public Process
Sent: Friday, 24 June 2022 17:39
To: Ria Barkhuizen (NR); nrstat@nra.co.za
Subject: E3241: SIBANYE STILLWATER PV CLUSTER - KMZ
Attachments: SA PGM PV - Site Summary 12.04.2022.kmz

Dear Ria,

Please find attached the .KMZ file as requested.

Kind regards,



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From: Ria Barkhuizen (NR) <Barkhuizenr@nra.co.za>
Sent: Wednesday, 22 June 2022 10:53
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: SE3241: SIBANYE STILLWATER PV CLUSTER - Notification of Availability of Scoping Reports for review and comment
Importance: High

Good day

Please supply SANRAL with GPS co-ordinates as well as an A4 locality map of this proposed development. Info together with application can be emailed to nrstat@nra.co.za

Kind regards,
Ria

Nicolene Venter

From: Nicolene Venter
Sent: Tuesday, 28 June 2022 10:24
To: Morgan Griffiths
Subject: RE: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation

Dear Morgan,

Your comment and information shared below, on behalf of WESSA, is acknowledged.

Please do not hesitate at any stage of the EIA to contact us should you require any additional information or clarification regarding the applications.

Kind regards\



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

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From: Morgan Griffiths <morgan.griffiths@wessa.co.za>
Sent: Tuesday, 28 June 2022 09:08
To: Nicolene Venter <nicolene@savannahsa.com>
Subject: RE: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation

Dear Nicolene

Thank you for the invitation, but I will not be able to attend. WESSA is keeping an eye over all the PV and find farms being applied for. Setting aside site specific issues, while these facilities do have some environmental negatives, their overall impact on reducing use fossil fuel use is highly beneficial.

WESSA remains an I&AP

With thanks
Morgan Griffiths

From: Nicolene Venter <nicolene@savannahsa.com>
Sent: Tuesday, 28 June 2022 08:43
To: Nicolene Venter <nicolene@savannahsa.com>
Cc: Ansoné Esterhuizen <Anson@savannahsa.com>
Subject: FW: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation
Importance: High

**DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID
INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTERNBURG AND MARIKANA, NORTH WEST
PROVINCE
(DEDECT Reference Nos.: To be Issued)**

Dear Officials,

Firstly, thank you to those who already accepted the calendar invitation to the Key Stakeholder Workshop.

This e-mail serves to remind and urge those who had not yet indicated their attendance at today's Key Stakeholder Workshop (KSW) taking place via MS Teams at **14h00 today**. The invitation was sent to you via Outlook Calendar on 20 June 2022, together with the attached Q&A Booklet.

The content of the calendar invitation is as below:

The development of renewable energy facilities is proposed by various Special Purpose Vehicles (SPVs). The project entails the development of three (3) separate solar Photovoltaic (PV) facilities with a combined contracted capacity of up to 205MW and will be known as SRPM Solar PV, Karee Solar PV, and Marikana Solar PV respectively, each including a grid connection and other associated infrastructure. The Solar PV facilities are based near current Sibanye Stillwater mining operations ~6km east of the town of Rustenburg, 3km east of the town of Photshaneng and 8km east from the town of Marikana within the Rustenburg and Madibeng Local Municipalities respectively, and within the greater Bonjanala Platinum District Municipality, North West Province (NWP). The projects will all tie-in to the electricity grid behind the Eskom meter at the respective Sibanye customer substations.

Savannah Environmental has been appointed as the independent environmental assessment practitioner to manage the application for Environmental Authorisations (EAs) and undertaking the Environmental Impact Assessment (EIA) processes required to identify and assess potential environmental impacts associated with the project, as well as propose appropriate mitigation and management measures to be contained within the Environmental Management Programme (EMPr).

We would like to take this opportunity to invite you, as commenting Officials, to the Key Stakeholder Workshop (KSW) taking place on Tuesday, 28 June 2022 at 14h00 via MS Teams.

The purpose of the KSW is to present the following to you as Officials:

- brief background to the proposed projects (SPRM Solar PV, Karee Solar PV & Marikana Solar PV);
- an overview of the Scoping Phase and public participation processes followed;
- a summary of the key environmental studies as documented in the Scoping Reports;
- an opportunity for you to seek clarity and raise comments and/or concerns; and
- to record comments raised at the KSW.

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

Please find attached the Questions and Answers Document compiled with questions and/or concerns raised to date.

You are kindly requested to submit any questions that you would want the project team to respond to at the KSW to us prior to the meeting.

As per our notification dated 15 June 2022 in which you were notified of the availability of the Environmental Impact Assessment (EIA) Reports in support of the Applications your review and comment, please take note that the 30- day review and comment period for the EIA Reports commenced on Friday, 17 June 2022 and is ending on Monday, 18 July 2022.

Visit our website on <https://savannahsa.com/public-documents/energy-generation/se3241-sibanye/> to download the EIA Reports - the release code for all the EIA Reports is Mv2kEoES

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

Kind regards,



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

Nicolene Venter

Public Participation and Social
Consultant

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

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

Processing of personal information / POPIA compliance

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Nicolene Venter

From: Nicolene Venter
Sent: Monday, 04 July 2022 13:25
To: 'Elijah Dumisani Katsetse'
Subject: RE: Sibanye Stillwater PV Projects

Dear Mr Katsetse,

Thank you for your e-mail below.

Please be informed that the Scoping Reports have been uploaded onto SAHRIS with the following CaseIDs:

- SRPM PV: 18837
- Karee: 18836
- Marikana: 18838

Kind regards,



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f: +27 (0) 86 684 0547

Nicolene Venter

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

From: Elijah Dumisani Katsetse <ekatsetse@sahra.org.za>
Sent: Monday, 04 July 2022 13:13
To: Nicolene Venter <nicolene@savannahsa.com>
Subject: Sibanye Stillwater PV Projects

Good day,

Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: <http://sahra.org.za/sahris/>. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.

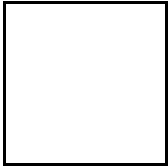
Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Application Process. As per section 24(4)b(iii) of NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.

Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application.

Kind regards,
Elijah Dumisani Katsetse

Elijah Katsetse

APM Officer



T: 021 462 4502/8653
M:
E: EKatsetse@sahra.org.za
A: SAHRA, 111 Harrington Street, Cape Town, 8001,
Western Cape, ZA
www.sahra.org.za

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SAHRA PRIVACY POLICY



forestry, fisheries & the environment

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

Private Bag X 447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, Tel: +27 12 399 9000, Fax: +27 86 625 1042

Reference: MARIKANASolar PV

Enquiries: Ms. Portia Makitla

Telephone: 012 399 9411 **E-mail:** pmakitla@environment.gov.za

Ms Nicolene Venter
Savannah Environmental
P.O. Box 148
SUNNINGHILL
2157

Telephone Number: +27 (11) 656 3237

Email Address: publicprocess@savannahsa.com

PER E-MAIL

Dear Ms Venter

COMMENTS ON THE DRAFT SCOPING REPORTS FOR THE PROPOSED DEVELOPMENT OF A MARIKANA SOLAR PV FACILITIES, GRID CONNECTION AND OTHER ASSOCIATED INFRASTRUCTURE, NORTH WEST PROVINCE

The Directorate: Biodiversity Conservation has reviewed and evaluated the report.

The Directorate: Biodiversity Conservation has reviewed and evaluated the report and does not have any objections to the Draft Scoping Report & Plan of Study provided that all relevant National and Provincial biodiversity guidelines will be considered in the final report.

Please also note that any development within very highly sensitive biodiversity area; where residual impacts will result with very high significant impacts rating will not be supported. The final report must also include the cumulative impacts assessment for similar developments in proximity with the proposed site (if any).

NB: The Public Participation Process documents related to Biodiversity EIA for review (EIA reports) and queries should 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: 18/07/2022



Batho pele- putting people first



public works & roads

Department:
Public Works and Roads
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

Modiri Molema Road
Old Parliament Complex
Mmabatho, 2735
Private Bag X 2080, Mmabatho,

CHIEF DIRECTORATE: TRANSPORT INFRASTRUCTURE

DIRECTORATE: PLANNING AND DESIGN

Tel.: +27 (18) 388 1398
Email: Sitase@nwpg.gov.za
Enq: K A Sitase

Ref: R42_11-1-3-1_SE3241_SRPM Solar PV Facility

SAVANNAH ENVIRONMENTAL (PTY) LTD

Savannah Environmental (Pty) Ltd

PO Box 148

Sunninghill

2157

For attention: **Nicolene Venter**

COMMENTS/ CONSENT IN TERMS OF ACT NO 21 OF 1940 AND ROADS ORDINANCE NO 22 OF 1957 AS AMENDED: NOTICE FOR THE DEVELOPMENT OF THE SE3241 SIBANYE STILLWATER PROJECTS – SRPM 80 MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE ON PORTIONS 5, 6, 8, 16 AND 48 OF THE FARM WATERVAAL 303 JQ, RUSTEBURG LOCAL MUNICIPALITY, NORTH WEST PROVINCE

AFFECTED PROVINCIAL ROAD (S) : D108_020
MUNICIPALITY : RUSTEBURG LOCAL MUNICIPALITY
TOWN/ TOWNSHIP/ FARM : PORTIONS 5, 6, 8, 16 AND 48 OF THE FARM WATERVAAL 303 JQ
REGISTRATION NUMBERS :
CLIENT(S)/ APPLICANT : SRPM SOLAR (PTY) LTD


Your communication dated **28 June 2022** has reference. This consent is issued in terms of the **Advertising on Roads and Ribbon Development Act No 21 of 1940** and **Roads Ordinance No 22 of 1957** as amended.

There is no objection to the proposed development, subject to the strict adherence of the attached **Specific and Special Conditions** and should form part of the proposed planning/ development, also that the conditions/requirements listed below are imposed and met in all respects by the applicant:



NOTE : A written confirmation of acceptance of the attached conditions is required. In the event of not receiving a written acceptance of conditions, the approval is withdrawn and this approval is cancelled.

Yours faithfully



DIRECTOR : PLANNING AND DESIGN

20/7/2022

DATE

LA MAFUNE

cc. : Oarabile Totwe, Tel. No.082 430 9775, Private Bag X 82063, Rustenburg, 0300; OTotwe@nwpg.gov.za

Attached : Locality Map_SE3241 Sibanye Stillwater Cluster SRPM Solar PV Facility and Google_RPM Solar PV Facility



A SPECIFIC AND SPECIAL CONDITIONS: PROPOSE ACCESS (ES)

NB : This comments is granted in favour of **SRPM SOLAR (PTY) LTD** as stipulated in the application.

1. ILLEGAL/ INFORMAL ACCESS (ES)

1.1 If there is any existing informal access (es) to the Provincial Road **D108_020** in the radius of less than 650 m from the approved/ existing/ proposed access (es) will be illegal therefore should be closed along the affected Provincial road(s), and the traffic should be directed to the approved access (es).

1.2 No additional access (es) will be allowed to Provincial Road(s) **D108_020** at all, without the written approval of the Controlling Authority (Department of Public Works and Roads).

2. ACCESS TO THE PROPOSED DEVELOPMENT

The existing access(es) to the affected land i.e. **Locality Map_SE3241 Sibanye Stillwater Cluster_SRPM Solar PV Facility** will be used for the above-mentioned development(s).

No additional access (es) will be allowed to Provincial Road(s) **D108_020** at all, without the written approval of the Controlling Authority (Department of Public Works and Roads).

3 LINES OF NO ACCESS

3.1 No ingress to or egress from the existing Road(s) **D108_020** to the above-mentioned proposed development other than the one mentioned in **paragraph 2** will be allowed, without the written approval of the Controlling Authority (Department of Public Works and Roads).

4. ADDITIONAL STRUCTURES

No structures will be allowed inside the road reserve of Road(s) **D108_020** without the written approval of the Controlling Authority (Provincial Department of Public Works and Roads)



B GENERAL/ CONDITIONS FOR PROPOSED DEVELOPMENT

NB : This Comments is granted in favour of **SRPM SOLAR (PTY) LTD** as stipulated in the application.

5 MINIMUM REQUIREMENTS OF JUNCTION(S) ON A PROVINCIAL ROAD(S)

5.1 The minimum requirements of Intersection on a Provincial Road, as illustrated by the attached Typical Plan No: **NWP 3/6** for standard accesses on provincial roads.

5.2 **Layout plans** – Tapers, Acceleration and Deceleration Lanes, are a must for any access. A separate **Left-turn lane(s)**, with a **Slip-Lane(s)**, and dedicated **Right-Turning Lane(s)** from both directions shall be provided if more than **250 vehicles per hour** in any hour of a day are turning left out of the main road, as illustrated by the attached Typical Plan No: **Typical Plan_NWP 3-4**, (*but less than 250 vehicles per hour* then Typical Plan No: **Typical Plan_NWP 3-3** is applicable) for standard accesses on provincial roads.

Note: Should the need arise, the applicant shall build the above-mentioned development at own cost under the supervision of a Professional Civil Engineer to the satisfaction of the **Deputy Director General: Department of Public Works and Roads**

5.3 Provision must be made for **15 x 45 m** road reserve splays or as determined by the Director-Roads/ Engineer. These road reserve splays must be fenced by the applicant/owner at his/her cost.

Note: The longest distance is measured parallel to the main road. Attached please find Typical Plans: **NWP 5-1** indicating the required road reserve splays and relevant type of access.

6. BUILDING LINE

The above mentioned Provincial Road(s), have a **95m Standard Building Line**.

6.1 Building restriction areas in compliance with the requirements of Executive Committee Resolution 1112 of 26 June 1978 is as per paragraph 4.1 (Road Ordinance): The **standard building line** applicable is **95 m** measured from the centre of these roads.



6.2 ROAD RESERVE WIDTHS OF THE AFFECTED PROVINCIAL ROADS

Provision must be made for the following road reserves/ streets and must be excluded from the proposed development:

- i) Road **D108_020** with the road reserve width of about **25 m**

6.3 BUILDING LINE RELAXATION

The *Department of Public Works and Roads (DPWR)* is hereby grant the **minimum relaxation of the building line** from the **Standard 95m** as stated by **Clause 4: Standard Building Line** above as follows.

Also see the attached *Sketch Plans Road Reserve Widths*.

- i. **Road Reserve Width of 25 m** : The Building Line Relaxation is **45 m** from the centre of the Road Reserve; *(i.e.32 m from road reserve boundary)*.

7. ABNORMAL TRUCKS/ EQUIPMENTS

Department of Public Works and Roads should also be notified with any of the intention of transporting abnormal trucks/ equipments on any of the above stated provincial road(s).

8. BLASTING/ EXPLOSIVE OF ROCKS

Any unstable conditions encountered or any rock requiring blasting to be reported directly and immediately to the *Departmental Roads Engineer/ Manager*.

Blasting to be done in accordance with the current applicable Explosives Regulations (e.g. Act No 26 of 1956) and possible damage to the road must be excluded as far as possible.

Any damage to the road caused by unstable soil conditions (subsidence, etc.) or blasting must be repaired to the satisfaction of the: *Departmental Roads Engineer/ Manager*.



9. DAMAGED/ REMOVAL OF PROPERTIES

No trees, shrubs, cultivated grass, gates or road fencing must be removed or damaged within the Road Reserve of the affected(s). If such plants or fenced were removed or damaged you will have to replace it to the entire satisfaction of the *Departmental Roads Engineer/ Manager*.

10. NOTIFICATION TO THE DEPARTMENT: WAYLEAVE APPLICATIONS

Based on the above-mentioned provincial road(s), the department should be notified (with appropriate detailed plans) about any intention or planning and before the commencement of the following: -

- Change of Land Utilisation (*e.g. From Agriculture to Business/ Settlements, etc*).
- Construction of any structures (*e.g. Buildings*) along the affected road(s).
- Construction of Permanent or Temporary Access (es) from the said provincial road(s).
- Erection and or construction of Overhead and or Underground Services (*e.g. Water & Sewerage pipe lines, Electrical and Telephone Cable Lines*) across or parallel to the affected road(s).
- Closing and or Deviation of part or section(s) of the above stated provincial road(s).
- Advertisement along the affected road(s).
- Working inside the road reserves of any of the affected road(s).
- Temporary or Permanent Closure of Traffic on either of the above stated provincial road(s).

11. GEOMETRIC DESIGN AND SPECIFICATIONS OF THE NEW ACCESS

11.1 For the construction of the access (es) the applicant (whoever is responsible for the construction thereof) shall submit to the Deputy Director General: Department of Public Works and Roads, for his approval, a geometric layout plan(s) to a scale of 1: 500, prepared and signed by a Professional Civil Engineer.

11.2 For the construction of the access (es) the applicant (whoever is responsible for the construction thereof) shall submit to the Deputy Director General: Department of Public Works and Roads, for his approval, a specifications, for the building thereof.



12. RESPONSIBILITY OF THE CONSTRUCTION OF THE ACCESS

- 12.1** After the plans and specifications stated in paragraph **11.1** and **11.2** above, have been approved by the Deputy Director General: Department of Public Works and Roads, the applicant shall build the access(es) **at own cost** under the supervision of a Professional Civil Engineer to the satisfaction of the Deputy Director General: Department of Public Works and Roads.
- 12.2** On completion of the work, the Professional Civil Engineer shall certify, that work has been carried out in accordance with the approved plan(s) and specifications.
- 12.3** The certificate of completion shall be handed over to the Deputy Director General: Department of Public Works and Roads, with the copy to the Deputy Director General: Relevant Authority of Agriculture, Conservation and Environment Affairs.

13 PERMISSION TO WORK INSIDE THE ROAD RESERVE

The applicant shall not commence with work inside the road reserve until he has obtain written approval from the Deputy Director General: Department of Public Works and Roads to do so.

14 INDEMNITY OF THE PREMIER AGAINST CLAIMS

- 14.1** You indemnify the **PREMIER OF NORTH WEST** and exempt him from any claim or damage which may be instituted or suffered by any person, including legal costs, as a result of the laying or erection of any service or any other works caused or erected by you, or as a result of negligence on your part to protect or maintain the service or other works caused by any other person unless you can prove negligence on the part of Department of Public Works, Roads and Transport or its officials.
- 14.2** The Department of Public Works and Roads will not be liable for any damage suffered by the applicant as a result of operations carried out on road construction or road maintenance or any other operations whatsoever, unless negligence on the part of Department of Public Works, Roads and Transport or its officials can be proved.



14.3 The applicant shall indemnify the Department of Public Works and Roads or its officials and workers against any claims arising out of any death of or injuries to any person or damage to any property whatsoever (including services such as water pipes, telephone and or electric cables, etc.) caused by or resulting from the activities of the applicant in the road reserve.

14.4 **Where someone other than the state,** applicant is responsible for the construction of the access (es), the applicant shall take out a policy covering him to the amount to be stipulated by the Controlling Authority (Department of Public Works and Roads).

This is necessary to enable the applicant to comply with the above requirements. Before any work is done in the road reserve, the applicant shall deliver proof that the policy has been taken out and all costs of it have been paid.

15 LAND USE ALONG THE ROAD(S)

15.1 Land use of even build on the lines of no access shall be in accordance with the requirements of Executive Committee Resolution 1112 of 26 June 1978.

15.2 The applicant shall not erect/ built either permanent or temporarily structures, and or any informal structures along the above-mentioned provincial roads inside the road reserve until he has obtain written approval from the Deputy Director General: Department of Public Works and Roads to do so

16 RESPONSIBILITY FOR THE COST OF (ACOUSTIC SCREEING) NOISE BARRIER

The applicant shall be responsible for any costs involved in the erection of Acoustic Screening (Noise Barrier).

17 ACCEPTANCE AND DISPOSAL OF STORM WATER


17.1 In terms of Section 84 of the road Ordinance, 1957, the applicant shall arrange the drainage of the proposed development(s) in such way that it fit in with the drainage of the provincial Road(s) **D108_020**, taking into account the capacity of the system.



- 17.2** The applicant/ local authority or whoever responsible for the drainage of the proposed development(s) shall receive and dispose all the storm water running from the road or being diverted from the road.
- 17.3** The state or the Provincial Administration will not be responsible for any damage caused by arising from such storm water.
- 17.4** Where, in the opinion of the Deputy Director General: Department of Public Works and Roads, the system for the above-mentioned road(s) is too small to cope with any increased volume of the storm as a result of the establishment or proposed development(s), the applicant/ local authority (whoever responsible for the drainage) shall be responsible for the cost of installing a larger drainage system for the provincial Road(s) **D108_020**.
- 17.5** The applicant/ local authority or whoever responsible for the drainage of the proposed development(s) shall built/ construct the drainage scheme at own cost simultaneously with the construction of the access (es).

It will be appreciated if you would kindly ensure that all the above conditions are included in the proposed and intended developments. Should you have any question and or clarification in regard to the above-mentioned, please do not hesitate to contact this Department.

Yours faithfully



DIRECTOR : PLANNING AND DESIGN

20/7/2022
DATE

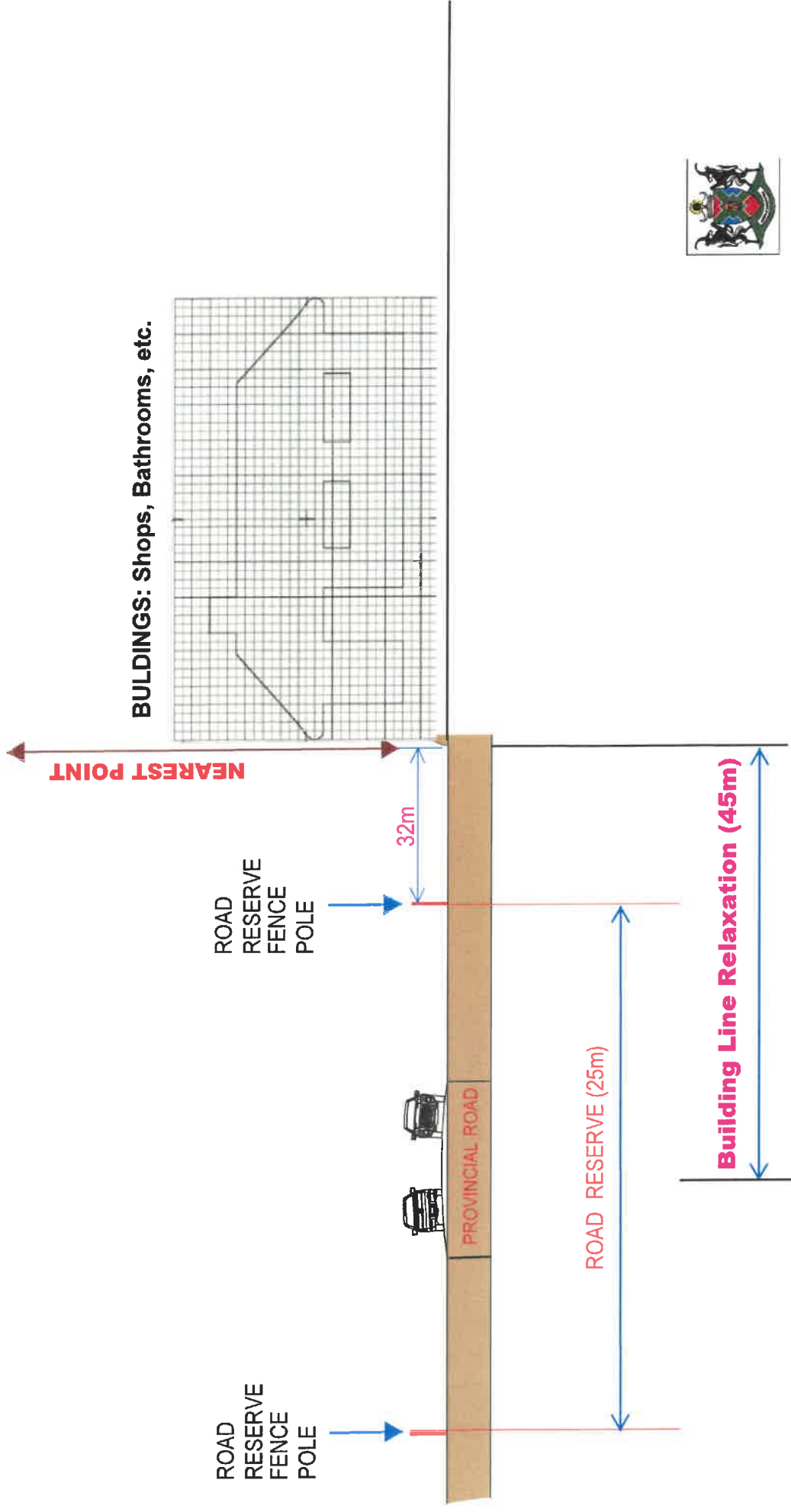
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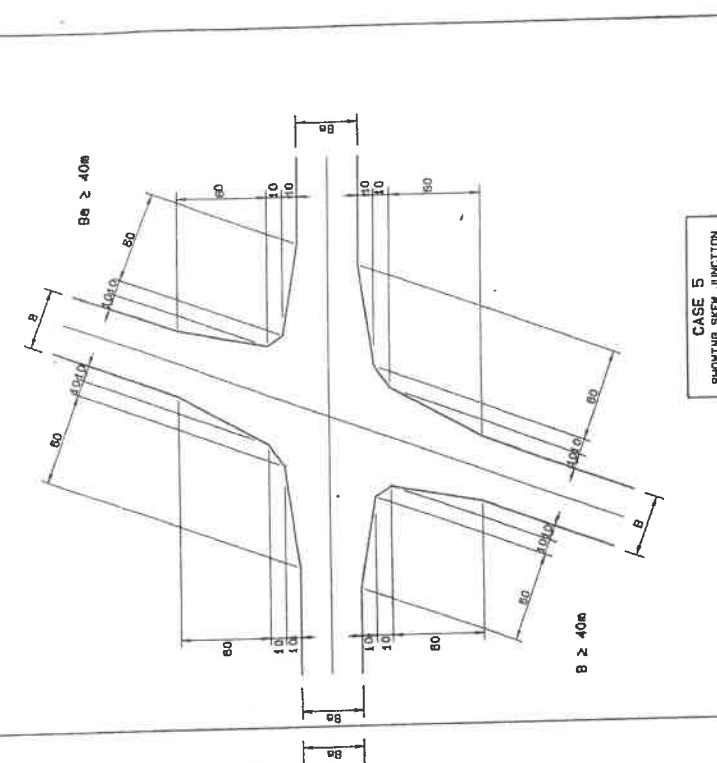
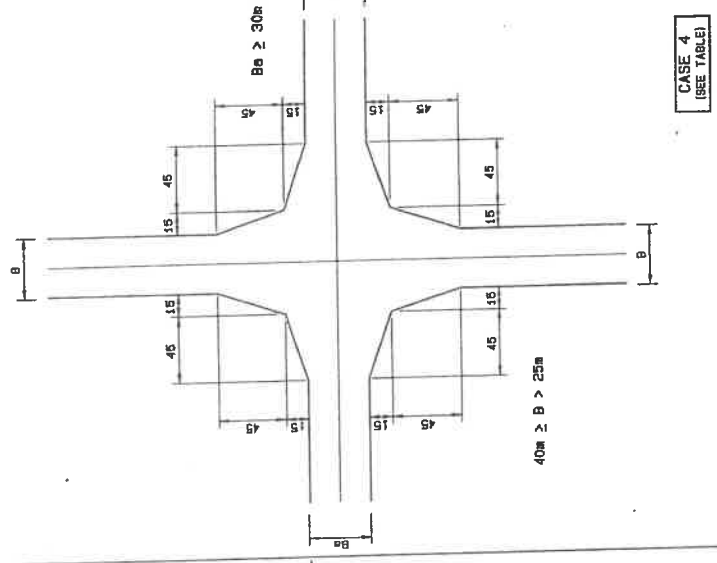
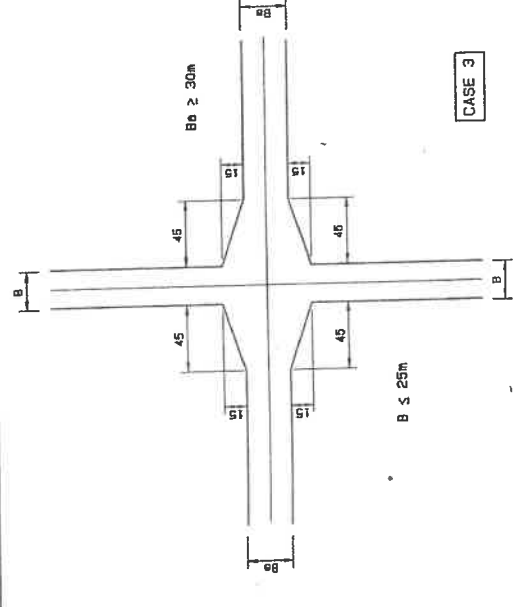
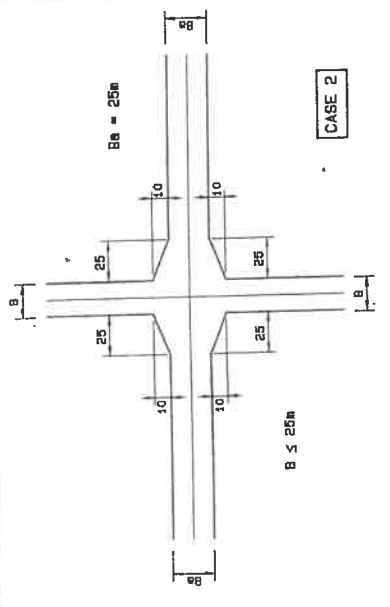
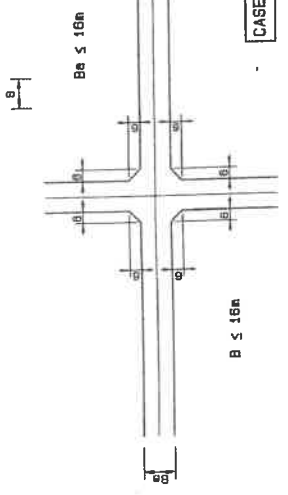
ATTACHED : Typical Plan No: NWP 3/3; 3/4 & 5 /1
: : Locality Map_SE3241 Sibanye Stillwater Cluster_SRPM Solar PV Facility and Google_RPM Solar PV Facility
: Sketch Plan_25m Rd Reserve_Building Line Relax_Buildings



MINIMUM BUILDING LINE RELAXATION

BUILDINGS ALONG PROVINCIAL ROAD





APPLICATION OF DIFFERENT CASES

MIN ROAD RESERVE WIDTH (B)	MAIN ROAD (B _m)				
	0	18	25	30	40
8	1#	1#	2	3	3
10		1#	2	3	3
25			2	3	3
30				4	4
40				4	4 (C) 4# (C) 4# (C) 4#
48.4					4 (C) 4# 5
62					4 (S) 4# 5 5

JUNCTION ROAD (B)

MINIMUM SPLAY SHOULD BE 8m x 8m (SYMMETRICAL). THE REQUIREMENT IS THAT A SKEW VEHICLE MUST BE ACCOMMODATED UNLESS THE LOCAL AUTHORITY REQUIRES OTHERWISE.

CASE 5 ONLY TO BE USED WHEN BOTH ROADS USE DUAL CURB/VERGEMENT ROADS.

NOTES:

- WHERE APPLICABLE, CASES 1 AND 2 SHOULD BE DETERMINED IN CONSULTATION WITH THE LOCAL AUTHORITY.
- THE DESIGN VEHICLE TO DETERMINE THE MINIMUM DIMENSIONS AT JUNCTIONS TO INDUSTRIAL AREAS SHOULD BE A BUS VEHICLE (SPECIAL) AND WHERE NECESSARY THE ROAD RESERVE MUST BE ADJUSTED ACCORDINGLY. FOR ALL OTHERS THE DESIGN VEHICLE TO BE USED IS ALL PURPOSES. THE ROAD RESERVE BOUNDARY MUST BE MAINTAINED BETWEEN THE 10% LINE AND THE ROAD RESERVE BOUNDARY.
- ROAD RESERVE SPLAYS MUST PROVIDE FOR ROAD SIGNS, ADDITIONAL LINES AND DRAINAGE AS REQUIRED.

SCALE ON REDUCED DRAWING

100mm OR EQUAL DIVISION

NO. DATE AMENDMENTS

APPROVED BY: _____

for: HEAD OF DEPARTMENT

Date: _____

SCALE: N T S

SHEET 1 OF 1 SHEET

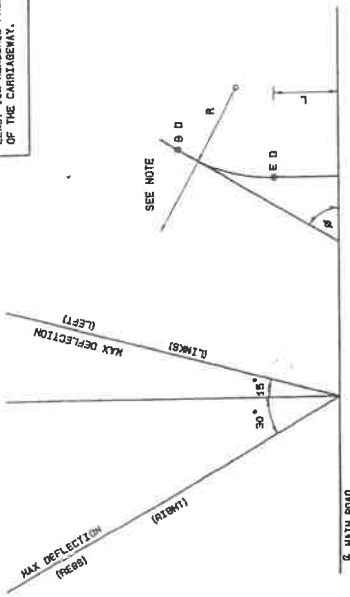
PLAN NO: NWP 5/1



NORTH WEST PROVINCE
DEPARTMENT OF PUBLIC WORKS AND ROADS

TYPICAL DETAILS OF ROAD RESERVE SPLAYS AT INTERSECTIONS

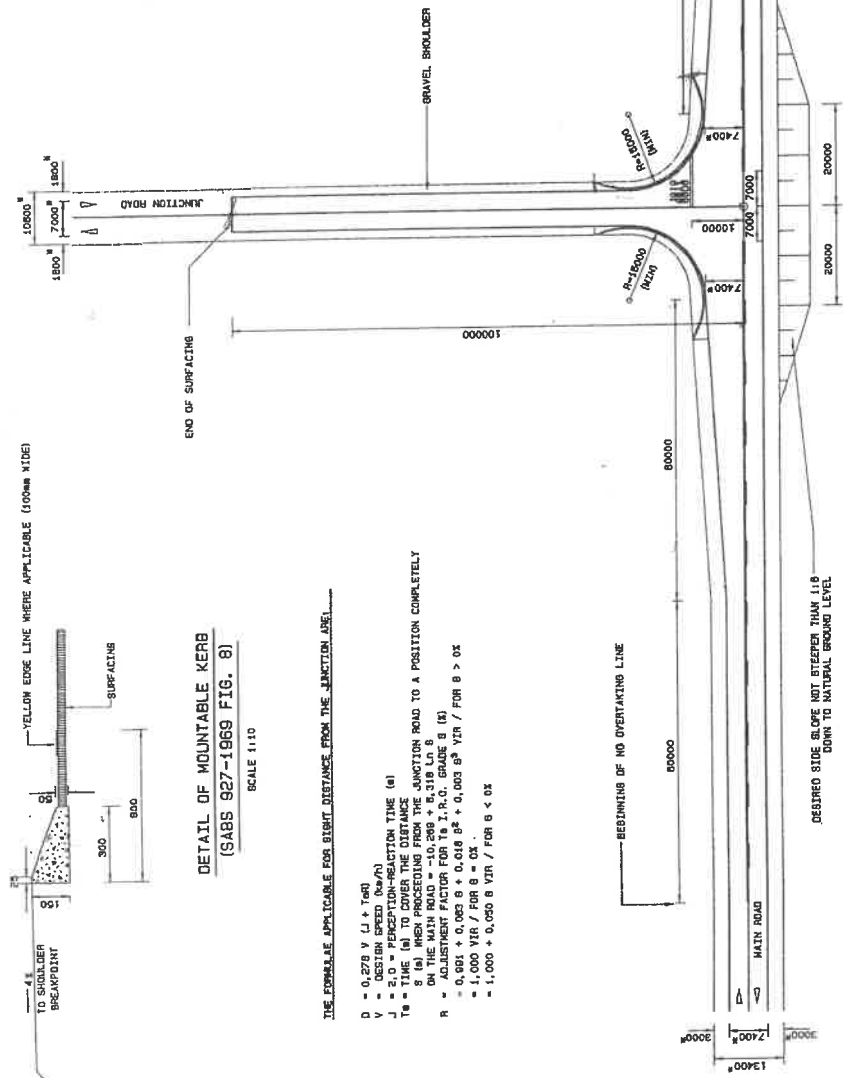
NOTE:
THE CROSSFALL ON THE OUTSIDE OF THE CURVE SHOULD PREFERABLY NOT EXCEED 1:10 FOR AT LEAST 10M MEASURED FROM THE OUTSIDE EDGE OF THE CARRIAGEWAY.



SAFE JUNCTION NORMS

θ - DEFLECTION ANGLE SMALLER THAN SAFE
 L - STOPPING SIGHT DISTANCE FOR DESIGN SPEED OF JUNCTION ROAD
 L - A MINIMUM LENGTH OF 150M IS DESIRABLE.
 R - CORRESPONDING RADIUS FOR A SPEED 15 Km/h LOWER THAN THE DESIGN SPEED FOR THE MEET OF THE JUNCTION ROAD.

SAFE JUNCTION NORMS



NOTES:

1. GRADIENT ON BOTH ROADS SHOULD NOT BE MORE THAN 3%, ESPECIALLY NOT SO ON THE JUNCTION ROAD. SHOULD THE GRADIENTS EXCEED 3% THE REQUIRED SIGHT DISTANCE MUST BE ESTABLISHED FOR A NB DO TYPE TRUCK AS PROPOSED IN "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 1964". USE FORMULAE.
2. THE DESIGN SPEED OF THE JUNCTION ROAD, 5% FROM THE EDGE OF THE NEAREST CENTRE LINE OF THE MAIN ROAD, TO AN OBJECT HEIGHT OF 1.20M ON THE CENTRE LINE OF THE MAIN ROAD.
3. THE DESIRABLE MINIMUM SIGHT DISTANCE IS 500M. ANY DEFLECTION MUST BE SUBSTITUTED WITH FULL SUPPORTING MOTIVATION, TO THE LIAISON ENGINEER FOR A DECISION.
4. THE FEASIBILITY OF PROVIDING A PASSING LANE AND / OR A DECELERATION LANE ON THE MAIN ROAD MUST BE EVALUATED.
5. THIS PLAN SERVES AS A GUIDELINE ONLY. WELL MOTIVATED DEVIATIONS MAY BE CONSIDERED.

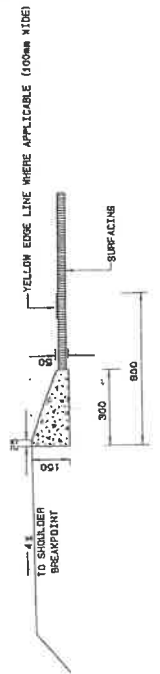
WHERE APPLICABLE, CROSS SECTION DIMENSIONS ARE TO BE TAKEN FROM THE CROSS SECTION SETS ISSUED, INCLUDING THE 7400-DIMENSION AT THE JUNCTION.

ROAD MARKINGS FOR THE DETAIL ON ROAD MARKINGS REFER TO THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL AND THE TYPICAL ROAD TRAFFIC SIGNS DRAWING SERIES.

TABLE No 1

DESIGN SPEED (km/h)	SIGHT DISTANCE (m)
50	180
60	210
70	240
80	270
90	300
100	330
110	360
120	390

VALID FOR FLAT GRADES $\leq 3\%$



DETAIL OF MOUNTABLE KERB
(SABS 927-1989 FIG. 8)

SCALE 1:10

THE FORMULAE APPLICABLE FOR SIGHT DISTANCE FROM THE JUNCTION ARE:

- $D = 0.278 V (L + T_{br})$
- $V =$ DESIGN SPEED (km/h)
- $L =$ STOPPING SIGHT DISTANCE (m)
- $J =$ 2.0M (MIN) OVER THE DISTANCE
- $T_{br} =$ 8 (M) WHEN PROCEEDING FROM A POSITION COMPLETELY ON THE MAIN ROAD = $-10, 200 + 0.318 L_n B$
- $R =$ ADJUSTMENT FACTOR FOR T.S. I.R.O. GRADE B (M)
- = $0.901 + 0.002 B + 0.018 B^2 + 0.003 B^3$ / FOR $B > 0x$
- = 1.000 / FOR $B = 0x$
- = $1.000 + 0.050 B$ / FOR $B < 0x$

SCALE ON REDUCED DRAWING

APPROVED BY: _____

DATE: _____

FOR HEAD OF DEPARTMENT: _____

Date: _____

SCALE: N T S

SHEET 1 OF 1 SHEET

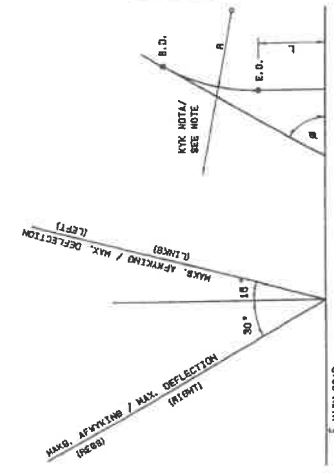
PLAN NO: NMP 3/3

AMENDMENTS

NO.	DATE	AMENDMENTS	N. M. P.

DEPARTMENT OF PUBLIC WORKS AND ROADS

T-JUNCTION OF NUMBERED GRAVEL DISTRICT ROADS WITH TARRED SINGLE CARRIAGEWAY ROADS



θ = DEFLECTION ANGLE SMALLER THAN SAFE.
 L = STOPPING SIGHT DISTANCE FOR DESIGN SPEED OF JUNCTION ROAD.
 A = MINIMUM LENGTH OF 1954 IS DESIRABLE.
 R = CORRESPONDING RADIUS FOR A SPEED 10% LOWER THAN THE DESIGN SPEED FOR THE REST OF THE JUNCTION ROAD.

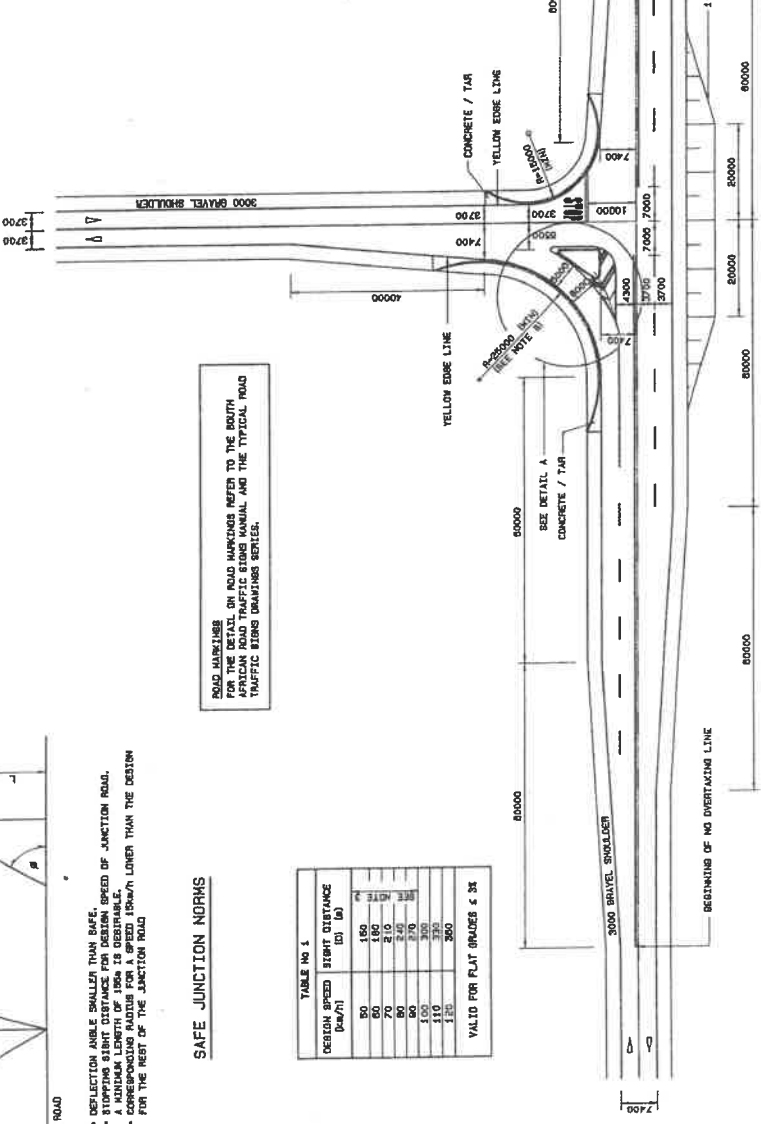
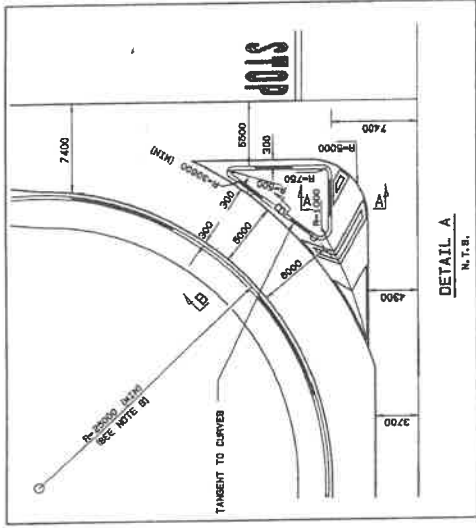
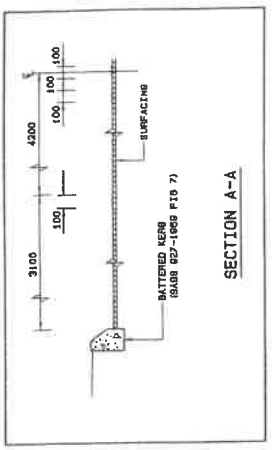
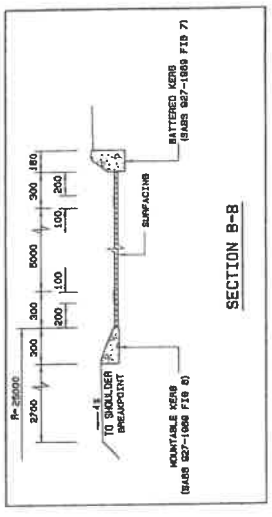
SAFE JUNCTION NORMS

TABLE No 1

DESIGN SPEED (km/h)	SIGHT DISTANCE (m)
50	180
60	180
70	310
80	310
100	310
110	310
120	380

VALID FOR FLAT GRADES & 3%

NOTE: THE CROSSFALL ON THE OUTSIDE OF THE CURVE SHOULD PREFERABLY NOT EXCEED 1:6 FOR AT LEAST 10m MEASURED FROM THE OUTSIDE EDGE OF THE CURBMENT.



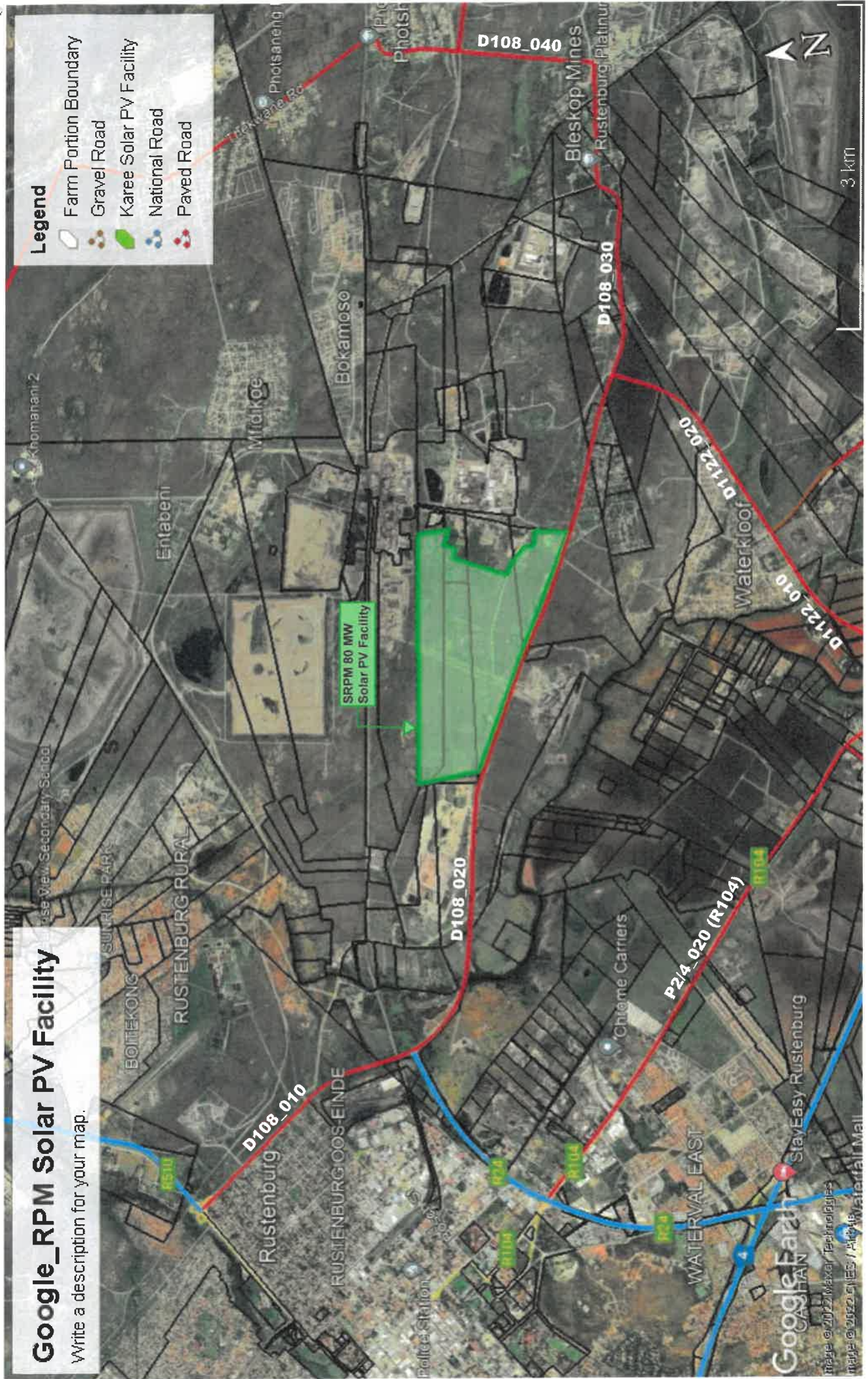
NOTES:
 1. GRADE ON BOTH SIDES SHOULD NOT BE MORE THAN 3%, ESPECIALLY ON THE JUNCTION ROAD.
 2. FOR THE DESIGN OF SIGHT DISTANCES REFER TO PLAN NO WJ 2/2.
 3. THE DESIRABLE MINIMUM SIGHT DISTANCE IS 200m. ANY DEVIATION MUST BE SUBMITTED, WITH FILL, TO THE SUPERVISOR.
 4. THIS PLAN WILL SERVE AS A GUIDELINE ONLY. WELL MOTIVATED DIFFERENCES MAY BE CONSIDERED.
 5. A PAVING LANE, 2.0m IN LENGTH (TAPERS INCLUDED) SHALL BE PROVIDED AS SHOWN ABOVE.
 6. A SEPARATE LEFT-TURN LANE SHALL BE PROVIDED IF MORE THAN 250 V.P.H. ARE TURNING LEFT OUT OF THE JUNCTION.
 7. ALL PAVING FOR KERBS IS MEASURED TO THE FACE OF THE KERB.
 8. DEFLECTION ON THE ANGLE OF INTERSECTION THE RADIUS SHALL BE ADJUSTED TO ENSURE A MINIMUM ISLAND OF 7.5m.

Google_RPM Solar PV Facility

Write a description for your map.

Legend

- Farm Portion Boundary
- Gravel Road
- Karee Solar PV Facility
- National Road
- Paved Road





dedect

Department:
Economic Development, Environment,
Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA



80 Kerk Straat
Rustenburg
0300
Republic of South Africa
www.nwpg.gov.za

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Enquiries: T Nkone
Tel: +27 (14) 597 3597
Fax: +27(14) 592 3553
E-mail: tshegolekgari@nwpg.gov.za

Ref.: NWP/EIA/36/2022

Attention: **Ms. Ansoné Esterhuizen**
Savannah Environmental
P. O. Box 148
SUNNINGHILL
2157

Cell No.: 076 714 1234

Email: Anson@savannahsa.com

Dear Madam,

APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED ESTABLISHMENT OF A 30MW MARIKANA SOLAR PV ON PORTION 9 OF THE FARM MIDDLEKRAAL 466 JQ, MADIBENG LOCAL MUNICIPALITY, NORTH WEST PROVINCE.

The Draft Scoping Report (DSR) submitted for comment, for the above-mentioned application and received by the Department on 11th July 2022 refers.

The Department has reviewed the DSR and recommends the following for inclusion in the Final Scoping Report (FSR) to be submitted for decision as per the 2014 Environmental Impact Assessment Regulations as amended:

- All specialists must complete and sign the Departments Specialist declaration form for each specialist study
- The EAP must sign the EAP affirmation as per Appendix 2 of the 2014 Environmental Impact Assessment Regulations as amended.
- The Magaliesberg Biosphere must be registered as an Interested and Affected Party and be given opportunity to comment on the proposed development.
- The co-ordinates for the powerline must be provided for the start middle and end of the route

Please note to submit the Final Scoping Report in 1 hard copy and 2 soft copies in the form of a USB flash drive.

Yours Faithfully

Ms. Motshabi Mohlalisi

Control Environmental Officer Grade B: Development Impact Management (Bojanala Platinum District)
Department of Economic Development, Environment, Conservation and Tourism

Date: 10/08/2022



Let's Grow North West Together



Nicolene Venter

From: Nicolene Venter
Sent: Wednesday, 29 June 2022 10:58
To: hello@magaliesbergbiosphere.org.za; Nondumiso Bulunga
Cc: Ansoné Esterhuizen
Subject: RE: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation
Attachments: SE3241-Sibanye PVs Scoping phase KSW-FINAL.pdf

Tracking:	Recipient	Delivery
	hello@magaliesbergbiosphere.org.za	
	Nondumiso Bulunga	Delivered: 2022/06/29 10:58
	Ansoné Esterhuizen	Delivered: 2022/06/29 10:58

Dear Belinda,

Please find attached the presentation as presented at yesterday's Key Stakeholder Workshop held for Sibanye Stillwater Solar PVs.

The person responsible for the Buffelspoort Solar public participation is Ms Nondumiso Bulunga, included in this e-mail.

Kind regards,



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

Nicolene Venter
Public Participation and Social
Consultant

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

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

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From: hello@magaliesbergbiosphere.org.za <hello@magaliesbergbiosphere.org.za>
Sent: Wednesday, 29 June 2022 07:21
To: Nicolene Venter <nicolene@savannahsa.com>
Cc: Ansoné Esterhuizen <Anson@savannahsa.com>
Subject: RE: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation

Good Day

Due to loadshedding we were not able to attend the online sessions for both projects (Sibanye and Buffelspoort). Could you please send a summary / presentation / meeting minutes for both applications when they are ready.

Also some confusion as both had meetings yesterday conducted by Savannah – please can I ask you to confirm who I should communicate with for Buffelspoort Solar?

Thank you
Belinda Cooper

From: Nicolene Venter [<mailto:nicolene@savannahsa.com>]
Sent: Tuesday, 28 June 2022 08:43
To: Nicolene Venter
Cc: Ansoné Esterhuizen
Subject: FW: SE3241: Sibanye Stillwater Solar PV Projects - Follow-up on meeting invitation
Importance: High

**DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID
INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTERNBURG AND MARIKANA, NORTH WEST
PROVINCE
(DEDECT Reference Nos.: To be Issued)**

Dear Officials,

Firstly, thank you to those who already accepted the calendar invitation to the Key Stakeholder Workshop.

This e-mail serves to remind and urge those who had not yet indicated their attendance at today's Key Stakeholder Workshop (KSW) taking place via MS Teams at **14h00 today**. The invitation was sent to you via Outlook Calendar on 20 June 2022, together with the attached Q&A Booklet.

The content of the calendar invitation is as below:

The development of renewable energy facilities is proposed by various Special Purpose Vehicles (SPVs). The project entails the development of three (3) separate solar Photovoltaic (PV) facilities with a combined contracted capacity of up to 205MW and will be known as SRPM Solar PV, Karee Solar PV, and Marikana Solar PV respectively, each including a grid connection and other associated infrastructure. The Solar PV facilities are based near current Sibanye Stillwater mining operations ~6km east of the town of Rustenburg, 3km east of the town of Photshaneng and 8km east from the town of Marikana within the Rustenburg and Madibeng Local Municipalities respectively, and within the greater Bonjanala Platinum District Municipality, North West Province (NWP). The projects will all tie-in to the electricity grid behind the Eskom meter at the respective Sibanye customer substations.

Savannah Environmental has been appointed as the independent environmental assessment practitioner to manage the application for Environmental Authorisations (EAs) and undertaking the Environmental Impact Assessment (EIA) processes required to identify and assess potential environmental impacts associated with the project, as well as propose appropriate mitigation and management measures to be contained within the Environmental Management Programme (EMPr).

We would like to take this opportunity to invite you, as commenting Officials, to the Key Stakeholder Workshop (KSW) taking place on Tuesday, 28 June 2022 at 14h00 via MS Teams.

The purpose of the KSW is to present the following to you as Officials:

- brief background to the proposed projects (SPRM Solar PV, Karee Solar PV & Marikana Solar PV);
- an overview of the Scoping Phase and public participation processes followed;
- a summary of the key environmental studies as documented in the Scoping Reports;
- an opportunity for you to seek clarity and raise comments and/or concerns; and
- to record comments raised at the KSW.

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

Please find attached the Questions and Answers Document compiled with questions and/or concerns raised to date.

You are kindly requested to submit any questions that you would want the project team to respond to at the KSW to us prior to the meeting.

As per our notification dated 15 June 2022 in which you were notified of the availability of the Environmental Impact Assessment (EIA) Reports in support of the Applications your review and comment, please take note that the 30- day review and comment period for the EIA Reports commenced on Friday, 17 June 2022 and is ending on Monday, 18 July 2022.

Visit our website on <https://savannahsa.com/public-documents/energy-generation/se3241-sibanye/> to download the EIA Reports - the release code for all the EIA Reports is Mv2kEoES

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

Kind regards,



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

Nicolene Venter

Public Participation and Social
Consultant

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

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

	Questions	Answers
1	Name and surname:	Mokgaetji Prudence Setsiba
	Organisation:	Khunamala trading Nd projects
	Contact number:	0792310746
	Email address:	Shibepruddy@gmail.com
	Please tell us which operation and/or report you are commenting or querying about:	Tenders



E C

{GP, NORTH WEST, F- STATE, MP} **FOOD-WATER-ENERGY AND CLIMATE – NPC** {LIMPOPO; E –CAPE; N-CAPE; W-CAPE; KZN}

FAX: (014) 536 3747; Reg. No: 2022/539644/08; I0015 IKEMELENG SECTION; N-WEST TEL: 082 8474 921/082 5512 047

Office: 70 Dawes- Rustenburg East 0300

Dear Nicolene Venter,

R.e: An official invitation for a discussion and submission therefore to Savannah Environmental's application for Environmental Authorisation and Water use License for your clients- SRPM Solar (PTY) Ltd, K4 Solar (PTY) Ltd, and Marikana Solar (PTY) Ltd on proposed three (3) Solar developments and its associated grid connections infrastructure (ourselves as Interested and Affected Party)' furthermore,

- (i) Many mining communities are still relatively poor after many years of mining activity leading to communal fights and instabilities to other new projects like this one as well.
 - We have designed an amazing multibillion investment prototype geared at addressing this issue which has to take-off and be demonstrated as a solution within a PHd study of one of the FWEC- NPC director; and we see your three clients as an important catalyst partners on it;
- (ii) We also wish to discuss with your clients after our meeting, an initiative – Energy, Waste and Water related, food security, we are having with University of Johannesburg Centre for Ecological Intelligence and Finland based Water-master and SolaRO; in which we can work together.

There are two new mining ventures we will touch with you, which we wish to apply for prospecting rights. We hope you find the above brief in order.

Proposed venue for discussion:

Rustenburg Local Municipality

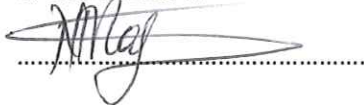
MMC- Special Projects and Intergovernmental Relations

Suite Number: 715 (7th Floor)

Warmest regards,

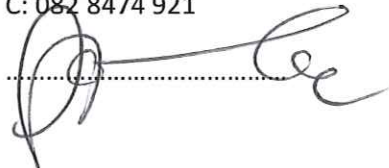
Nosiphelele Mafanya (Ms)

C: 082 5512 047

A handwritten signature in black ink, appearing to read 'NMafanya', written over a horizontal dotted line.

Lucentius Tukula (Mr)

C: 082 8474 921

A handwritten signature in black ink, appearing to read 'Lucentius Tukula', written over a horizontal dotted line.

ENVIRONMENTAL IMPACT ASSESSMENTS AND PUBLIC PARTICIPATION PROCESS

DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID
INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTERNBURG AND MARIKANA, NORTH WEST
PROVINCE

(DFFE Ref. No.: To be issued)

Registration & Comment Form

May 2022

Return completed registration and comment form to: **Nicolene Venter** of Savannah Environmental

Phone: 011 656 3237 / Mobile (incl. 'please call me'): 060 978 8396 / Fax: 086 684 0547

E-mail: publicprocess@savannahsa.com

Postal Address: PO Box 148, Sunninghill, 2157

Your registration as an interested and/or affected party will be applicable for this project only and your contact details provided are protected by the POPI Act of 2013

Please provide your complete contact details:

Name & Surname:	Mulaio Sundani		
Organisation:	Department of forestry, fisheries and Environment		
Designation:	Environmental Impact Management		
Postal Address:	Private Bag 293, 110 Hamilton Street, PRETORIA		
Telephone:	012 309 5865 / ✓	Fax:	076 0216 115 (cell)
Mobile:	076 021 6115		
E-mail:	Msundani@dffe.gov.za		

I would you like to register as an interested and affected party (I&AP) on the following project's database (please tick the relevant box)

SRPM Solar PV Facility	<input checked="" type="checkbox"/>	Karee Solar PV Facility	<input checked="" type="checkbox"/>	Marikana Solar PV Facility	<input checked="" type="checkbox"/>
Electrical Grid Infrastructure	<input checked="" type="checkbox"/>				

In terms of EIA Regulations, 2014, as amended, Regulation 43(1), you are required to register as an I&AP to receive further correspondence regarding the Scoping & EIA process for the projects and to disclose any direct business, financial, personal or other interest which you may have in the approval or refusal of the application (add additional pages if necessary):

Please list your comments regarding your project selection above (add additional pages if necessary): **General Comment**

The mandate of DFFE forestry Branch is mainly ensure that control over development affecting, natural forest protected trees in term of national forest Act of 1998, protected woodland. Should you encounter any protected trees or damaged under NFA, such species cannot be cut, removed without a licence in term of section 15 of NFA

Please provide contact details of any other persons who you regard as a potential interested or affected party:

Name & Surname:	Francis Setshoane and Letuno neuhufumba		
Postal Address:			
Telephone:			
Mobile:	014 5921830 / 014 592		
E-mail:	kseshoane@dffe.gov.za	lneuhufumba@dffe.gov.za	

THANK YOU FOR YOUR REGISTRATION

N/A
13/6/2022

Ria Barkhuizen (NR)

From: Savannah Environmental Public Process <publicprocess@savannahsa.com>
Sent: Monday, May 23, 2022 11:56 AM
To: NR Statutory Control
Subject: SE3241: SIBANYE SOLAR PVs FACILITIES, ASSOCIATED INFRASTRUCTURE, EGI & WULA FOR THE SA PGM PV PROJECTS - Background Information Document & Project Notification

Attachments: SE3241-Sibanye_Solar_PVs_Notification_(BID)-FINAL.pdf; SE3241-Sibanye_Solar_PVs_BID-FINAL.pdf; SE3241-Sibanye_PVs&EGIs_RegComm_Form-FINAL.pdf

008
MAY

**DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTERNBURG AND MARIKANA, NORTH WEST PROVINCE
(DFFE Reference Nos.: To be Issued)**

Dear Stakeholder and Interested & Affected Party,

The development of renewable energy facilities is proposed by various Special Purpose Vehicles (SPVs). The project entails the development of three (3) separate solar Photovoltaic (PV) facilities with a combined contracted capacity of up to 205MW and will be known as SRPM Solar PV, Karee Solar PV, and Marikana Solar PV respectively, each including a grid connection and other associated infrastructure. The Solar PV facilities are based near current Sibanye Stillwater mining operations ~6km east of the town of Rustenburg, 3km east of the town of Photshaneng and 8km east from the town of Marikana within the Rustenburg and Madibeng Local Municipalities respectively, and within the greater Bonjanala Platinum District Municipality, North West Province (NWP). The projects will all tie-in to the electricity grid behind the Eskom meter at the respective Sibanye customer substations.

The three (3) solar photovoltaic (PV) energy facilities are to be known as:

- » SRPM Solar PV
- » Karee Solar PV
- » Marikana Solar PV

Additional technical information regarding these renewable energy facilities and the associated grid connections are available in the Background Information Document attached to this e-mail.

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

Kind regards,

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savannah
environmental

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

Reference: N11/1/R
Date: 14 June 2022
Email: nrstat@nra.co.za

Contact Person: Mr J Oliver
Direct Line: +27 (0) 12 426 6200
Website: www.nra.co.za



Savannah Environmental

By email: publicprocess@savannahsa.com

Dear Sir / Madam

DEVELOPMENT OF THREE SOLAR PV FACILITIES, ASSOCIATED INFRASTRUCTURE AND ELECTRICAL GRID INFRASTRUCTURE FOR THE SA PGM PV PROJECTS LOCATED WITHIN RUSTENBURG AND MARIKANA, NORHT WEST PROVICE

Your application dated 23 May 2022 has reference.

The South African National Roads Agency SOC Limited (SANRAL) has no objection to the application as no national roads or interchanges under the jurisdiction of SANRAL will be affected.

Yours sincerely

A handwritten signature in black ink that reads "Baekhuizen". The signature is written in a cursive style and is positioned above a horizontal line.

STATUTORY CONTROL OFFICER: NORTHERN REGION