




BIO THERM ENERGY

PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 132KV SUBSTATION AND POWER LINE NEAR LICHTENBURG, NO0RTH WEST PROVINCE

Public Participation Report – Basic Assessment (BA)

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List of Abbreviations

BA	Basic Assessment
BAR	Basic Assessment Report
C&RR	Comments & Response Report
DBAR	Draft Basic Assessment Report
DEA	Department of Environmental Affairs
FBAR	Final Basic Assessment Report
I&AP	Interested and or affected party
NEMA	National Environmental Management Act, 1998 (Act No. 107 of 1998)
PPP	Public Participation Process

1 INTRODUCTION

Public participation is the cornerstone of any BA. The principles of the National Environmental Management Act, 1998 (NEMA) (Act No. 107 of 1998) as well as the Environmental Impact Assessment (EIA) Regulations govern the BA process, including public participation. These include provision of sufficient and transparent information on an ongoing basis to stakeholders to allow them to comment, and ensuring the participation of previously disadvantaged people, women and the youth.

The public participation process is primarily based on two factors; firstly, ongoing interaction with the environmental specialists and the technical teams in order to achieve integration of technical assessment and public participation throughout. Secondly, to obtain the bulk of the issues to be addressed early on in the process, with the latter half of the process designed to provide environmental and technical evaluation of these issues. These findings are presented to stakeholders for verification that their issues have been captured and for further comment.

Input into the public participation process by members of the public and stakeholders can be given at various stages of the BA process (please refer to **Figure 1** for the BA process diagram). Registration on the project can take place at any time during the BA process up until the Final Basic Assessment Report (FBAR) is submitted to the Department of Environmental Affairs (DEA).

There are however set periods in which comments are required from interested and or affected parties (I&APs) in order to ensure that these are captured in time for the submission of the various reports. These periods are as follows:

- Comment period based on the Background Information Document (BID): 30 days
- Comment period for the Draft Basic Assessment Report (DBAR): 30 days for the public and for the stakeholders
- Additional comment period for the DBAR: 30 days for the public and for the stakeholders. Where significant changes have been made or new information was not contained in the DBAR that was made available for review during the initial comment period.

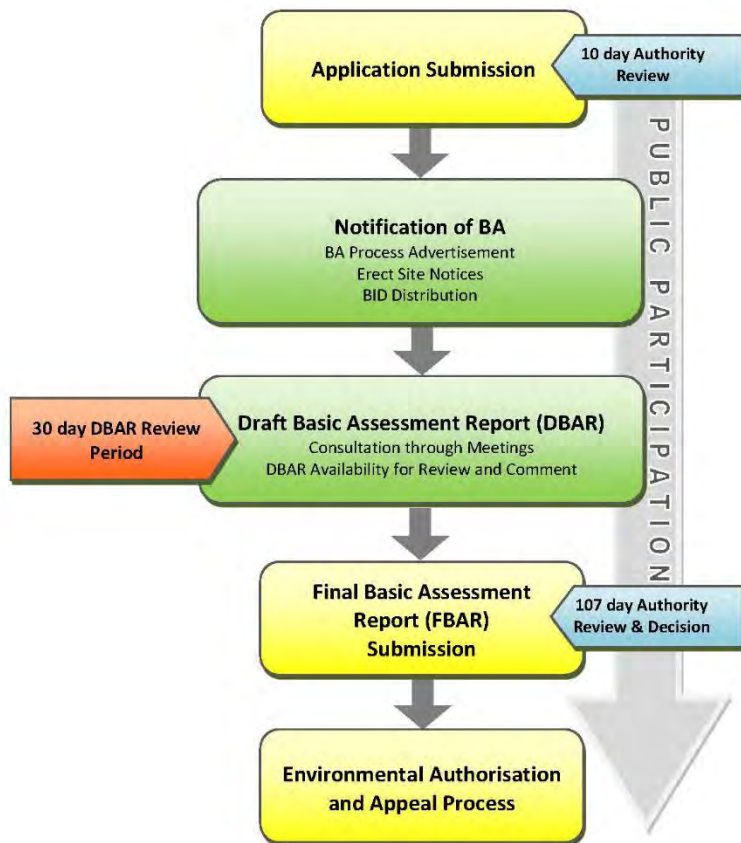


Figure 1: BA Process

The EIA regulations emphasise the importance of public participation. In terms of the EIA regulations, the public –

- may participate in the application process;
- may comment on any written communication submitted to the competent authority by the applicant or environmental consultant;
- must comment within the timeframes;
- must send a copy of any comments to the applicant if the comments were submitted directly to the competent authority; and
- must disclose any interests that the person has in the application being granted or refused.

Further, in terms of the EIA Regulations, the Environmental Assessment Practitioner (EAP) –

- manages the application process;
- must be independent;
- undertakes the work objectively – even if this results in findings that are not favourable to the applicant;
- discloses information that may influence the decision; and
- conducts a public participation process.

The following actions were taken upon receiving comments/queries/issues:

- The contact details provided were entered into the project database for use in future notifications.
- Confirmation receipts were sent to those submitting comments.
- Comments were addressed in the Comments & Response Report (C&RR).

2 OBJECTIVES OF PUBLIC PARTICIPATION

It needs to be noted what Public Participation is and is not.

- Public Participation is:
 - A communication mechanism to inform I&APs regarding a proposed project.
 - A communication mechanism to record comments and/or concerns raised during the relevant phase of the BA by I&APs regarding a proposed project.
- What Public Participation is not:
 - A marketing exercise.
 - A process to address grievances but rather to record comments raised.
 - One-on-one consultation with each I&AP during the BA process.

The primary aims of the Public Participation Process (PPP) are to:

- Inform I&APs and key stakeholders of the proposed development.
- Initiate meaningful and timeous participation with I&APs.
- Identify issues and concerns of key stakeholders and I&APs with regards to the proposed development.
- Promote transparency and an understanding of the proposed project and its potential environmental impacts.
- Provide information used for decision-making.
- Provide a structure for liaison and communication with I&APs and key stakeholders.
- Assist in identifying potential environmental impacts associated with the proposed development.
- Ensure inclusiveness (the views, needs, interests and values of I&APs must be considered in the decision-making process).
- Focus on issues relevant to the project and issues considered important by I&APs and key stakeholders.
- Provide responses to I&AP queries.
- Encourage co-regulation, shared responsibility and a sense of ownership.

In addition to the guidance of the PPP in the EIA Regulations every effort was also made to conform to the requirements of the Promotion of Administrative Justice Act 2000 (Act 3 of 2000). Under the Act SiVEST endeavours to act in the best interests of the public in order to ensure that I&APs have free access to all information pertaining to developments that may have an impact on them.

3 OVERVIEW OF THE PUBLIC PARTICIPATION PROCESS

The public participation process was initiated in early December 2015 with the issuing of the BID and initial landowner consultation. Many site notices (as per regulations) were placed near the study area during a site visit on Tuesday and Wednesday the 1st and 2nd of December 2015. Public and focus group meetings were thereafter held on the 14th of March 2016.

It should however, be noted that the Basic Assessments Public Participation was running concurrently with the Public Participation for the EIA for the Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities. However, due to a change in the layout of the proposed Tlisitseng solar PV energy facilities, SiVEST was not able to submit the Final Environmental Impact Assessment Reports for the PV facilities within the legislated timeframes. On the 20th of June 2016, SiVEST therefore sent the DEA a letter requesting a sixty (60) day extension in terms of Regulation 3 (7) of the EIA Regulations, 2014, in order to provide the specialists with the opportunity to update their specialist reports in-line with the revised layouts. On the 20th of July 2016, the DEA issued a letter refusing the extension request. For this reason the applications for EA for the PV facilities lapsed in accordance with Regulation 45 of the EIA Regulations, 2014 and the departmental file was closed for the project.

In order to reapply for EA for the proposed Tlisitseng solar PV energy facilities and continue with the Basic Assessments for the substations and power lines, BioTherm appointed SiVEST to recommence with the EIA and BA processes. It should however be noted that all comments received by I&APs during the Public Participation Process (PPP) which was undertaken for the original EIA and BA process (including those received during meetings) will form part of this BA process. The public participation process is being-conducted in accordance with the EIA Regulations, 2014.

Therefore, the second round of public participation was reinitiated in September 2016. An updated EIA and BA process advert was publicised on the 30th of September 2016 in the Noordwester newspaper notifying I&APs of the re-initiation of the EIA and BA processes as well as the submission of the second version of the PV Draft Scoping Reports.

The stages that formed part of the public participation process to date are reflected in **Figure 2** below:

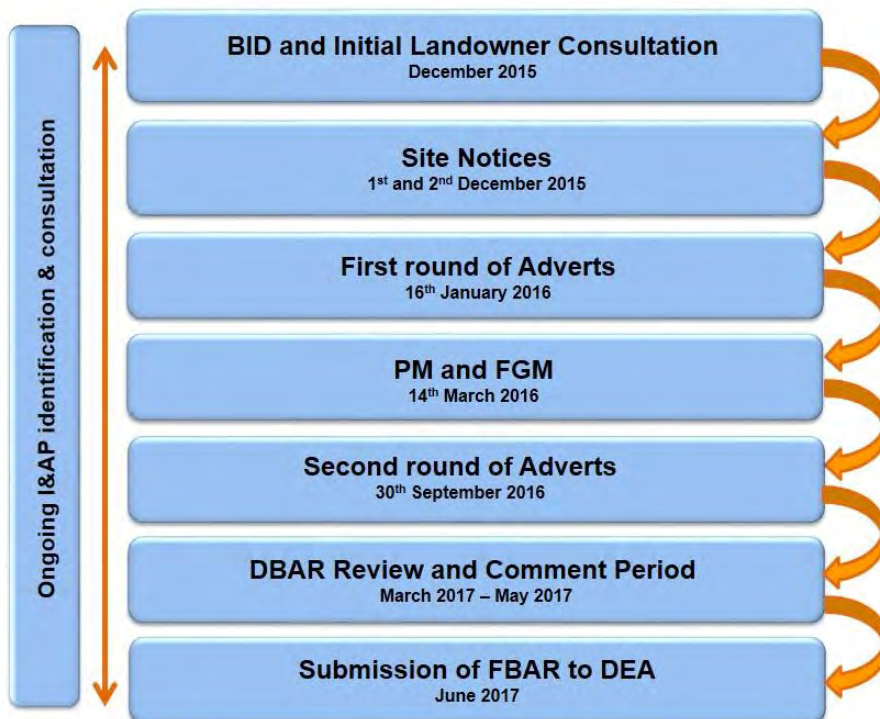


Figure 2: Public Participation Process

Members of the public who wished to be registered on the database as an I&AP were able to do so via telephone, fax, email, or post.

On-going consultation with key stakeholders (e.g. local authorities, relevant government departments, local business etc.) and identified I&APs ensured that I&APs were kept informed regarding the BA process and any key changes regarding the project. Networking with I&APs will effectively continue throughout BA until the FBAR is submitted to the DEA. Where required, stakeholders and I&APs were engaged on an individual basis.

During the environmental studies, consultation was undertaken with individuals, businesses, institutions and organisations, and the following sectors of society have been identified and were afforded the opportunity to comment (the full stakeholder database list is included in Annexure E5 of the FBAR):

- National Authorities;
- Provincial Authorities;
- Ditsobotla LM;
- Ngaka Modiri Molema DM;
- Government Structures such as SAHRA, SANRAL, Telkom, etc.;
- Agriculture Associations;
- Regional and local media (advertisements and public documents e.g. BID);
- Business and commerce;
- Environmental bodies / NGOs;
- Community representatives, CBOs, development bodies;
- SENTECH;
- Landowners; and
- Civil Aviation Authority (CAA).

As mentioned above, it should however be noted that all comments received by I&APs during the Public Participation Process (PPP) which was undertaken for the original EIA and BA process (including those received during meetings) will form part of this BA process. The public participation process is being-conducted in accordance with the EIA Regulations, 2014.

3.1 Consultation and Public Involvement

Telephonic discussions and one-on-one consultation were undertaken where relevant. Meetings with landowners took place after the release of the original PV Final Scoping Report (prior to the release of the PV Draft Environmental Impact Assessment Reports) in order to identify key issues, needs and priorities for input into the proposed projects. Special attention was paid to the consultation with possibly affected landowners and communities within the study area to try and address their main concerns.

Consultation was held with key stakeholders and other relevant I&APs in order to identify key issues, needs and priorities for input into the proposed project. Special attention was paid to the consultation with possibly affected landowners and communities within the study area to try address their main concerns.

Through this process, issues for inclusion within the FBAR were identified and confirmed. Notifications were sent via email, sms, fax and post to inform I&APs of the availability of the DBAR.

3.2 Identifying stakeholders and announcing the opportunity to participate

In order to identify possible I&APs and invite them to participate, use was made of:

- Print media – to advertise the start of the BA process and invite I&APs to register.
 - *The Noordwester* (English and Afrikaans)
- E-mail – identified stakeholders were sent an electronic copy of the BID, a letter of invitation to participate as well as the Registration and Comment Form.
- Site notices – placed at the site boundary (**Proofs included in Appendix E1**)
- BIDs – distributed to key stakeholders and possible I&APs (**Proof included in Appendix E2**)
- Landowner consultation – one on one as well as group meetings took place with surrounding landowners
- Referrals
- Requesting databases and/or contact information from NGOs / CBOs and other organisations

A database of I&APs was compiled and it is included in **Appendix E5**.

3.3 Notification to Interested and Affected Parties

Communication with I&APs was by fax, email and sms in order to obtain the necessary background information to compile this report. The advertising process was followed in terms of Regulation 41(2) of the EIA Regulations published in Government Notice No. R.982 in Government Gazette No. 38282 of 04 December 2014, in terms of Section 24(5) of the NEMA, as amended.

Appendix E includes all proof of notification to Interested and Affected Parties;

- Site notice text (**Appendix E1**)
- Photographs of site notices (**Appendix E1**)
- Proof of advertisements in the newspapers (**Appendix E1**)
- Background Information Document (**Appendix E2**)
- Correspondence to I&APs and key stakeholders (**Appendix E6**)

As stakeholders responded to the advertisements, they were added to the mailing list and sent letters of invitation to participation and the BID.

3.3.1 Site and BA Process Notices

Site notices (size as per regulations) were placed at the boundary the PV development properties. (**Appendix E1**)

3.3.2 Background Information Document

The BID was distributed to I&APs, which contained information regarding the proposed project, as well as the BA and public participation process (**Annexure E2**). The BID was available in both English and Afrikaans.

3.3.3 Advertisements

In accordance with the requirements of the EIA Regulations, the project was announced in a local newspaper (**Annexure E1**). The newspaper in which the BA process advertisements were placed is:

Table 1: Newspaper Advertisements

Newspaper	Language	Publication dates	Distribution area(s)
The Noordwester	English and Afrikaans	16 January 2016	Lichtenburg, Baberspan, Biesiesvlei, Buhrmansdrift, Coligny, Delareyville, Groot-Marico, Gerdau, Itsoseng, Koster, Mafikeng, Ottosdal, Ottoshoop, Sannieshof, Slurry, Vermaas, Zeerust.
		30 September 2016	

3.4 Meetings

3.4.1 Focus Group Meetings

Focus Group Meetings (FGMs) are smaller meetings with specific groups or organisations who have similar interests or concerns about the project. One FGM was held with officials and relevant Ward Councilors and Committee Members and one FGM was held with surrounding and directly affected landowners as detailed in the table below.

Table 2: Focus Group meetings

Venue	Interested Parties	Date	Time
Rafters Bushpub & Sports Bar	Landowners	Monday, 14 March 2016	11h00
Auditorium of the Ditsobotla Local Municipality Library, Civic Centre, Cnr Nelson Mandela and Transvaal Streets, Lichtenburg	Councillors and Officials	Monday, 14 March 2016	14h00

Additionally, BioTherm held a meeting with The Department of Agriculture, Fisheries and Forestry on 11 October 2016.

As previously mentioned, no additional focus group meetings were held for this BA process as the meetings which have already been undertaken for the original EIA and BA processes have been deemed sufficient. All comments and recommendations made by stakeholders and I&APs during the original process have been taken into consideration when preparing this PP Report and DBAR. The minutes of all the meetings which have already taken place will be included in this BA process.

Minutes of these meeting have been compiled and forwarded to all attendees as well as those who submitted apologies, for their review and comment. Meeting Minutes can be found in **Appendix E6**.

3.4.2 Public Meetings

A public meeting took place on 14 March 2016 as detailed below.

Invitation letters were sent via post and e-mail to all registered I&APs on the project's database.

Table 3: Public meeting

Venue	Interested Parties	Date	Time
Lichtenburg Town Hall / Soepe Hall, on Nelson Mandela Drive, Lichtenburg	I&APs	Monday, 14 March 2016	18h00

The public meeting were held in order to provide I&APs with information regarding the proposed development and invite I&APs to raise any comments and/or concerns that they may have.

Except for the representatives from SiVEST, Zitholele and BioTherm Energy, no one attended the public meeting. The meeting feedback document is included in **Appendix E6**.

As previously mentioned, no additional public meetings will be held for this BA process as the meeting which was scheduled to take place for the original EIA and BA processes has been deemed sufficient. All comments and recommendations made by I&APs during the original process have been taken into consideration when preparing this PP Reports and DBAR.

3.5 Comments and Response Report

Issues, comments and concerns raised during the public participation process have been captured in the Comments and Response Report (C&RR) – Appendix E3. The C&RR provides a summary of the issues raised, as well as responses provided to I&APs. This information will be used to feed into the evaluation of social impacts.

3.6 Public Comments on Draft Basic Assessment Report

At the same time that the DBARs were submitted to the DEA they were made available for public review. As per the EIA Regulations, the reports will be out for public review and comment for a 30 day comment period. The comment period was from Monday 27 March 2017 to Tuesday 02 May 2017 (end of business day). Registered I&APs will be sent written notification of the availability of the DBARs through faxes, emails or sms's depending on the mode of correspondence they wished to be notified. The DBARs were available at the following venues

Table 4: Draft Basic Assessment Reports Review Venue

Venue	Street Address	Hours	Contact No.
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays 09h00 – 12h00	018 633 3904

The DBARs will also be available on the SiVEST website (<http://www.sivest.co.za/>) and on CD upon written request.

3.1 Authority review of Draft Basic Assessment Report

Table 5 below includes all the key stakeholders who were e-mailed the DBAR and sent electronic copies (on CD) of the full report including all appendices in March 2017. A series of telephone calls were undertaken in May 2017 to all stakeholders who did not submit comments, in order to determine if comments would be received from their department, and to provide them with ample opportunity to do so.

Table 5: Authorities follow-up consultation

TITLE	SURNAME	NAME	POSITION	RESPONSE / RECEIPT OF COMMENTS
DITSOBOTLA LOCAL MUNICIPALITY				
Mr	Molefe	J	Municipal Manager	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact the municipality but their line is out of service and no one could be reached to make comment. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
Ms	Zandamela	KRJ	Environmental Health Practitioner	
NGAKA MODIRI MOLEMA DISTRICT MUNICIPALITY				
Ms	March	Lehlohonolo	Environmental Manager	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Metswamere but he was in a meeting, he said he will have someone call SiVEST with feedback. No feedback has been received to date. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
Mr	Metswamere	Abe	Environmental Manager	
DEPARTMENT OF ENERGY				
Provincial - NORTH WEST				
Mr	Sethosa	Tebogo		Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Sethosa and Ms Mahlaku but SiVEST was informed they were in a meeting. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
Ms	Mahlaku	Matshediso		
National				

Ms	April	Lerato		Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Pheladi and Ms April to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
Mr	Masipa	Pheladi		
DEPARTMENT OF WATER AND SANITATION				
Mr	Matsheka	SM		Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Matsheka but he informed SiVEST that the report is with Ms Maumela. When we tried contacting Ms` Maumela, she was unavailable. Any comments received after the FBAR has been submitted will be forwarded to the DEA
Mr	Bogopa	L		
Ms	Maumela	Doris		
NORTH WEST DEPARTMENT OF RURAL, ENVIRONMENTAL AND AGRICULTURAL DEVELOPMENT				
Ms	Mafu	Nkosi	Acting Director	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Ms Nkosi to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES				
Mrs	Collett	Anneliza		Comments were received on 10 March 2017.
Ms	Buthelezi	Thoko	Directorate Land Use and Soil Management	
Ms	Marubini	Mashudu	Assistant Director	
DEPARTMENT OF MINERAL RESOURCES (DMR)				

Mr	Swart	Pieter		Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Swart to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
SANRAL				
	Oliver	Jan	Statutory Control Section	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Mr Oliver was contacted and he informed us that he will check his email and send through comments. No comments have been received to date. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
Mr	Dyers	Shaun	Manager: Statutory Control	
Ms	Bota	Victoria		
NORTH WEST DEPARTMENT OF ROADS AND TRANSPORT				
Mr	Thamae	M	Head of Department	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts to contact Mr Thamae were made however SiVEST were informed he was no longer working for the department.
Mr	Mafune			Access to an electronic copy of the report was emailed on 23 May 2017. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
SAHRA: HEAD OFFICE				
Ms	Higgitt	Natasha	Heritage Officer: Archaeology, Palaeontology and Meteorites Unit	Comments were received on 22 May 2017.
	Khumalo	Nokukhanya	Heritage Officer	

ESKOM				
Mr	Geeringh	John	Chief Planner	Comments were received on 22 February 2016.
SA CIVIL AVIATION AUTHORITY (SA CAA)				
Mr	Roberts	Harry		Comments were received on 10 March 2016.
Ms	Stoh	Lizell	Obstacle Specialist	
AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)				
Ms	Morobane	Johanna	Manager: Corporate Sustainability and Environment	Comments were received on 12 February 2016.
Mr	Masilela	Simphiwe	Obstacle Evaluator	
TRANSNET FREIGHT RAIL				
Mr	Fiff	Sam	Environmental Manager: Freight Rail	Access to an electronic copy of the report was emailed on 27 March 2017 posted on 23 March 2017. Attempts were made to contact Mr Fiff to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
SENTECH				
Mr	Koegelenberg	Johan	Renewable Projects	Access to an electronic copy of the report was emailed on 27 March 2017 posted on 23 March 2017. Attempts were made to contact Mr Koegelenberg to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
TELKOM				
Ms	van Zyl-Swart	Annette	Planner	Comments were received on 23 May 2016.

ENDANGERED WILDLIFE TRUST				
Mr	Leeuwner	Lourens	Renewable Energy Project	Comments were received on 16 February 2016.
WESSA				
Mr	Griffiths	Morgan	Environmental Governance Programme Manager	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. When Mr Griffiths was contacted he shared his views on Avifauna research done by Dr Paul Martin who has stated that he is picking up a much higher bat mortality rate of 2.1 per bat than other specialists. This is relevant to the PV facilities only. Any further comments received after the FBAR has been submitted will be forwarded to the DEA.
BIRDLIFE SOUTH AFRICA				
Mr	Gear	Simon	Policy and Advocacy Manager	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Mr Gear to no avail. Any comments received after the FBAR has been submitted will be forwarded to the DEA.
SQUARE KILOMETRE ARRAY				
Dr	Tiplady	Adriaan	Manager: Site Categorisation	Access to an electronic copy of the report was emailed on 27 March 2017 and posted on 23 March 2017. Attempts were made to contact Dr Tiplady and he informed us that the department has no comments.
DEPARTMENT OF ENVIRONMENTAL AFFAIRS BIODIVERSITY				
Mr	Lekota	Seoka		Access to an electronic copy of the report was emailed on 27 March 2017. Mr Seoka and Ms Rabothata were contacted and we were informed that the comments will be sent through to SiVEST in May 2017. No comments have been received to date. Any comments received after the FBAR has

Ms	Rabothata	Mmatlala		been submitted will be forwarded to the DEA.
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3.2 Public Comments on Final Basic Assessment Report

The public will be welcome to comment on the FBARs. The reports will again be available on the SiVEST website. These comments must however be submitted directly to the DEA and a copy of such comments must be copied to SiVEST.

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLI SITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132KV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

Co-ordinates: 26° 8'50.75"S & 26° 9'36.51"E



Figure 1: Ditsobotla Public Library, Nelson Mandela Drive, Lichtenburg



BIDs

Invitation to participate letter & Registration Forms

Figure 2: Assistant Librarian, Ms Virginia Tau

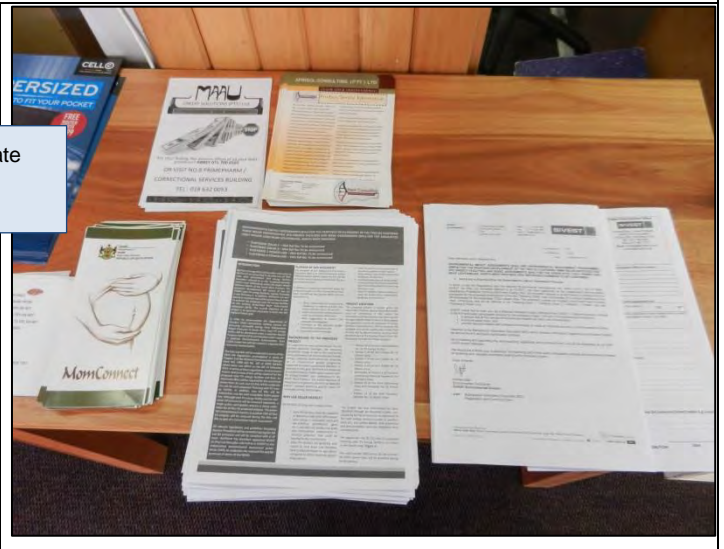


Figure 3: BIDs, Invitation letter to participate & Registration Forms in Library's foyer

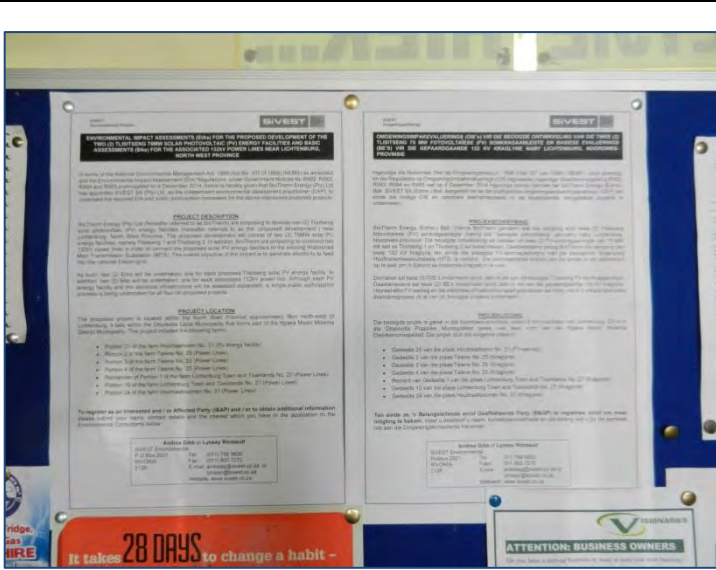


Figure 4: Ditsobotla Public Library Entrance Hall Notice Board

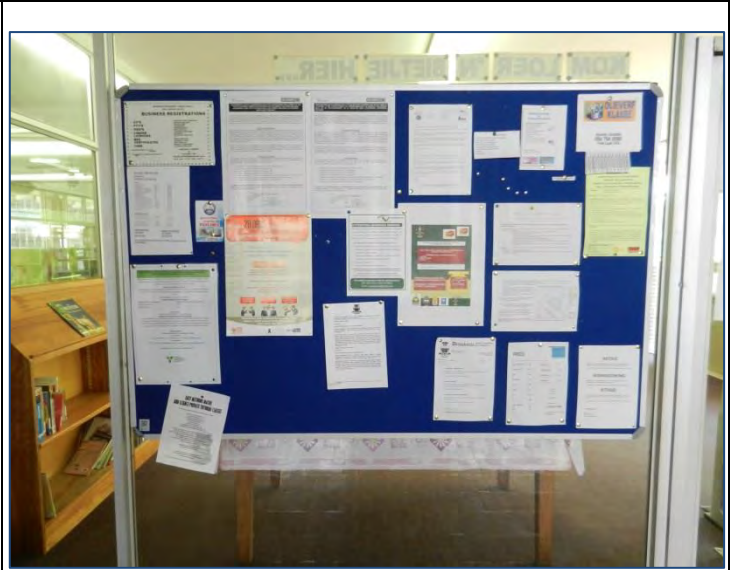


Figure 5: Ditsobotla Public Library Entrance Hall Notice Board



Figure 6: Ditsobotla Public Library Entrance Community Notice Board



Figure 7: Mr Thabelo Dikgang (Student & Blydeville Resident)

Co-ordinates: 26° 8'49.97"S & 26° 9'42.54"E



Figure 8: Ditsobotla Local Municipality (Account Payments)

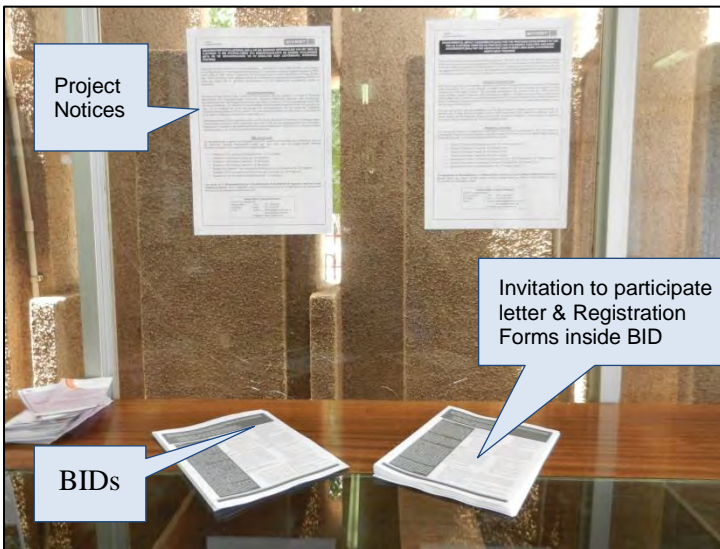


Figure 9: Account Payments Public Desk



Figure 10: Account Payments Public Desk

Andrea Gibb

From: sivest_PPP
Sent: Thursday, September 29, 2016 3:12 PM
Cc: Andrea Gibb
Subject: 13303 Revised Two Proposed Tlisitseng Solar Photovoltaic Energy Facilities
Attachments: 13303_Tlisitseng PV and Grid_ Invite Letter_Rev 1_28Sept2016_AG (Afrikaa....pdf; 13303_Tlisitseng PV and Grid_ Invite Letter_Rev 1_28Sept2016_AG.PDF; 13033 BID TLISITSENG (AFR).pdf; 13033 BID TLISITSENG.PDF; Tlisitseng Solar PV Plant DSR Comment Form rev 1 28Sept2016 AG - Combine....pdf; 13303_Lichtenburg Tlisitseng 1 PV_DSR Executive Summary_Ver 1_23Sep2016pdf; 13303_Lichtenburg Tlisitseng 1 PV_DSR Executive Summary_Ver 1_23Sep2016pdf; 13303_Lichtenburg Tlisitseng 2 PV_DSR Executive Summary_Ver 1_23Sep2016pdf; 13303_Lichtenburg Tlisitseng 2 PV_DSR Executive Summary_Ver 1_23Sep2016pdf

***** Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*****

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED CONSTRUCTION OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE (DEA REFERENCE NUMBERS TO BE CONFIRMED)

We would like to take this opportunity to inform you that in terms of the EIA Regulations, 2014 and the National Environmental Management Act, 1998 (Act No. 107 of 1998), SiVEST has been appointed as the independent Environmental Assessment Practitioner (EAP) by BioTherm Energy to re-conduct the EIA processes for the proposed development of the two (2) Tlisitseng 75MW solar photovoltaic (PV) energy facilities near Lichtenburg, North West Province. Due to a change in the layouts SiVEST was not able to submit the Final Environmental Impact Assessment Reports (FEIARs) within the legislated timeframes and therefore the applications for environmental authorisation (EA) lapsed in accordance with Regulation 45 of the EIA Regulations, 2014 and the departmental files were closed for the projects.

We would also like to inform you that the Draft Scoping Reports (DSRs) for the two (2) proposed Tlisitseng 75MW solar PV energy facilities will be available for public comment and review as from Thursday 29 September 2016 to Monday 31 October 2016 (end of business day).

Attached for your information is an English and Afrikaans Letter, Background Information Document (BID), Registration and Comment Form, as well as the DSR Executive Summaries for both proposed Tlisitseng 75MW solar PV energy facilities.

We would like to thank you, in advance, for becoming part of the public participation process and are looking forward to receiving your valuable comments relating to the proposed projects.

Yours sincerely

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ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

- TLISITSENG SOLAR 1 – DEA Ref No: To be announced
- TLISITSENG SOLAR 2 – DEA Ref No: To be announced
- TLISITSENG 1 POWER LINE – DEA Ref No: To be announced
- TLISITSENG 2 POWER LINE – DEA Ref No: To be announced

INTRODUCTION

BioTherm Energy (Pty) Ltd (hereafter referred to as BioTherm) are proposing to develop two (2) Tlisitseng solar photovoltaic (PV) energy facilities (hereafter referred to as the “proposed development”) near Lichtenburg within the Ngaka Modiri Molema District of the North West Province. The proposed development will consist of two (2) 75MW solar PV energy facilities, namely Tlisitseng 1 and Tlisitseng 2. In addition, BioTherm are proposing to construct two 132kV power lines in order to connect the proposed solar PV energy facilities to the existing Watershed Main Transmission substation (MTS). The overall objective of the project is to generate electricity to feed into the national Eskom grid.

Each PV energy facility will be developed under a separate Special Purpose Vehicle (SPV) and therefore each requires a separate Environmental Authorisation. Each 132kV power line will also require a separate Environmental Authorisation.

The EIAs and BAs will be conducted in terms of the 2014 EIA Regulations promulgated in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), which came into effect on the 8th of December 2014. In terms of these regulations, Environmental Impact Assessments (EIAs) will be required for the proposed solar PV energy facilities and Basic Assessments (BAs) will be required for the associated power lines. As such, two (2) EIAs will be undertaken, one for each proposed Tlisitseng solar PV energy facility. In addition, two (2) BAs will be undertaken, one for each associated 132kV power line. Although each PV energy facility and the electrical infrastructure will be assessed separately, a single public participation process is being undertaken for all four (4) proposed projects. The potential environmental impacts associated with all four (4) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

All relevant legislations and guidelines (including Equator Principles) will be consulted during the EIA and BA processes and will be complied with at all times. BioTherm has therefore appointed SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) as the independent environmental assessment practitioner (EAP), to undertake the required EIA and BA processes in terms of the NEMA.

PURPOSE OF THIS DOCUMENT

The purpose of this Background Information Document (BID) is to inform Interested and/or Affected Parties (I&APs) about the EIA and BA processes that are being conducted for the proposed development.

In addition to supplying information about the proposed project and the environmental processes, this BID will also provide I&APs with the opportunity to:

- Better understand the proposed development in order to provide comments and raise issues of concern;
- Understand the EIA and BA process in order to participate effectively;
- Make suggestions to enhance the proposed development;
- Comment on the specialist studies that will be conducted; and
- Contribute local knowledge.

BACKGROUND TO THE PROPOSED PROJECT

In support of, the need to find solutions for the current electricity shortages, the increasing demand for energy, as well as the need to find more sustainable and environmentally friendly energy resources, South Africa has embarked on an infrastructure growth programme supported by various government initiatives. In response to this goal; BioTherm are proposing to establish two (2) 75MW export capacity solar PV energy facilities near Lichtenburg in the North West Province. The overall objective of the project is to generate electricity to feed into the national electricity grid by means of renewable energy technologies.

WHY USE SOLAR ENERGY?

The benefits of using solar energy include:

- Solar PV facilities have the capability of delivering large-scale utility power;
- Solar energy is renewable, clean and non-polluting (greenhouse gases etc.), and does not produce by-products (atmospheric contaminants or thermal pollution) that could be harmful to the environment;
- Solar PV facilities are generally well suited to rural areas and therefore

have a reduced impact on agriculture compared to other electricity generating options;

- Solar PV plants can also contribute to economic growth in these regions;
- Solar energy is one of the lowest-cost producers of electricity;
- Localised production of energy reduces transmission line losses associated with transmitting electricity over long distances; and
- Solar PV facilities improve energy security for South Africa, reducing dependency on fossil fuels.

PROJECT LOCATION

The proposed project is located within the North West Province approximately 8km north-west of Lichtenburg. It falls within the Ditsobotla Local Municipality that forms part of the Ngaka Modiri Molema District Municipality. The application site for the proposed PV energy facilities is approximately 1000 ha however the buildable area will be significantly smaller than this and will be determined by sensitive areas identified during the Scoping Phase of the EIA. The project includes the following farms:

- Portion 25 of the farm Houthaalboom No. 31 (PV energy facility)
- Remainder of Portion 1 of the farm Lichtenburg Town and Townlands No. 27 (Power Lines)
- Portion 10 of the farm Lichtenburg Town and Townlands No. 27 (Power Lines)

The project site near Lichtenburg has been identified through pre-feasibility studies conducted by BioTherm based on an estimation of the solar energy resource as well as weather, dust, dirt, and surface albedo. Grid connection and land availability were also important initial considerations.

The application site for the two (2) proposed Tlisitseng solar PV energy facilities are shown on the locality map (**Figure 1**).

The route corridor alternatives for the associated 132kV power lines will be provided during the BA process.

EIA/BA PROCESSES

What is an EIA?

An EIA is a process of collecting, organising, analysing, interpreting and communicating information that is relevant to consider a particular environmental application. EIAs are used by planning authorities/developers to obtain an independent and objective view of the potential environmental (biophysical and social) impacts that could arise during the construction and operation of the proposed development. This information needs to provide the Competent Authority with a sound basis for their decision-making.

What is a BA?

A BA is a similar process to an EIA, but is undertaken where the impacts are less likely to have significant impacts on the receiving environment. Like EIAs, BAs identify potential environmental impacts and provide the Competent Authority with a sound basis for their decision-making.

Legal requirements

According to the NEMA as amended, an EIA process is required for the proposed solar energy facilities as several listed notice 2 activities (GN R. 984) are triggered by each proposed project. A BA process is required for the associated power lines as several listed notice 1 activities (GN R. 983) are triggered by each proposed project.

The EIA and BA processes that will be followed are illustrated in Figure 2 and Figure 3 below.

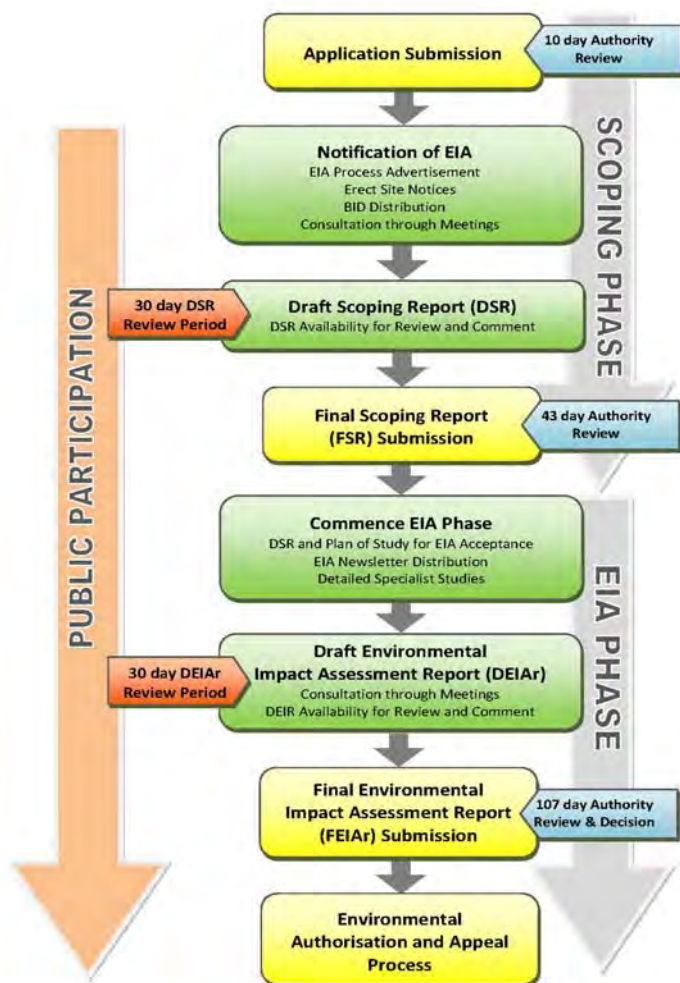


Figure 2: EIA process diagram

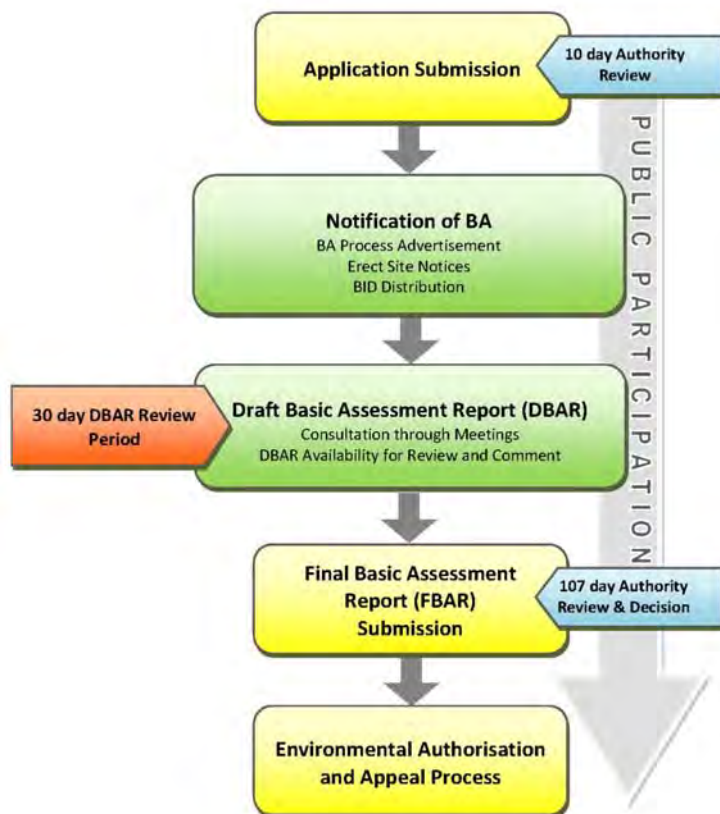


Figure 3: BA process diagram

Competent authority

The Competent Authority for this proposed projects is the DEA. However, the provincial authority will also be consulted (i.e. the North West Department of Rural, Environment and Agricultural Development).

Environmental issues to be investigated during the EIA and BA

Various environmental parameters have been identified that will require investigation for the proposed development. These are listed in Table 1 below.

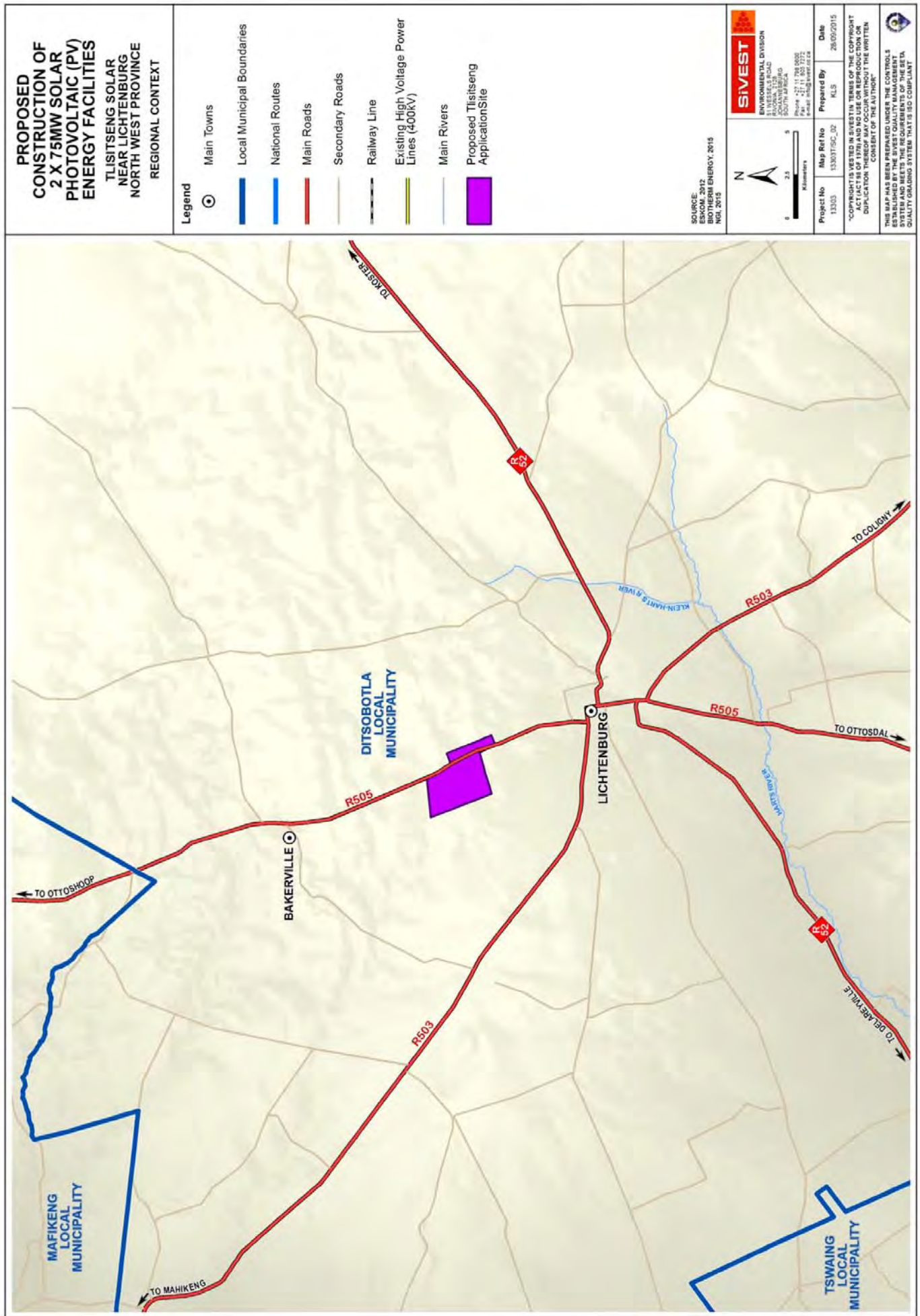
Table 1. List of specialists and specialist studies to be undertaken for the proposed development

SKILL	NAME
Biodiversity	David Hoare Consulting – David Hoare
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Surface Water	SiVEST – Shaun Taylor
Agricultural Potential and Soils	Agricultural Research Council (ARC): Institute for Soil, Climate and Water – Garry Paterson
Heritage and Palaeontology	PGS – Wouter Fourie, Jessica Angel
Visual	SiVEST – Andrea Gibb, Stephan Jacobs
Socio-Economic	Urban Econ – Elena Broughton
Traffic	Aurecon – Hermanus Steyn
Geotechnical	Geopractica – Colin Dalton, Thanduxolo Msen-gana
Public Participation	Zitholele Consulting - Nicolene Venter

THE PUBLIC PARTICIPATION PROCESS

Public participation is the cornerstone of any EIA or BA, as it will be for this proposed projects. The principles of NEMA govern many aspects of an EIA or BA, including public participation. The key objective of public participation during the EIA and BA will be to provide I&APs with sufficient and relevant information and to conduct a transparent consultation process on an on-going basis, in order to ensure effective participation throughout the

Figure 1: Locality Map



EIA and BA processes. As part of this public participation process you will also be provided with the opportunity to comment on the environmental findings as per the EIA and BA reports (Scoping, Impact Assessment and Basic Assessment), which will be made available for public review and comment during the processes.

It is important that relevant I&APs and Stakeholders are identified and involved in the public participation process from the outset of the proposed projects. As a registered I&AP, you will receive personal notifications, via e-mail, post, fax, and/or sms (where applicable), notifying you of all documents available for comment, the comment periods and the upcoming meetings.

Your responsibilities as an I&AP

In terms of the EIA Regulations, your attention is drawn to your responsibilities as an I&AP, which are to:

- Participate in the EIA and BA processes, register yourself on the project database;
- Inform any other parties (neighbours, friends, colleagues, etc.) who may be interested and/or affected by the proposed project about the EIA and BA processes and encourage them to become involved; and
- Ensure that any comments regarding the proposed projects are submitted within the legislated timeframes which will be communicated to you.

Our responsibilities as the independent EAP

In terms of the EIA Regulations, our responsibilities in the public consultation process include:

- Ensuring that sufficient information regarding the proposed project is made available to you, either through the BID or providing information as and when requested;
- Ensuring that you have an understanding of the proposed project to be able to comment informatively, and to enable you to submit any concern in an informed manner; and

- Ensuring that the following actions are taken upon receiving any comments/queries/issues:
 - The contact details provided by you will be entered into the project database;
 - You will be sent all further information releases; and
 - If you send us queries or comments, we will respond in writing (either via e-mail or within the comments and response report).

How to become involved

If you wish to register as an I&AP, you can do so by the following methods:

- Respond (by phone, fax, post or e-mail) to our invitation for your participation, which has been advertised in the printed media;
- Post, fax or e-mail the attached Registration and Comment Form to SiVEST;
- Contact us telephonically should you have a query, comment or require further project information; and
- Submit comments on the draft Scoping Report (DSR) and/or the draft Environmental Impact Assessment Report (DEIAR) and/or the draft Basic Assessment Report within the review periods that will be stipulated.

If you consider yourself an I&AP for these proposed projects, we urge you to make use of the opportunities created by the public participation process to become actively involved in the process and provide comment or concerns which affect and/or interest you, or about which you would like more information. Your input into this process forms a key part of the environmental studies and we would like to hear from you to obtain your views on the proposed project.

By completing and submitting the accompanying Registration and Comment Form, you automatically register yourself as an I&AP for this proposed projects, ensuring that your comments and/or concerns raised regarding will be noted and addressed. The environmental consultants will respond to all comments and queries received during the course of the EIA or BA.

Please be informed that all relevant public documents can be downloaded from the SiVEST's website



We look forward to your contributions

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 **Fax: (011) 803 7272**

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LIST OF ACRONYMS

BA	Basic Assessment
BID	Background Information Document
DBAR	Draft Basic Assessment Report
DEA	Department of Environmental Affairs
DEIAR	Draft Environmental Impact Report
DSR	Draft Scoping Report
EAP	Environmental Assessment Practitioner
EMPr	Environmental Management Programme
EIA	Environmental Impact Assessment
FBAR	Final Basic Assessment Report
FEIAR	Final Environmental Impact Report
Ha	Hectares
I&AP	Interested and/or Affected Party
Km	Kilometre
kV	Kilovolt

OMGEWINGSIMPAAKEVALUERINGS (OIE'S) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 75 MW FOTOVOLTAÏESE (FV) SONKRAGANLEGTE EN BASIESE EVALUERINGS (BE'S) VIR DIE GEPAARDGAANDE 132 KV KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE

- TLISITSENG SOLAR 1 – DO Verw. No.: Moet nog aangekondig word
- TLISITSENG SOLAR 2 – DO Verw. No.: Moet nog aangekondig word
- TLISITSENG 1 KRAGLYN – DO Verw. No.: Moet nog aangekondig word
- TLISITSENG 2 KRAGLYN – DO Verw. No.: Moet nog aangekondig word

INLEIDING

BioTherm Energy (Edms.) Bpk. (hierna BioTherm genoem) stel die oprigting voor twee (2) Tlisitseng fotovoltaiëse (FV) sonkragaanlegte (hierna die “beoogde ontwikkeling” genoem) naby Lichtenburg in die Ngaka Modiri Molema Distriksmunisipaliteit van die Noordwes-provinsie. Die beoogde ontwikkeling sal bestaan uit twee (2) FV-sonkragaanlegte van 75 MW elk wat as Tlisitseng 1 en Tlisitseng 2 sal bekendstaan. Daarbenewens beoog BioTherm die oprigting van twee 132 kV kraglyne ten einde die beoogde FV-sonkragaanlegte met die bestaande Watershed Hooftransmissiesubstasie (HTS) te verbind. Die oorkoepelende doelwit van die projek is om elektrisiteit op te wek om in Eskom se nasionale kragnet in te voer.

Elke FV-aanleg sal onder 'n aparte Spesiale-doelmedium (SDM) ontwikkel word, derhalwe vereis elke aanleg 'n aparte Omgewingsmagtiging. Elke 132 kV kraglyn sal ook 'n aparte Omgewingsmagtiging verg.

Die OIE's en BE's sal ingevolge die 2014 OIE-regulasies onderneem word wat kragtens Artikel 5 van die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) afgekondig is, wat op 8 Desember 2014 in werking getree het. Ingevolge hierdie regulasies sal Omgewingsimpakevaluerings (OIE's) vir die beoogde FV-sonkragaanlegte vereis word en Basiese Evaluering (BE's) sal vir die gepaardgaande kraglyne vereis word. Derhalwe sal twee (2) OIE's onderneem word; een vir elk van die beoogde Tlisitseng FV-sonkragaanlegte. Daarbenewens sal twee (2) BE's onderneem word; een vir elk van die gepaardgaande 132 kV kraglyne. Hoewel elke FV-aanleg en die elektriese infrastruktuur apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al vier (4) beoogde projekte onderneem. Die potensiele omgewingsimpakte wat verband hou met al vier (4) projekte sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Alle tersaaklike wetgewing en riglyne (insluitend die Ekwatorbeginsels) sal tydens die OIE- en BE-proses geraadpleeg en ten alle tye aan voldoen word. BioTherm het SiVEST SA (Edms.) Bpk. (hierna SiVEST genoem) derhalwe as die onafhanklike omgewingsevalueringpraktisyn (OEP) aangestel om die nodige OIE- en BE-proses ingevolge die NEMA te onderneem.

DOEL VAN HIERDIE DOKUMENT

Die doel van hierdie Agtergrondinligtingsdokument (AID) is om Belangstellende en/of Geaffekteerde Partye (B&GP's) in te lig oor die OIE- en BE-proses wat vir die beoogde ontwikkeling onderneem word.

Benewens die verskaffing van inligting oor die beoogde projek en die omgewingsprosesse, sal hierdie AID ook aan B&GP's die geleentheid bied om:

- die beoogde ontwikkeling beter te verstaan ten einde kommentaar te lewer en knelpunte te opper;
- die OIE- en BE-proses te verstaan ten einde doeltreffend daaraan te kan deelneem;
- voorstelle te maak om die beoogde ontwikkeling te verbeter;

kommentaar te lewer oor die spesialisstudies wat onderneem gaan word; en

- plaaslike kennis by te dra.

AGTERGROND TOT DIE BEOOGDE PROJEK

Ter ondersteuning van die behoefte om oplossings te vind vir die huidige elektrisiteitstekorte, die groter vraag na elektrisiteit en ook die behoefte om meer volhoubare en omgewingsvriendelike kraghulpbronne te vind, het Suid-Afrika 'n infrastruktuur-groeiprogram aangepak wat deur verskeie staatsinisiatiewe ondersteun word. In antwoord op hierdie doelwit, doen BioTherm aan die hand om twee (2) 75 MW FV-sonkragaanlegte, elk met 'n uitvoervermoë van 75 MW, naby Lichtenburg in die Noordwes-provinsie op te rig. Die oorkoepelende doelwit van die projek is om elektrisiteit op te wek om in die nasionale kragrooster in te voer aan die hand van hernubare kragtegnologieë.

WAAROM SONKRAG GEBRUIK?

Die voordele van die benutting van sonkrag sluit die volgende in:

- FV-sonkragaanlegte het die vermoë om grootskaal kommersiële krag te lewer.
- Sonkrag is hernubbaar, skoon en nie-besoedelend (kweekhuisgasse, ens.) en lewer geen nuwe produkte (atmosferiese besoedelaars of termiese besoedeling) op wat skadelik vir die omgewing kan wees nie.

- FV-sonkragaanlegte is oor die algemeen baie gepas vir plattelandse omgewings en derhalwe het dit 'n kleiner impak op landbou in vergelyking met ander kragopwekkingsopsies.
- FV-sonkragaanlegte kan ook bydra tot ekonomiese groei in hierdie gebiede.
- Sonkrag is een van die goedkoopste maniere om elektrisiteit op te wek.
- Plaaslike kragproduksie verminder verliese deur transmissielyn wat gepaardgaan met die oorbring van elektrisiteit oor lang afstande.
- FV-sonkragaanlegte verbeter Suid-Afrika se kragsekerheid, wat sodoende afhanklikheid van fossielbrandstowwe verminder.

PROJEKLIIGING

Die beoogde projek is geleë in die Noordwes-provinsie, sowat 8 km noordwes van Lichtenburg. Dit is in die Ditsobotla Plaaslike Munisipaliteit geleë, wat deel vorm van die Ngaka Modiri Molema Distriksmunisipaliteit. Die aansoekterrein vir die beoogde FV-kragaanlegte beslaan sowat 1 000 ha, hoewel die beboubare gebied wesenlik kleiner as dit sal wees en deur sensitiwiteit gebiede bepaal sal word wat tydens die Bestekopnamefase en die OIE geïdentifiseer sal word. Die projek sluit die volgende fase in:

- Gedeelte 25 van die plaas Houthaalboom No. 31 (FV-aanleg)
- Restant van Gedeelte 1 van die plaas Lichtenburg Town and Townlands No. 27 (Kraglyne)
- Gedeelte 10 van die plaas Lichtenburg Town and Townlands No. 27 (Kraglyne)

Die projekterrein naby Lichtenburg is geïdentifiseer deur vooraf-bedryfbaarheidstudies wat BioTherm op grond van 'n beraming van die sonkraghulpbron asook die weer, stof, grond en oppervlakkalbedo onderneem het. 'n Roosterkonneksie en die beskikbaarheid van grond was ook aanvanklik belangrike oorwegings.

Die aansoekterrein vir die twee (2) beoogde Tlisitseng FV-sonkragaanlegte word op die liggingkaart aangedui (**Figuur 1**).

Die alternatiewe roetekorridors vir die gepaardgaande 132 kV kraglyne sal tydens die BE-proses voorsien word.

OIE-/BE-PROSES

Wat is 'n OIE?

'n OIE is 'n proses waardeur inligting wat tersaaklik is vir die oorweging van 'n betrokke omgewingsaansoek versamel, georganiseer, ontleed, vertolk en gekommunikeer word. OIE's word deur beplanningsowerhede/ ontwikkelers gebruik om 'n onafhanklike en objektiewe siening van die potensiële omgewingsimpakte (biofisies en maatskaplik) te verkry wat tydens die oprigting en bedryf van die beoogde ontwikkeling kan opduik. Hierdie inligting moet die Bevoegde Owerheid 'n konkrete grondslag vir hul besluitneming bied.

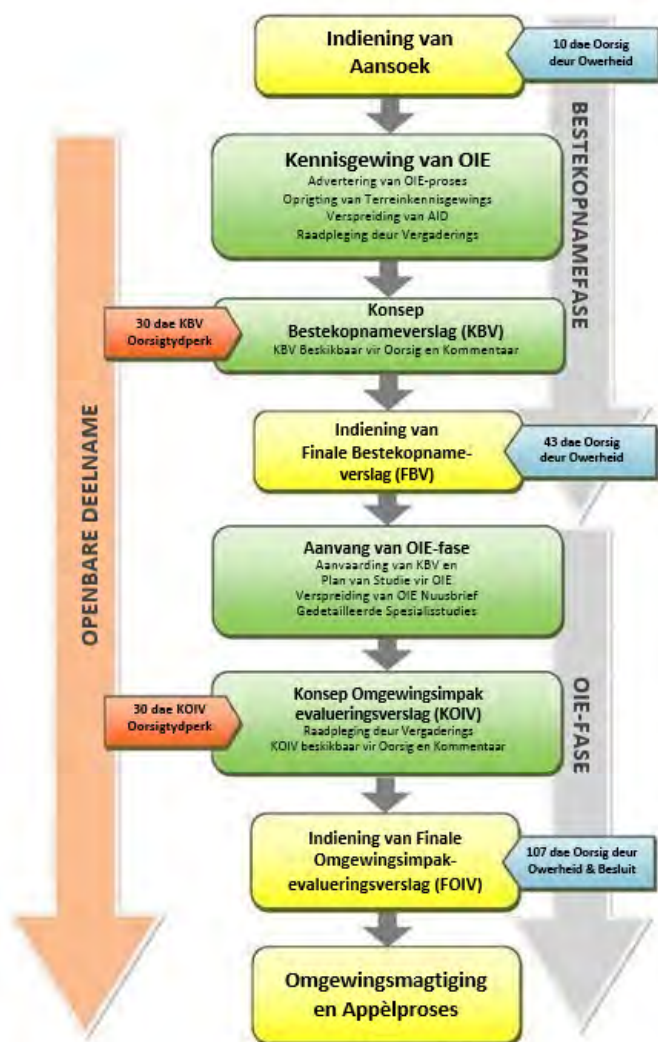
Wat is 'n BE?

'n BE is 'n proses soortgelyk aan 'n OIE, maar word onderneem wanneer die impakte minder waarskynlik 'n wesentliche impak op die ontvangsomgewing sal hê. Net soos OIE's, identifiseer BE's ook potensiële omgewingsimpakte en bied aan die Bevoegde Owerheid 'n konkrete grondslag vir hul besluitneming.

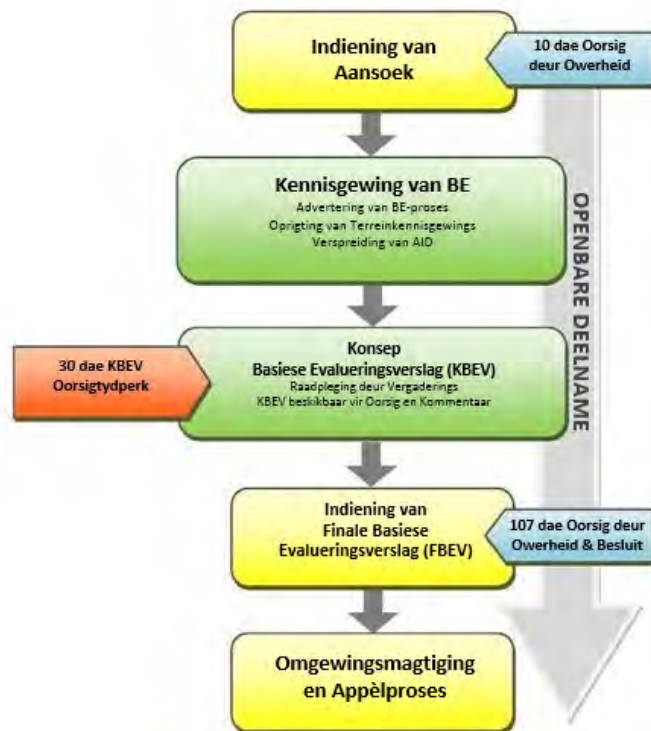
Wetlike vereistes

Kragtens NEMA, soos gewysig, moet 'n OIE-proses vir die beoogde sonkraanlegte onderneem word aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 2-aktiwiteite (Staatskennisgewing R984). 'n BE-proses word vir die gepaardgaande kraglyne vereis aangesien elk van die beoogde projekte aanleiding gee tot verskeie gelyste kennisgewing 1-aktiwiteite (Staatskennisgewing R983).

Die OIE- en BE-proses wat gevolg sal word, word in Figuur 2 en Figuur 3 hieronder uiteengesit.



Figuur 2: Diagram van OIE-proses



Figuur 3: Diagram van BE-proses

Bevoegde Owerheid

Die DO is die Bevoegde Owerheid vir hierdie beoogde projekte. Die provinsiale owerheid (d.i. die Noordwes Departement van Landelike, Omgewings- en Landbou-ontwikkeling) sal egter ook geraadpleeg word.

Omgewingsvraagstukke wat tydens die OIE en BE ondersoek gaan word. Verskeie omgewingsparameters is geïdentifiseer, wat vir die beoogde ontwikkeling ondersoek sal moet word. Dit word in **Tabel 1** hieronder gelys.

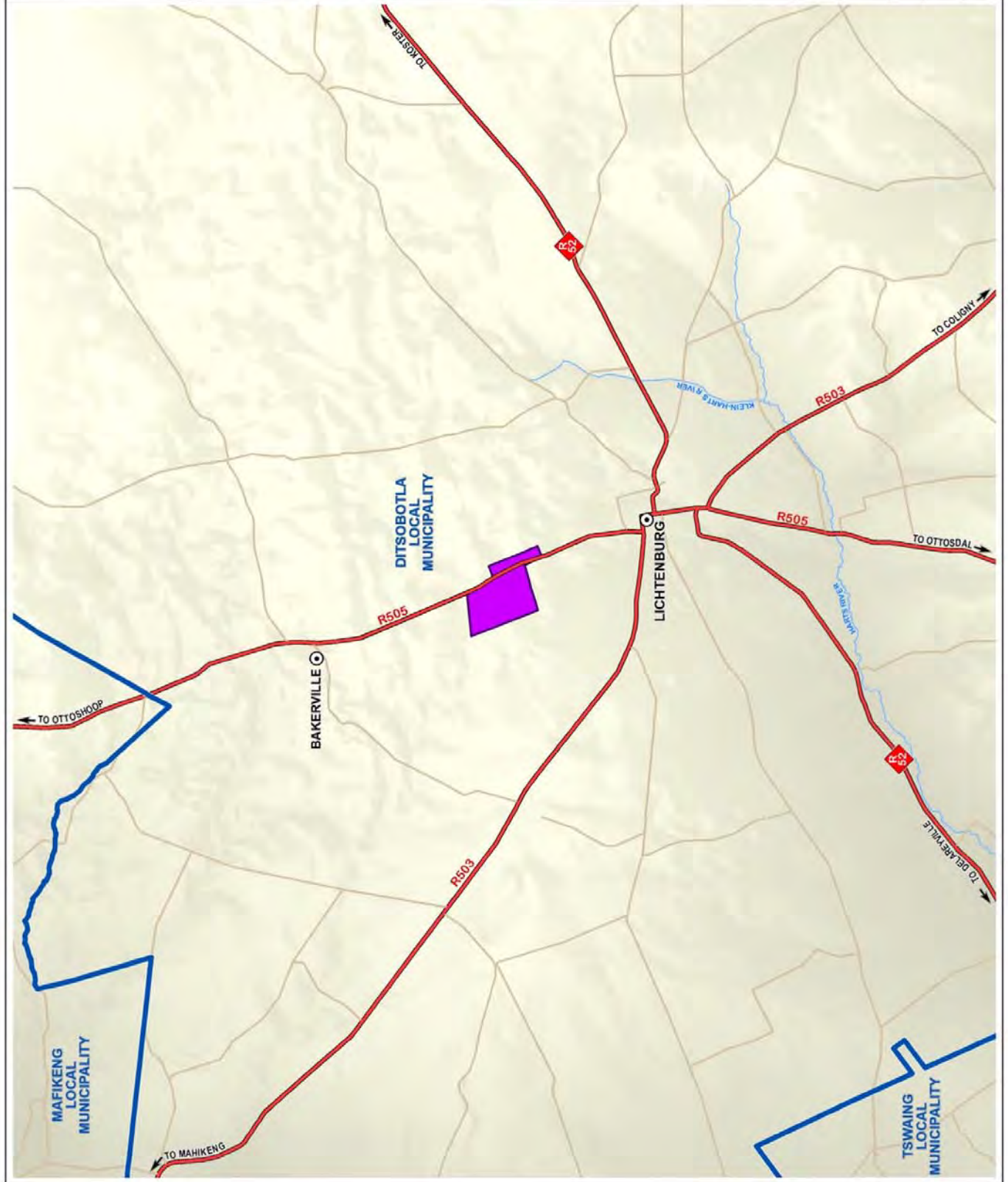
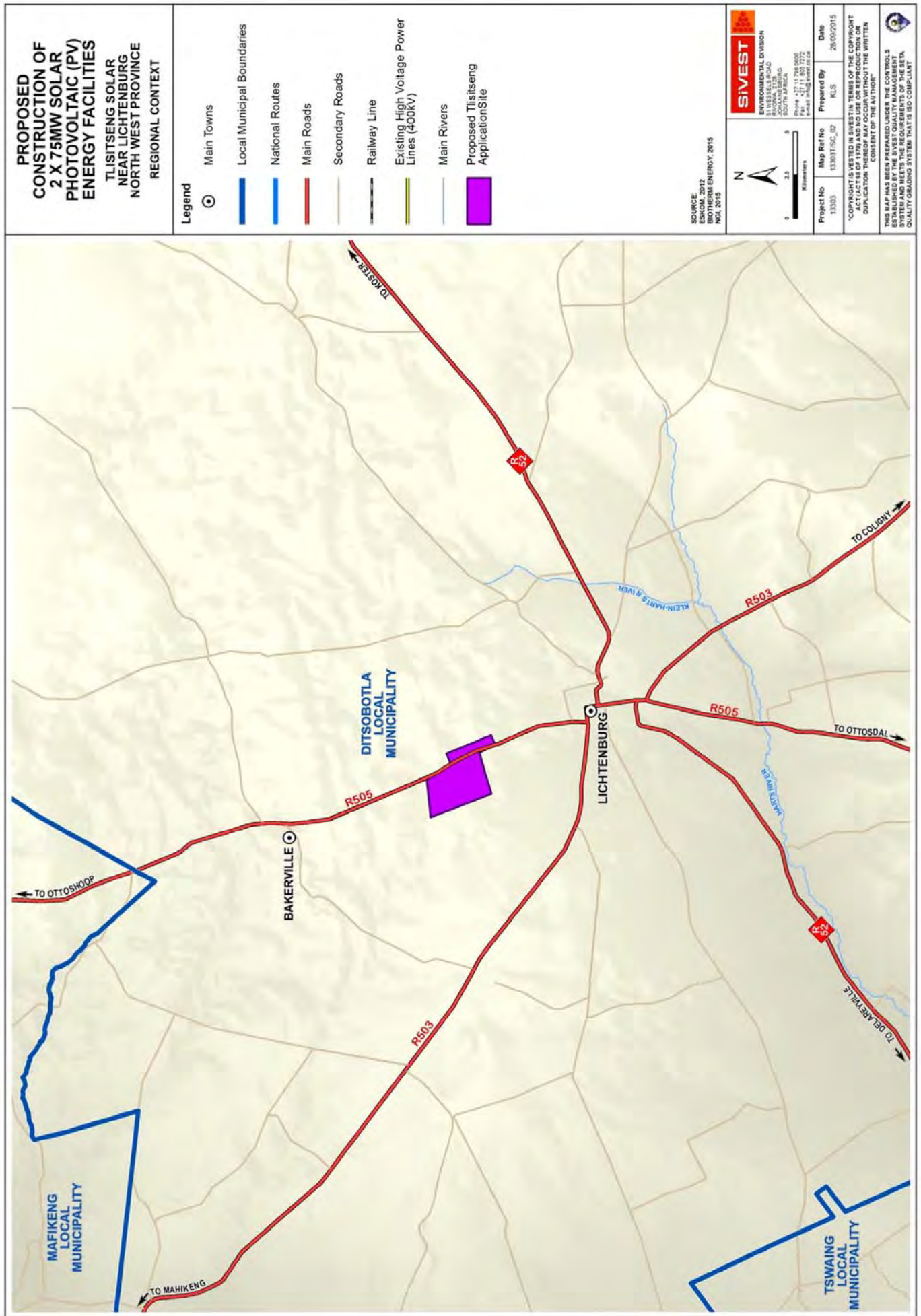
Tabel 1. Lys van spesialiste en spesialisstudies wat vir die beoogde ontwikkeling onderneem word.

VAARDIGHEID	NAAM
Biodiversiteit	David Hoare Consulting – David Hoare
Avifauna	Chris van Rooyen Consulting – Chris van Rooyen
Oppervlakkwater	SiVEST – Shaun Taylor
Landboupotensiaal en Grondsoorte	Landbounavorsingsraad (LNR): Instituut vir Grond, Klimaat en Water – Garry Paterson
Erfenis en Paleontologie	PGS – Wouter Fourie, Jessica Angel
Visueel	SiVEST – Andrea Gibb, Stephan Jacobs
Sosio-ekonomies	Urban Econ – Elena Broughton
Verkeer	Aurecon – Hermanus Steyn
Geotegniese	Geopractica – Colin Dalton, Thanduxolo Msen-gana
Openbare Deelname	Zitholele Consulting – Nicolene Venter

DIE OPENBARE DEELNAMEPROSES

Openbare deelname is die hoeksteen van enige OIE of BE, soos ook die geval is vir hierdie beoogde projekte. Die beginsels van NEMA beheer baie aspekte van 'n OIE of BE, insluitend openbare deelname. Die primêre doelwit van openbare deelname gedurende die OIE en BE sal wees om B&GP's te voorsien van genoegsame en tersaaklike inligting en om 'n volgehoue, deursigtige oorlegplegingsproses te onderneem ten einde doeltreffende deelname regdeur die OIE- en BE-proses te verseker. As deel van hierdie openbare deelnameproses sal u ook die geleentheid gebied word om kommentaar te lewer oor die omgewingsbevindinge van die OIE-verslae (Bestekopname, Impakevaluering en Basiese Evaluering) wat tydens die prosesse vir openbare oorsig en kommentaar beskikbaar gestel sal word.

Figuur 1: Liggingskaart



Dit is belangrik dat tersaaklike B&GP's en Belanghebbendes uit die staanspoor van die beoogde projekte geïdentifiseer en by die openbare deelnameproses betrek word. As 'n geregistreeerde B&GP sal u persoonlike kennisgewings per e-pos, pos, faks en/of sms (waar van toepassing) ontvang, wat u in kennis sal stel van alle dokumente wat beskikbaar is vir kommentaar, wat die kommentaartydperke is en van vergaderings wat binnekort gehou gaan word.

U verantwoordelikhede as 'n B&GP

Kragtens die OIE-regulasies, word u aandag gevestig op u verantwoordelikhede as 'n B&GP, naamlik:

- Deel neem aan die OIE- en BE-proses; registreer self op die projek se databasis.
- Stel alle ander partye (bure, vriende, kollegas, ens.) wat kan belangstel in en/of geaffekteer word deur die beoogde projek in kennis van die OIE- en BE-proses en moedig hulle aan om betrokke te raak.
- Sien toe dat enige kommentaar rakende die beoogde projekte binne die wetlike spertye ingedien word wat aan u gekommunikeer is.

Ons verantwoordelikhede as die Onafhanklike OEP

Ingevolge die OIE-regulasies, sluit ons verantwoordelikhede in die openbare deelnameproses die volgende in:

- Sien toe dat B&GP's genoegsame inligting betreffende die beoogde projek ontvang, hetsy deur die AID of deur inligting te verskaf soos en wanneer dit versoek word.
- Sorg dat B&GP's van 'n voldoende begrip van die beoogde projek verskaf word sodat hulle in staat is om betekenisvolle en ingeligte kommentaar te lewer en knelpunte te opper.
- Sien toe dat die volgende aksies met ontvangs van enige kommentaar/navraag/vraagstuk geneem word:
 - ♦ Die kontakbesonderhede wat u verskaf het sal in die projekdatabasis ingevoer word.
 - ♦ U sal alle toekomstige bekendmakings van inligting ontvang.

- ♦ Indien u navrae of kommentaar aan ons rig, sal ons reageer (hetsy per e-pos of in die kommentaar- en antwoordverslag).

Hoe om betrokke te raak

Indien u as 'n B&GP wil registreer, kan u dit aan die hand van die volgende metodes doen:

- Reageer (per telefoon, faks, pos of e-pos) op ons uitnodiging vir u deelname, wat in die gedrukte media geadverteer is.
- Pos, faks of e-pos die aangehegte Registrasie- en Kommentaarvorm aan SiVEST.
- Tree telefonies met ons in verbinding indien u 'n navraag of kommentaar het of verdere projekinligting verlang.
- Lewer kommentaar op die Konsep Bestekopnameverslag (KBEV) en/of die Konsep Omgewingsimpakevalueringverslag (KOIV) en/of die Konsep Basiese Evalueringverslag binne die oorsigtydperke wat bekendgemaak sal word.

Indien u self as 'n B&GP vir hierdie beoogde projekte ag, moedig ons u aan om gebruik te maak van die geleentheid wat deur die openbare deelnameproses geskep word om aktief by die proses betrokke te raak en kommentaar te lewer of daardie vraagstukke of knelpunte te opper wat u raak en/of waarin u belangstel of waaroor u meer inligting verlang. U insette in hierdie proses vorm 'n belangrike deel van die omgewingstudies en ons hoor graag van u om u siening oor die beoogde projek te bekom.

Deur die meegaande Registrasie en Kommentaarvorm in te vul en in te dien, registreer u self outomaties as 'n B&GP vir hierdie beoogde projekte en verseker u dat kennis geneem word van die kommentaar en/of knelpunte wat u opper. Die omgewingskonsultante sal op alle kommentaar en navrae reageer wat tydens die verloop van die OIE of BE ontvang word.

Let asseblief daarop dat alle tersaaklike publieke dokumente van SiVEST se webwerf afgelaai kan word.



Ons sien uit na u bydraes

Kontak: Andrea Gibb

Posbus 2921, RIVONIA, 2128

Tel: 011 798 0600

E-pos: andreaq@sivest.co.za

Faks: 011 803 7272

Webwerf: www.sivest.co.za

LYS VAN AKRONIEME

AID	Agtergrondinligtingsdokument
B&GP	Belangstellende en/of Geaffekteerde Party
BE	Basiese Evaluering
DO	Departement van Omgewingsake
FBEV	Finale Basiese Evalueringverslag
FOIV	Finale Omgewingsimpakverslag
FV	Fotovoltaïes
Ha	Hektaar
KBEV	Konsep Basiese Evalueringverslag
KBV	Konsep Bestekopnameverslag
Km	kilometer
KOIV	Konsep Omgewingsimpakverslag
kV	Kilovolt
MW	Megawatt
NEMA	Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998)
OBPr	Omgewingsbestuursprogram
OEP	Omgewingsevalueringpraktisyn
OIE	Omgewingsimpakevaluering

Your reference N/A
Our reference 13303 - Tlisitseng
Date 29 September 2016

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED CONSTRUCTION OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE (DEA REFERENCE NUMBERS TO BE CONFIRMED)

- INVITATION TO PARTICIPATE IN THE EIA AND BA PROCESSES
- AVAILABILITY OF DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

In terms of the EIA Regulations, 2014 and the National Environmental Management Act, 1998 (Act No. 107 of 1998), SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) has been appointed as the independent Environmental Assessment Practitioner (EAP) by BioTherm Energy (Pty) Ltd (hereafter referred to as BioTherm) to conduct the EIA processes for the proposed development of the two Tlisitseng 75MW solar photovoltaic (PV) energy facilities and the BA processes for the associated 132kV power lines. The proposed projects are located in the North West Province near Lichtenburg and will be referred to as Tlisitseng 1 Solar, Tlisitseng 2 Solar, Tlisitseng 1 Power Line, and Tlisitseng 2 Power Line.

SiVEST would like to invite you, as a potential Interested and/or Affected Party (I&AP), to become actively involved in the public participation process for this proposed projects. The aim of this process is as follows:

- to ensure that all the relevant environmental impacts are taken into consideration;
- to ensure public input; and
- provide decision-makers with sufficient information to make an informed decision on the proposed activities.

Attached is the Background Information Document (BID) which contains information regarding the proposed project as well as the EIA, BA and public participation process.

The Draft Scoping Reports (DSRs) for the proposed development of the two (2) proposed Tlisitseng 75MW solar PV energy facilities will also be available for public comment and review as from **Thursday 29 September 2016 to Monday 31 October 2016** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays 09h00 – 12h00	018 633 3904

The reports are also available on SiVEST's website: <http://www.sivest.co.za/>, then browse to the folder '13303 Tlisitseng PV Energy Development'.

It is important to note that these DSRs are the second versions which will be submitted to the DEA and made available for public comment. On the 18th of January 2016 applications for environmental authorisation (EA) and the

DSRs for the two (2) proposed Tlisitseng 75MW solar PV energy facilities were received by the DEA and reference numbers were allocated to the proposed development (**DEA reference number: 14/12/16/3/3/2/889 and 14/12/16/3/3/2/890**). These original DSRs were made available for public review from the 11th of January 2016 to the 9th of February 2016. The DSRs were thereafter updated and the Final Scoping Reports (FSRs) were submitted to the DEA on the 19th of February 2016. After evaluating the FSRs the DEA issued letters indicating that the documents complied with the minimum requirements of the EIA Regulations, 2014 and that SiVEST could proceed with the EIA processes. The original FSRs were therefore accepted by the DEA. It should however be noted that due to a change in the layout of the two (2) proposed Tlisitseng 75MW solar PV energy facilities, SiVEST was not able to submit the Final Environmental Impact Assessment Reports (FEIARs) within the legislated timeframes. On the 20th of June 2016, SiVEST sent the DEA a letter requesting a sixty (60) day extension in terms of Regulation 3 (7) of the EIA Regulations, 2014, in order to provide the specialists with the opportunity to update their specialist reports in-line with the revised layouts. On the 20th of July 2016, the DEA issued a letter refusing the extension request. For this reason the applications for EA lapsed in accordance with Regulation 45 of the EIA Regulations, 2014 and the departmental files were closed for the project.

In order to reapply for EA for the two (2) proposed Tlisitseng 75MW solar PV energy facilities, BioTherm has appointed SiVEST to recommence with the EIA and BA processes. It should however be noted that all comments received by Interested and Affected Parties (I&APs) during the Public Participation Process (PPP) which was undertaken for the original EIA processes (including those received during meetings) will form part of this EIA process. The public participation process will be re-conducted in accordance with the EIA Regulations, 2014 and all I&APs, Stakeholders and Organs of State will be afforded an extra opportunity to review the DSRs and to provide comments.

By completing and submitting the accompanying registration and comment form, you will be registered as an I&AP on the project database.

We would like to thank you, in advance, for becoming part of the public participation process and are looking forward to receiving your valuable comments relating to the proposed project.

Yours sincerely

A handwritten signature in black ink, appearing to read "Andrea Gibb".

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

encl: Background Information Document (BID)
Registration and Comment Form
DSR Executive Summaries

U verwysing N.V.T.
Ons verwysing 13303 – Tlisitseng
Datum 29 September 2016

Geagte Belangstellende en/of Geaffekteerde Party

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE OPRIGTING VAN DIE TWEE (2) TLISITSENG 75 MW FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE 132 KV KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE (DO-VERWYSINGSNOMMERS MOET NOG BEVESTIG WORD)

- **UITNODIGING OM AAN DIE OIE- EN BE-PROSES DEEL TE NEEM**
- **BESKIKBAARHEID VAN KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE**

BioTherm Energy (Edms.) Bpk. (hierna BioTherm genoem) het SiVEST SA (Edms.) Bpk. (hierna SiVEST genoem) ingevolge die OIE-regulasies van 2014 en die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) aangestel as die onafhanklike Omgewingsevalueringspraktisyn (OEP) om die OIE-prosesse vir die beoogde ontwikkeling van die twee Tlisitseng 75 MW fotovoltaïese (FV) sonkragaanlegte en die BE-prosesse vir die gepaardgaande 132 kV kraglyne te onderneem. Die beoogde projekte is in die Noordwes-provinsie naby Lichtenburg geleë en sal as die Tlisitseng 1-sonkrag, Tlisitseng 2-sonkrag, Tlisitseng 1-kraglyn en Tlisitseng 2-kraglyn bekend staan.

SiVEST wil u, as 'n potensiële Belangstellende en/of Geaffekteerde Party (B&GP), uitnooi om aktief by die openbare deelnameproses vir hierdie beoogde projekte betrokke te raak. Die doel van hierdie proses is om:

- toe te sien dat oorweging aan al die tersaaklike omgewingsimpakte geskenk word;
- openbare insette te verseker; en
- besluitnemers van genoegsame inligting te voorsien om 'n ingeligte besluit oor die beoogde aktiwiteite te neem.

Aangeheg is die Agtergrondinligtingsdokument (AID) wat inligting rakende die beoogde projek, asook die OIE-, BE- en openbare deelnameproses bevat.

Die Konsep Bestekopnameverslae (KBV's) vir die beoogde ontwikkeling van die twee (2) beoogde Tlisitseng 75 MW FV-sonkragaanlegte sal ook beskikbaar wees vir openbare kommentaar en insae vanaf **Donderdag, 29 September 2016 tot Maandag, 31 Oktober 2016** (teen sluitingstyd). Indien u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke besigtig word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Lichtenburg Openbare Biblioteek	Nelson Mandelarylaan, Lichtenburg	Maandae – Donderdae 09h00 – 17h30 Vrydae 09h00 – 17h00 Saterdag 09h00 – 12h00	018 633 3904

Die verslae is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, soek dan die gids '13303 Tlisitseng PV Energy Development'.

Dit is belangrik om daarop te let dat hierdie KBV's die tweede weergawes is wat by die DO ingedien en vir openbare kommentaar beskikbaar gestel word. Op 18 Januarie 2016 is aansoeke om 'n Omgewingsmagtiging (OM) en die KBV's vir die twee (2) beoogde Tlitsiseng 75 MW FV-sonkragaanlegte deur die DO ontvang en verwysingsnommers is vir die beoogde ontwikkelings toegeken (**DO verwysingsnommer: 14/12/16/3/3/2/889 en 14/12/16/3/3/2/890**). Hierdie oorspronklike KBV's is vanaf 11 Januarie 2016 tot 9 Februarie 2016 beskikbaar gestel vir openbare insae. Daarna is die KBV's bygewerk en die Finale Bestekopnameverslae (FBV's) is op 19 Februarie 2016 by die DO ingedien. Nadat die DO die FBV's geëvalueer het, het hulle skrywes uitgereik wat aandui dat die dokumente voldoen het aan die minimumvereistes van die OIE-regulasies, 2014 en dat SiVEST kon voortgaan met die OIE-prosesse. Die oorspronklike FBV's is derhalwe deur die DO aanvaar. Kennis moet egter geneem word dat SiVEST, weens 'n verandering in die uitleg van die twee (2) beoogde Tlitsiseng 75 MW FV-sonkragaanlegte, nie in staat was om die Finale Omgewingsimpakevalueeringsverslae (FOIEV's) in die voorgeskrewe tydsraamwerke in te dien nie. Op 20 Junie 2016 het SiVEST 'n skrywe aan die DO gerig om 'n verlenging van sestig (60) dae ingevolge Regulasie 3(7) van die OIE-regulasies, 2014, te versoek ten einde die spesialiste die geleentheid te bied om hul spesialisverslae in lyn met die hersiene uitlegte by te werk. Op 20 Julie 2016 het die DO 'n skrywe uitgereik waarin die versoek om verlenging geweier is. Dit is die rede waarom die aansoeke om OM ingevolge Regulasie 45 van die OIE-regulasies, 2014, verstryk het en die departementele lêers vir die projek gesluit is.

Ten einde heraansoek te doen om die OM vir die twee (2) beoogde Tlitsiseng 75 MW FV-sonkragaanlegte, het BioTherm SiVEST aangestel om die OIE- en BE-prosesse te hervat. Kennis moet egter geneem word dat alle kommentaar wat tydens die Openbare Deelnameproses (ODP) van Belangstellende en Geaffekteerde Partye (B&GP's) ontvang is (insluitend kommentaar wat tydens vergaderings ontvang is) toe die oorspronklike OIE-prosesse onderneem is, deel van hierdie OIE-proses sal vorm. Die openbare deelnameproses sal weer ingevolge die OIE-regulasies, 2014, onderneem word en alle B&GP's, Belanghebbers en Staatsinstansies sal 'n bykomende geleentheid gegun word om die KBV's na te gaan en kommentaar te lewer.

Deur die meegaande registrasie- en kommentaarvorm in te vul en in te dien, sal u as 'n B&GP op die projek se databasis geregistreer word.

Ons bedank u by voorbaat dat u deel word van die openbare deelnameproses en ons sien uit daarna om u waardevolle insette betreffende die beoogde projek te ontvang.

Die uwe



Andrea Gibb
Omgewingspraktisyn
SiVEST Omgewingsafdeling

Ingeslote dokumentasie: Agtergrondinligtingsdokument (AID)
Registrasie- en Kommentaarvorm
KBV Beknopte Oorsigte

Your reference

Our reference 13303 - Grid

Date 27 March 2017

Dear Interested and/or Affected Party

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

- AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW**

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA), the Draft Basic Assessment Reports (DBARs) will be available for public review and comment as from **Monday 27 March 2017 to Tuesday 02 May 2017**. Hard copies of the DBARs are available at the following venue:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays 09h00 – 12h00	018 633 3904

The reports are also available on SiVEST's website: <http://www.sivest.co.za/>, click on Downloads, then browse to the folder '13303 Tlisitseng Substations and Power Lines' or electronic copies can also be requested from the Environmental Assessment Practitioners below. Should you wish to comment on the report, please submit these directly to SiVEST. All contact details are provided below.

SiVEST Environmental

Andrea Gibb / Veronique Evans
PO BOX 2921
Rivonia
2128
Tel: 011 798 0600
Fax: 011 803 7272
Email: andrea@sivest.co.za / veronique@sivest.co.za

Your input into this process is highly valued as it will help identify, and if required, address, any environmental impacts that may be associated with this proposed project.

Should I&APs and stakeholders wish to submit comments on the DBARs, SiVEST urges that these written submissions reach us on or before **Tuesday 02 May 2017**.

We would like to thank you in anticipation of your active and meaningful contribution to the EIA's and Public Participation process.

Kind Regards



Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Documents attached: DBAR Comment Form

U verwysing

Ons verwysing 13303 – Grid

Datum 27 Maart 2017

Geagte Belangstellende en/of Geaffekteerde Party

BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 132 KV SUBSTASIES EN KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE▪ **BESKIKBAARHEID VAN DIE KONSEP BASIESE EVALUERINGSVERSLAE VIR OPENBARE INSAE**

Ons lig u graag hiermee in dat die Konsep Basiese Evalueringsverslae (KBEV's), ooreenkomstig die Nasionale Wet op Omgewingsbestuur (NEMA), vanaf **Maandag 27 Maart 2017** tot **Dinsdag 02 Mei 2017** beskikbaar sal wees vir openbare insae en kommentaar. Gedrukte kopieë van die KBEV's is beskikbaar by die plek wat hieronder genoem word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Lichtenburg Openbare Biblioteek	Nelson Mandelarylaan, Lichtenburg	Maandae – Donderdae 09h00 – 17h30 Vrydae 09h00 – 17h00 Saterdag 09h00 – 12h00	018 633 3904

Die verslae is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za>. Klik op 'Downloads' en soek dan vir die gids '13303 Tlisitseng Substations and Power Lines' of elektroniese kopieë kan ook by die Omgewingsevalueringpraktisyns hieronder versoek word. Indien u kommentaar oor die verslag wil lewer, moet u dit asseblief direk by SiVEST indien. Alle kontakbesonderhede word hieronder verskaf.

SiVEST Environmental

Andrea Gibb / Veronique Evans
Posbus 2921
Rivonia
2128
Tel: 011 798 0600
Faks: 011 803 7272
E-pos: andrea@sivest.co.za / veronique@sivest.co.za

U insette in hierdie proses word hoog op prys gestel aangesien dit sal help om enige omgewingsimpakte wat met hierdie beoogde projek gepaard kan gaan, te identifiseer en, indien nodig, aan te spreek.

Indien B&GP's en belanghebbers kommentaar oor die KBEV's wil indien, versoek SiVEST dringend dat hierdie skriftelike voorleggings ons voor of op **Dinsdag, 25 April 2017** bereik.

Ons dank u by voorbaat vir u aktiewe en betekenisvolle bydrae tot die OIE's en die Openbare Deelnameproses.

Vriendelike groete



Andrea Gibb
Omgewingspraktisyn
SiVEST Omgewingsafdeling

Aangehegte dokumentasie: KBEV Kommentaarvorm

From: sivest_PPP
Sent: 27 March 2017 11:46 AM
Cc: Andrea Gibb
Subject: Two Proposed Tlisitseng 132kV Substations and Power Lines: DBAR Availability and Comment Period

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*******

Dear Stakeholder

BASIC ASSESSMENTS (BAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) Tlisitseng 132kV substations and power lines near Lichtenburg, North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA), the Draft Basic Assessment Report (DBARs) will be made available for public comment and review as from **Monday 27 March 2017 to Tuesday 02 May 2017** (end of business day).

An electronic copy (on CD) of the DBARs as well as the accompanying appendices has been posted to you. The reports are also available on SiVEST's website: <http://www.sivest.co.za>, click on downloads and then browse to the folder '13303 Tlisitseng Substations and Power Lines. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Tuesday 02 May 2017** (end of business day). SiVEST will forward any comments received after this comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Andrea Gibb
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andreag@sivest.co.za

Please note that the comment period was due to start on Friday 24 March, however the Information Desk at the Department of Environmental Affairs was closed. As such SiVEST have amended the comment period from starting on Friday 24 March 2017 to start today Monday 27 March 2017 to Tuesday 02 May 2017, as mentioned above.

Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272
email andreag@sivest.co.za website www.sivest.co.za



Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

sivest_PPP

From: sivest_PPP
Sent: 27 March 2017 11:36 AM
Cc: Andrea Gibb
Subject: 13303 Two Proposed Tlisitseng Substations and Power Lines: DBAR Comment Period Starting

Importance: High

Tracking:

Recipient

Delivery

Andrea Gibb
Delivered: 2017/03/27 11:36 AM

'Victoria Bota'
'Alfred Mafune'
'J Molefe'
'Shaun Dyers'
'M W Moholatsi'
'Nono Dince'
'KRJ Zandamela'
'Lesego Holele'
'Mashudu Marubini'
'Matshediso Mahlaku'
'Mafu Nkosi'
'Yoliswa Sechoaro'
'M Thamae'
'Neil Faber'
'Chris Nthaudi'
'J Oliver'
'Mpho Phiri'
'Pogiso Maitshotlo'
'Seoka Lekota'
'Lourens Leeuwner'
'Mariette Steynberg'
'Johan Koegelenberg'
'G Pieterse'
'Fasel Wariyawu'
'SM Matsheka'
'J Hechter'
'Tebogo Sethosa'
'JH Nel'
'Lehlohonolo March'
'Adriaan Tiplady'
'Harry Roberts'
'Lizell Stroh'
'Johanna Morobane'
'Simon Gear'

Recipient**Delivery**

'Simphiwe Masilela'
 'Mmatlala Rabothata'
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 'Annette Van Zyl-Swart'
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BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

▪ AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA), the Draft Basic Assessment Reports (DBARs) will be available for public review and comment as from **Monday 27 March 2017** to **Tuesday 2 May 2017**. Hard copies of the DBARs are available at the following venue:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays	018 633 3904

		09h00 – 12h00	
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The reports are also available on SiVEST's website: <http://www.sivest.co.za/>, click on downloads, then browse to the folder '13303 Tlisitseng Substations and Power Lines'.

Attached is an English and Afrikaans letter notifying you of the availability of the reports, including comment forms.

Please note that the comment period was due to start on Friday 24 March, however the Information Desk at the Department of Environmental Affairs was closed. As such SiVEST have amended the comment period from starting on Friday 24 March 2017 to start today Monday 27 March 2017 to Tuesday 02 May 2017, as mentioned above.



Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
 Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272
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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
 Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

From: sivest_PPP
Sent: 24 April 2017 10:53 AM
Cc: Andrea Gibb; Veronique Evans; Hlengiwe Ntuli
Subject: 13303: Tlisitseng DBARs: Reminder Comment Period Ending

Importance: High

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BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

Please note that the final day for comments on the Draft Basic Assessment Reports (DBARs) for the two Tlisitseng PV Projects (Tlisitseng 1 and Tlisitseng 2) **is Tuesday the 02 of May 2017 (COB)**.

This email serves as a reminder to please submit any comments before or by the close of business on the 02 May 2017

Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

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Kind Regards,

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BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

COMMENTS AND RESPONSES REPORT – FBAR

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SUMMARY OF ENVIRONMENTAL ISSUES/CONCERNS AND SUGGESTIONS RAISED BY INTERESTED AND/OR AFFECTED PARTIES (I&APS)

DECEMBER 2015 – JUNE 2017

It should be noted that the Public Participation Process (PPP) for the Basic Assessments has been running concurrently with the PPP for the Environmental Impact Assessments for the Tlisitseng 1 and Tlisitseng 2 PV Energy Facilities. Due to a change in the layout of the proposed Tlisitseng Solar PV Energy Facilities in 2016, SiVEST was not able to submit the FEIARs for the PV facilities within the legislated timeframes. For this reason the original applications for EA for the PV facilities lapsed in accordance with Regulation 45 of the EIA Regulations, 2014 and the departmental file was closed for the project. In order to reapply for EA for the two (2) proposed Tlisitseng solar PV energy facilities, BioTherm has appointed SiVEST to recommence with the EIA process and continue with the BA process for the substations and power lines. All comments received by Interested and Affected Parties (I&APs) during the PPP which was undertaken for the original EIA and BA process (including those received during meetings) will form part of this BA process, and are recorded in this Comments and Responses Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in Appendix E6 of the FBAR. Similar issues raised have been grouped together. Additionally, **all comments raised on the PV energy facilities have also been included in this substation and power line C&RR, as the two projects are intrinsically linked. This is based on the fact that the power lines and substations are required in order to connect the proposed PV energy facilities to the national grid.** The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR.

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ABBREVIATIONS

ATNS	Air Traffic Navigation Services
DAFF	Department of Agriculture Forestry and Fisheries
DBAR	Draft Basic Assessment Report
FBAR	Final Basic Assessment
DEA	Department of Environmental Affairs
DEIAr	Draft Environmental Impact Assessment Report
DSR	Draft Scoping Report
EA	Environmental Authorisation
EIA	Environmental Impact Assessment
EMPr	Environmental Management Programme
EWT	Endangered Wildlife Trust
FEIAr	Final Environmental Impact Assessment Report
FGM	Focus Group Meeting
FSR	Final Scoping Report
NEMA	National Environmental Management Act, 1998 (Act No. 107 of 1998)
PIA	Palaeontological Impact Assessment
PV	Photovoltaic
REIPPPP	Renewable Energy Independent Power Producer Procurement Programme
SACAA	South African Civil Aviation Authority
SAHRA	South African Heritage Resource Agency
SANRAL	South African National Roads Agency SOC Limited

Issue/Comment	Raised By	Response
1. Socio-Economic and Visual Related Comments/Issues		
<p>Mr Samore enquired as to whether the proposed project would create permanent jobs to the surrounding community, expressing his acceptance of the project if this was the case. He also requested that BioTherm Energy avoid causing harm to the local community.</p>	<p>Godfrey Samore North West Provincial Government Email: 2 December 2016</p>	<p>The proposed project would directly create several permanent jobs as well as a large number temporary jobs during construction. It is also expected that the project would indirectly cause the creation of several jobs due to the stimulation of the local economy. As part of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP), project developers are required to provide a socio-economic development plan which aims to improve the socio-economic standing of the local community. This will be done prior to the start of the project to ensure that, as far as possible, the project developer avoids causing harm and benefits the local community. A detailed Socio-economic Impact Assessment, which assesses both the positive and negative impacts of the development, has been made available for public review and comment during the EIA phase of the project.</p> <p><i>Lynsey Rimbault, SiVEST</i></p>
<p>Formally appealed against the building the solar farm close to the Talene small holdings. Noted that his property is 1 Talene, which is adjacent to the project and is thus directly impacted by the building of the proposed solar farm. He purchased the property 12 years ago, as he was interested in living outside of town to get the tranquillity of the outside life and also begin building a business on his property. If the solar project were to continue this would impact on his view of the veld and would negate one of the reasons he initially moved to the farm.</p> <p>Noted that they are also in the process of building an entertainment business on the property. They have already secured business rights for portion of the property where we are developing it. They have, thus far, built the pub and expanded it to the point where it is now a going concern, with a regular customer base. There is also a well-established pool club at the venue, which is one of the biggest clubs in the North West. There is also a kitchen for visitors to eat from, and they have developed a paintball course in the veld close to where the proposed solar farm is to be built.</p>	<p>Mark Hechter Owner of Adjacent Land – Ptn 1 of the Farm Talene No 25 Letter sent via Email: 23 June 2016</p>	<p>The visual impact of the proposed solar PV energy facilities has been assessed in detail as part of the EIA phase visual impact assessment. Following the initial EIA, the layout has been adjusted and the development area has been set back to ensure that no development takes place within 500m from any of the farmhouses located on the adjacent properties.</p> <p>The current and proposed future use of the property is noted and has been taken into consideration in the detailed visual and socio-economic impact assessments in the EIA phase. Although the proposed solar PV energy facilities will change the visual character of the area, there is no evidence to suggest that the proposed project will negatively impact on further expanding the local tourism and entertainment facilities on the farm. PV energy facilities are green technologies and do not create the same negative perceptions as heavy industry factories or coal-fired power stations do. Green energy areas are also seen as an important attraction to visit in tourism regions (Terradis, 2007). In the Annapurna region of Nepal, there was a definite impact on tourism levels at guesthouses where renewable</p>

Issue/Comment	Raised By	Response
<p>Noted that it is their intention to further develop this business to include the following:</p> <ul style="list-style-type: none"> ▪ A boma area for visitors to use and which will also be rented out to prospective customers and smaller business's in the Lichtenburg area. This will be in the veld and will be available as a function venue for private persons as well as businesses. Part of the attraction for this will be the outside veld and the rustic atmosphere created. ▪ Self-catering chalets for persons staying over for a longer or shorter period. Again the main attraction for these will be the outside life and the view of the veld and the sunsets, which are absolutely spectacular in the area. ▪ Viewing area toward the paintball and the veld, by increasing the size of the pub. This will be a great location for sundowners and a relaxing atmosphere. <p>Noted that the above would not be possible if the solar farm is built in the area.</p> <p>A further impact for them would be the additional people which would now be close to their area. They have sheep and cattle, which are part of their son's developing business. With extra personnel adjacent to their property is would increase their security risk and could possibly put their animals and their visitors at risk. The current environment in South Africa makes this a reality, and being able to give people a safe gateway area is absolutely crucial to the business development working.</p> <p>The installation of the solar farm would negatively impact the value of their property, as the main reason for having the property would be in jeopardy, the view, safety and tranquillity of the area.</p> <p>Noted that he is in the process of developing an African Grey farming business. They have built four cages and are currently expanding these</p>		<p>energy farms were used to supply energy (Prinsloo, 2015). The results indicate that the use of renewable energy and locally developed energy-saving technologies helped to increase tourist numbers. In a study done on visitors to test the impact of renewable energy farms on visitors to Cornwall, it was found that they have a positive attitude towards renewable energy (80%) and just 6% perceived it negatively (The South West Research Company Ltd, 2014). Despite various case studies which prove that tourists perceive renewable energy developments positively, the probability that the proposed project may negatively impact on the tourist potential on Portion 1 of Farm Talene 25 and the concerns raised cannot be negated. In order to accommodate the local land owner and residents, various incentives and compromises should be negotiated. One of these incentives could include educational tours to the proposed solar farm, to be packaged and sold by the businesses surrounding the solar farm. The aesthetic value of the solar farms should also be kept as natural as possible.</p> <p>The impact of the proposed solar PV energy facilities on safety and security has been assessed in detail as part of the EIA phase socio-economic impact assessments. Measures will be put in place to ensure that establishments surrounding the solar PV farm are kept safe. It will also be ensured that expectations regarding employment provision are carefully managed by the project proponent to avoid an influx of hopeful job seekers. If the movement of people increases in the proposed study area, the risk of stock theft may increase and personal safety may decrease. In order to limit this impact, project information will be clearly communicated prior to construction to minimise the influx of migrant job seekers. During construction the rules and regulations will be clearly communicated to all workers that adjacent properties must be respected and avoided. In addition, the movement of workers and vehicles on the roads linked to the construction activities will be limited to working hours and workdays.</p> <p>The impact of the proposed solar PV energy facilities on property values has been assessed in detail as part of the EIA phase socio-</p>

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Issue/Comment	Raised By	Response
<p>into eight cages and have ordered their first two pairs of African Greys. The extra activity in the area could negatively impact on this business.</p> <p>The above mentioned aspects are the main reasons for not supporting the Solar Farm initiative in their area. As landowners, they should be given a fair opportunity to develop their own business as well. The solar farm will negatively impact on their ability to develop this business. Noted that they were their first.</p> <p>There are many other areas in which the solar project can be developed. For example, it could be built deeper into the property of the current owner, so that it could not be seen at all by their property owners and would not have a massive effect on security.</p> <p>As landowners they genuinely hope that their concerns will be taken seriously. Noted that they enjoy where they live and want to stay on and develop the properties. Requested that this opportunity not be destroyed.</p>		<p>economic impact assessments. The effects on adjacent property values are difficult to determine. Land value could be reduced based on real or perceived adverse effects of the proposed development such as; noise levels, traffic and aesthetics. However, the proposed solar facility, could become a tourist hotspot and could result in the area attracting more people (locals or tourists passing through the area) interested in green technologies. Furthermore, solar PV sites are frequented by businesses tourists and can attract a greater number of visitors and leisure tourists passing through the area. This can increase the turnover of the local tourist attractions and therefore increase the value of these businesses and subsequently the properties themselves.</p> <p>Measures to reduce the impact of noise and dust have been included within the Environmental Management Programme (EMPr) which will reduce the potential impact on the African Grey breeding programme Andrea Gibb, SiVEST</p>
<p>Noted that the letter he submitted on 23 June 2016 should be referred to as it explains his issues with the project, which relate to the proximity of the activity to his property and the visual issues which could affect his lifestyle and business.</p>	<p>Mark Hechter Owner of Adjacent Land – Ptn 1 of the Farm Talene No 25 Comment Form: 2 November 2016</p>	<p>Mr Hechters comments were received on 23 June 2016, during the initial EIA, have been captured and responded to in this C&RR. Refer to the comment and response above. Andrea Gibb, SiVEST</p>
<p>Translation:</p> <ul style="list-style-type: none"> ▪ The security aspect is a concern. Noted that they have been living on the property since 1980 and moved to this property for the rest and peace of the area, to avoid the noise and traffic of the town and to enjoy the beauty of the nature. ▪ Questioned what impact the erection of temporary living quarters and toilets will this have on the soil and water. ▪ Questioned what would happen should the solar panels break, what will happen to the waste and the potential impact of the liquids on the groundwater i.e. pollution of groundwater. ▪ Noted that the diagrammes that were made available are outdated and not reliable. 	<p>Gys Goedhals Owner of Adjacent Land Letter: 25 June 2016</p>	<p>The impact of the proposed solar PV energy facilities on safety and security has been assessed in detail as part of the EIA phase socio-economic impact assessments. Measures will be put in place to ensure that establishments surrounding the solar PV farm are kept safe. It will also be ensured that expectations regarding employment provision are carefully managed by the project proponent to avoid an influx of hopeful job seekers. If the movement of people increases in the proposed study area, the risk of stock theft may increase and personal safety may decrease. In order to limit this impact, project information will be clearly communicated prior to construction to minimise the influx of migrant job seekers. During construction the rules and regulations will be clearly communicated to all workers that adjacent properties</p>

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Issue/Comment	Raised By	Response
<ul style="list-style-type: none"> ▪ What impact will the radiation have on the health of the residents. 		<p>must be respected and avoided. In addition, the movement of workers and vehicles on the roads linked to the construction activities will be limited to working hours and workdays.</p> <p>The visual impact of the proposed solar PV energy facilities has been assessed in detail as part of the EIA phase visual impact assessment.</p> <p>The traffic impact of the proposed solar PV energy facilities have been assessed and the results are included in the Draft Scoping Report (DSR). A traffic management plan has also been included in the EMPr.</p> <p>The impact of the proposed solar PV energy facilities on surface water has been assessed in detail as part of the detailed EIA phase surface water impact assessment. Mitigation measures have also been included in the EMPr to ensure that onsite toilets do not impact on soil and water. Construction workers will not be housed on the property.</p> <p>Solar panels are manufactured to withstand harsh environments and will not break as a result of hail or high winds. The PV panels will be continuously monitored and maintained and any broken panels will be sent to a recycling facility. Materials that cannot be recycled will be disposed of at a registered disposal facility. The panels do not contain any liquids- hence pollution of groundwater will not occur as a result of the panels breaking.</p> <p>Updated maps indicating the development areas and project layouts are included in the DSR and BID which was made available for public review on 28 September 2016.</p> <p>No radiation is emitted from panels and therefore the proposed solar PV energy facilities will not impact on the health of residents.</p> <p>Andrea Gibb, SIVEST</p>
<p>Translation:</p> <ul style="list-style-type: none"> ▪ Questioned what the profit forecast for the long term would be. 	<p>Mark Hechter Owner of Adjacent Land – Ptn 1 of the Farm Talene No 25</p>	<p>It is anticipated that each proposed solar PV energy facility will have a capital expenditure (CAPEX) of approximately R 1.85 billion and an operating expenditure (OPEX) of approximately 1.75 billion. Once</p>

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Issue/Comment	Raised By	Response
<ul style="list-style-type: none"> ▪ Noted that the value of their land would decrease. Question who would be responsible for valuing and compensating them for the reduction if they were to sell their land. ▪ Questioned how the current farm workers and surrounding community would be affected by the proposed development. ▪ Questioned if the proposed project is to be expanded and how this would affect the surrounding property owners. 	<p>Email: 30 June 2016</p>	<p>operational it is anticipated that each proposed solar PV energy facility will produce an average annual revenue of approximately R 350 million.</p> <p>The impact of the proposed solar PV energy facilities on property values have been assessed in detail as part of the EIA phase socio-economic impact assessments. The effects on adjacent property values are difficult to determine. Land value could be reduced based on real or perceived adverse effects of the proposed development such as; noise levels, traffic, aesthetics and possible water supply shortages. However, the proposed solar facility, could become a tourist hotspot and could result in the area attracting more people interested in green technologies. This can increase the value of surrounding businesses and subsequently the properties themselves.</p> <p>The impact of the proposed solar PV energy facilities on the local community have been assessed in detail as part of the EIA phase socio-economic impact assessments. The project will not negatively affect current farm workers as the cultivation practices taking place on the site will continue. The solar PV energy facilities will not disturb any of the centre pivots located on the development site or in the larger area. In addition, each solar PV energy facility will create approximately 130 jobs during construction and 40-50% of these jobs will be made available to local labour. When compared to the employment created by existing activities on the site, the potential for local job creation as a result of the proposed development is significantly higher. As part of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP), project developers are also required to provide a socio-economic development plan which aims to improve the socio-economic standing of the local community. This will be done prior to the start of the project to ensure that, as far as possible, the project developer avoids causing harm and benefits the local community.</p>

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Issue/Comment	Raised By	Response
		<p>At this stage, the applicant is proposing to develop two solar PV energy facilities on Portion 25 of the farm Houthaalboom No. 31 and there are no plans to expand the proposed project.</p> <p>Andrea Gibb, SiVEST</p>
2. Infrastructure in the Area Related Comments/Issues		
<p>Eskom provided their requirements for work at or near Eskom infrastructure. For full details of the requirements, refer to Appendix 7J. They also requested copies of all documents on CD via registered mail.</p>	<p>John Geeringh Eskom GC: Land Development Email: 11 January 2016</p>	<p>Eskom's requirements have been included in the Environmental Management Programme (EMPr) to ensure that any development at or near Eskom infrastructure will adhere to the prescribed requirements. The CD containing all relevant documents was sent to Eskom via registered mail.</p> <p>Lynsey Rimbault, SiVEST</p>
<p>Air Traffic Navigation Services (ATNS) stated that a PV project at the proposed project site location would not affect any of the Annex 14 surfaces or Flight Procedures, however they requested that they be kept informed if the development changes. ATNS also commented that they will duly conduct the general assessment as required when the project is ready for construction.</p>	<p>Simphiwe Masilela ATNS Email: 12 February 2016</p>	<p>The comments from ATNS are noted, and they will continue to be kept informed as the project progresses. All relevant technical details will be provided to ATNS prior to the start of construction.</p> <p>Lynsey Rimbault, SiVEST</p>
<p>Noted that the SACAA has a process whereby permission is applied for with regard to obstacles which could pose an aviation hazard.</p>	<p>Lizell Stroh SACAA: Obstacle Specialist Email: 10 March 2016</p>	<p>The process is noted and the applicant will make a formal application for obstacle approval prior to construction, once the layout has been finalised.</p> <p>Andrea Gibb, SiVEST</p>
<p>Advised that the proposed services are approved in terms of Section 22 of the Electronic Communications Act 36 of 2005. Details were provided for whom to call before the work commences.</p> <p>It was noted that the positioning of the cables as indicated on the attached plan must be regarded as a guideline only. Telkom does not guarantee that the information provided is complete in every respect, and the fact that the information was requested and provided does not limit the responsibility of anyone who is working in the vicinity of Telkom SA SOC Limited's services, to ensure that no damage is caused to Telkom SA SOC Limited's network. The person or organisation responsible for any damages to cables or telecommunication equipment during their excavations or construction work will be held</p>	<p>Linda Meyfarth Telkom SA SOC Limited: Wayleave Office Letter: 23 May 2016</p>	<p>The approval is noted and the conditions of such have been communicated to the applicant for their consideration. The applicant will ensure that Telkom SA SOC Limited is notified prior to and after completion of the work.</p> <p>Andrea Gibb, SiVEST</p>

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Issue/Comment	Raised By	Response
<p>responsible for the repair costs. Prior to the commencement of any work, Telkom must be contacted to have the position of the cables identified. It was requested that their office be notified after completion of the work.</p>		
<p>Noted that the company has no objection to the proposal. The proposal is approved in terms of Section 22 of the Electronic Communications Act 36 of 2005, subject to the stipulations as indicated within the letter.</p> <p>Telkom SA SOC Limited's plant affected by the proposal were indicated in blue on the map. Due to various reasons, the position of the plant cannot be indicated as exact and must be regarded as a guideline only, to inform the presence of the plant. Noted that the Network Field Officer must be contacted prior to excavation to point out the location of the plant on the site. Any removal or repositioning of existing plant must be done on a repayable basis. The requester will be duly held responsible for all costs incurred, should damages be caused to the Telkom services during construction.</p> <p>Telkom do not guarantee the information provided is complete in every respect, and the fact that the information was requested and provided, does not limit the responsibility of anyone who is working in the vicinity of Telkom SA SOC Limited's services, to ensure that no damage is caused to Telkom SA SOC Limited's network.</p> <p>Note that the approval is valid for six months only. If construction has not commenced within this time the file must be resubmitted for approval. Any changes/deviations from the original planning during or prior to construction must be immediately communicated to this office. Should Telkom SA SOC Limited's infrastructure be damaged while work is undertaken the Toll Free number should be contacted immediately.</p>	<p>B.S. Bezuidenhout Open Serve: Wayleave Section Letter 26 October 2016</p>	<p>The approval is noted and the conditions of such have been communicated to the applicant for their consideration. The applicant will ensure that Telkom SA SOC Limited is notified as required. Andrea Gibb, SIVEST</p>
3. Project Related Comments/Issues		
<p>Mr Masipa acknowledged receipt of the Draft Scoping Report and confirmed that the Department will be inviting Independent Power Producers to submit proposals under the REIPPPP during the second</p>	<p>Pheladi Masipa Department of Energy Email: 15 February 2016</p>	<p>Mr Masipa's comments are noted and the Department of Energy will continue to receive updates and invitations to comment as the project progresses.</p>

Issue/Comment	Raised By	Response
quarter of 2016. Mr Masipa stated that the Department has gone through the report and has no comments, however they would like to be kept informed as the project progresses.		Lynsey Rimbault, SiVEST
Requested whether an amended EA has been approved for the proposed development.	Carmen Barends Leads 2 Business Email: 24 February 2017	Noted that the project is currently still in the Impact Phase and SiVEST have not submitted the DEIAr to the DEA yet. Andrea Gibb, SiVEST (Email 27 February 2017)
4. Associated Infrastructure (Power Line) Related Comments/Issues		
Expressed his dissatisfaction regarding the proposed power line corridor for project 1 crossing through a portion of his property. This corridor will cover approximately one third of his property influencing future plans he may have for that specific section. He therefor does not give consent towards the development of such power lines and servitude road running through his property. He suggested that the power line be established on the same property (Portion 25 of the farm Houthaalboom No. 31) as the solar PV energy facilities are proposed to be established on.	Fazal VarVariawa Owner of Adjacent Land Letter: 22 June 2016	The proposed power lines running from the onsite substations to the Eskom Watershed substation are not part of the EIA processes for the proposed Tlisitseng solar PV energy facilities, and have been applied for as part of separate ongoing Basic Assessment (BA) processes. In addition, the proposed power line corridors have been amended so that they primarily fall within Portion 25 of the farm Houthaalboom No. 31 and no longer traverse the adjacent land located to the south of this farm (i.e. the Talene No 25 farmsteads). Andrea Gibb, SiVEST
Translation: Noted that he objects to the proposed power line development (Project 1) as the corridor traverses a portion of his property. <ul style="list-style-type: none"> ▪ If he reveals the project to a potential buyer of the property, as it is good practice, it will scare him off. The value of the property will be negatively affected by the power line crossing it. The corridor would have a financial impact as the property value would decrease. ▪ It would provide access to unwanted people and workers which would threaten their privacy and safety. ▪ It would affect the current development on their property as a fence could not be erected without gates. ▪ The security aspect is also a concern. They have lived for a long period of time on the property and they moved here to interact and appreciate nature in a quiet environment. 	Andries van Rooyen Owner of Adjacent Land – Ptn 2 of the Farm Talene No 25 Letter: 24 June 2016	The proposed power lines running from the onsite substations to the Eskom Watershed substation are not part of the EIA processes for the proposed Tlisitseng solar PV energy facilities, and have been applied for as part of separate ongoing BA processes. In addition, the proposed power line corridors have been amended so that they primarily fall within Portion 25 of the farm Houthaalboom No. 31 and no longer traverse the adjacent land located to the south of this farm (i.e. the Talene No 25 farmsteads). The impact of the proposed power line development on safety and security has been assessed in the socio-economic impact assessments undertaken as part of the BAs. In addition, the impact of the proposed solar PV energy facilities on safety and security has been

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Issue/Comment	Raised By	Response
<ul style="list-style-type: none"> ▪ Clarified that they are in favour of such a development but not on their property. This development can be moved to ensure that the corridor and the remainder of the unsightly development is routed on Portion 25 of the farm Houthaalboom No. 31. ▪ Declared as owner of Portion 2 of the farm Talene 25 IP, District Lichtenburg, that, under no circumstances, do they give permission for this development as it is currently proposed. 		<p>assessed in detail as part of the EIA phase socio-economic impact assessments.</p> <p>It will be ensured that expectations regarding employment provision are carefully managed by the project proponent to avoid an influx of hopeful job seekers. If the movement of people increases in the proposed study area, the risk of stock theft may increase and personal safety may decrease. In order to limit this impact, project information will be clearly communicated prior to construction to minimise the influx of migrant job seekers. During construction the rules and regulations will be clearly communicated to all workers that adjacent properties must be respected and avoided. In addition, the movement of workers and vehicles on the roads linked to the construction activities will be limited to working hours and workdays.</p> <p>Andrea Gibb, SiVEST</p>
<p>Translation: Noted that the erection of the high steel structures will have the following consequences:</p> <ul style="list-style-type: none"> ▪ Unsightly view of nature on his farm. ▪ Cause mortality of wildlife i.e. vultures flying into the overhead cables. ▪ Chase away small game such as Bat-eared fox (<i>Otocyon megalotis</i>) – bokoorjakkalsies – duikers (<i>Sylvicapra Grimmia</i>) and steenbokkies (<i>Raphicercus Campestris</i>) ▪ Cause veld fires. ▪ The value of the property will be negatively affected and if the project is revealed to a potential buyer, as is good practice, it will scare him off. ▪ It would negatively impact the small holdings as a fence could not be erected and gates would be left open at a regular basis by workers. ▪ It would provide access to unwanted people and workers which would threaten our privacy and safety. ▪ Would like to state it clearly that I am in favour of such a development provided the development and the corridor be 	<p>Gys Goedhals Owner of Adjacent Land Letter: 25 June 2016</p>	<p>The proposed power lines running from the onsite substations to the Eskom Watershed substation are not part of the EIA processes for the proposed Tlisitseng solar PV energy facilities, and will be applied for as part of separate ongoing BA processes. The visual impact of the proposed power lines will be assessed in detail as part of the BA visual impact assessment. The impact of the proposed solar PV energy facilities on fauna and avifauna have been assessed in detail as part of the BA biodiversity impact assessment. Mitigation measures have also been included in the EMPr to reduce the impact on large raptors and other small game.</p> <p>In general fires are caused under the following scenarios</p> <ul style="list-style-type: none"> ▪ Flashovers between the conductor and vegetation (or mechanical harvesters) that grow too close. ▪ Falling trees ▪ Poor line maintenance and the pylon falls over <p>Once constructed the power lines will be handed over to Eskom. In recent years Eskom has acquired the use of two satellites to identify and track fires near their lines. An early warning system alerts</p>

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<p>moved (and the rest of the unsightly development) to Portion 25 of the farm Houthaalboom No. 31</p> <ul style="list-style-type: none"> ▪ I hereby declare, as owner of small holding 3 of the farm Talene 25 IP, District Lichtenburg, that I do not give my permission for this development as it is currently proposed. ▪ As the development falls within a portion of my property, I recommend that the small holding is purchase in it totality at a price determined by us. 		<p>managers to fires within 5km of power lines. The facility also has a fire weather forecasting system. It is understood this information is available to municipalities and Fire Protection Agencies / Fire Fighting Associations, and interested parties are given access to the website. Eskom also maintains it servitudes, keeping it clear of vegetation that could act as fuel during a fire events.</p> <p>The impact of the proposed power line development on safety and security has been assessed in the socio-economic impact assessments undertaken as part of the BAs. In addition, the impact of the proposed solar PV energy facilities on safety and security has been assessed in detail as part of the EIA phase socio-economic impact assessments.</p> <p>It will be ensured that expectations regarding employment provision are carefully managed by the project proponent to avoid an influx of hopeful job seekers. If the movement of people increases in the proposed study area, the risk of stock theft may increase and personal safety may decrease. In order to limit this impact, project information will be clearly communicated prior to construction to minimise the influx of migrant job seekers. During construction the rules and regulations will be clearly communicated to all workers that adjacent properties must be respected and avoided. In addition, the movement of workers and vehicles on the roads linked to the construction activities will be limited to working hours and workdays.</p> <p>The proposed power line corridors have been amended so that they primarily fall within Portion 25 of the farm Houthaalboom No. 31 and no longer traverse the adjacent land located to the south of this farm (i.e. the Talene No 25 farmsteads).</p> <p>Andrea Gibb, SiVEST</p>
5. Biodiversity Related Comments/Issues		
<p>The Endangered Wildlife Trust (EWT) stated that they have reviewed the Avifaunal Specialist Report and that they have no comments at this</p>	<p>Lourens Leeuwner Endangered Wildlife Trust Email: 16 February 2016</p>	<p>EWT will continue to receive all project reports and updates.</p> <p>Lynsey Rimbault, SiVEST</p>

Issue/Comment	Raised By	Response
stage, but that they would like to be kept up to date with further correspondence on the project.		
6. Heritage Related Comments/Issues		
<p>Noted that SAHRA accepts the Heritage Scoping Report and its recommendations and requires the following studies:</p> <ul style="list-style-type: none"> ▪ A full PIA should be conducted to assess the development area as it is situated in a region of very high palaeontological significance. ▪ A field survey is required during the EIA phase of the project. Should any finds be made during the field survey, they must be assessed according to the methodology stipulated in Appendix C of the Heritage Scoping Report (Fourie, 2014), and a HIA be submitted for comment. <p>SAHRA requires the location of the project to be submitted either through SAHRIS or as a KML file.</p> <p>Final comments will be issued when the above has been completed. Please submit the Final Scoping Report (FSR) and/or Environmental Impact Assessment upon completion.</p>	<p>Nokukhanya Khumalo Heritage Officer: SAHRA Letter: 10 March 2016</p>	<p>A full PIA has been undertaken to assess the development and the results are included within the DEIAr and weremade available to SAHRA for comment. A field survey has been undertaken by the heritage specialist and the finds have been assessed according to the methodology stipulated in the Heritage Scoping Report. The results of the HIA have been included in the DEIAr and FEIAr and were also made available to SAHRA for comment.</p> <p>The location of the project and all reports and appendices were made available on SAHRIS. Andrea Gibb, SiVEST</p>
<p>Noted that the requirements mentioned in SAHRA's comments published 10 March 2016 still stand:</p> <ul style="list-style-type: none"> ▪ A full PIA should be conducted to assess the development area as it is situated in a region of very high paleontological significance. ▪ A field survey is required during the EIA phase of the project. Should any finds be made during the field survey, they must be assessed according to the methodology stipulated in Appendix C of the Heritage Scoping Report (Fourie, 2014), and a HIA be submitted for comment. 	<p>Nokukhanya Khumalo Heritage Officer: SAHRA Letter: 27 October 2016</p>	
<p>None of the heritage study reports have a declaration of independence for this proposed development, nor do they contain the author's signature and CV. Future reports will be rejected for not containing such information.</p>	<p>Nokukhanya Khumalo SAHRA Letter: 20 April 2017</p>	<p>A declaration of independence for each author is included within Appendix 4 and the authors CVs are included within Appendix 2 of the FEIAr. SiVEST will ensure that all future documents sent to SAHRA contain the author's declaration of independence, signature and their CV.</p>

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<p>SAHRA APM Unit accepts all the reports and has no objections to the proposed Solar PV Plant if the following conditions area adhered to:</p> <ul style="list-style-type: none"> ▪ A palaeontologist must be appointed to monitor the Geotechnical Survey. If more cave breccias are identified then, based on the report of the appointed palaeontologist, monitoring by a suitably qualified palaeontologist during construction must be undertaken. ▪ Mitigation of site TS05 should be carried out by a suitably qualified archaeologist after obtaining the relevant permit from SAHRA. ▪ If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary, and a permit will be needed before mitigation. You may contact SAHRA APM Unit for further details: (Nokukhanya Khumalo/Phillip Hine 021 202 8652), and ▪ If any unmarked human burials are uncovered then please contact the SAHRA BGG Unit (Mimi Seetelo 012 320 8490). <p>The conditions listed within this comment do not supersede the conditions within the SAHRA Final Comment dated 19 May 2014, but should be add/adhered to in conjunction with them. If any damage or disturbances to the heritage resources identified in the HIA are foreseen and the recommendations within this comment and the Final Comment dated 19 May 2014 cannot be adhered to then a motivation letter should be submitted to SAHRA as an additional documents in a new permit application.</p>		<p>All the mitigation measures given by the heritage specialist and SAHRA have been included in the Final EMPr attached to the FEIAr as Appendix 8. Andrea Gibb, SiVEST</p>
<p>SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit requests that the PIA conducted for Tlisitseng 2 be rectified to include photographs of the 11 observations as stated in the report. The currents photos in the report depict the observations from the Tlisitseng 1 proposed power line route. The above must be rectified before further comments can be provided.</p>	<p>Natasha Higgitt SAHRA Letter: 02 May 2017</p>	<p>The heritage specialist was requested to update his report based on the comments received from SAHRA. The amended and updated Tlisitseng 2 report was uploaded to the SAHRA website. Veronique Evans, SiVEST</p>

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<p>The PIA for Tlisiteng 2 still needs to be rectified. Please complete this as soon as possible so that I may issue comments.</p>	<p>Natasha Higgitt SAHRA Email: 08 May 2017</p>	<p>The specialist was contacted to amend his report based on SAHRA's comments. The amended report was uploaded onto the SAHRA website. Veronique Evans, SiVEST</p>
<p>SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit accepts the heritage specialist reports and the recommendations contained therein, and has no objection to the proposed power line and substation development. The recommendations of the heritage specialists and the following conditions must form part of the Environmental Management Programme (EMPr) of the project:</p> <ul style="list-style-type: none"> ▪ Palaeontological monitoring reports must be submitted to SAHRA upon completion of the construction phase; ▪ The Final BAR and EMPr must be submitted to SAHRA via the SAHRIS Case application upon final submission to the relevant competent authority; ▪ If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/John Gribble 021 462 5402) must be alerted. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Mimi Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA; and ▪ If the development receives an Environmental Authorisation (EA), SAHRA must be informed and all documents pertaining to the EA must be uploaded to the SAHRIS Case file. 	<p>Natasha Higgitt SAHRA Letter: 22 May 2017</p>	<p>SiVEST acknowledges SAHRA's comments. The Final BAR and EMPr will be uploaded to SHARA's website as per their request. All comments received from SAHRA regarding monitoring and mitigation measures have been included in the EMPr. Veronique Evans, SiVEST</p>

Issue/Comment	Raised By	Response
7. Agricultural Related Comments/Issues		
<p>Noted that in terms of Section 4 of Act, 70 of 1970, DAFF still does not support the development of two Photovoltaic Solar Energy Facilities. Noted that in a previous letter dated 28 July 2016 that the proposed PV facilities will affect the cultivation in the area. The layout plans in the Draft Scoping Report showed that the area of the pivots will be affected, and therefore the proposal will have a negative effect on the agricultural activities taking place on the property. The land can still be used for agricultural purposes with a clear agricultural character which must be preserved for food production. This will set a precedent that will compromise agricultural production in the area. Therefore an alternative area should be identified.</p>	<p>Dr. M.P. Rampedi Department of Agriculture Forestry and Fisheries (DAFF): Deputy Director-General – Forestry and Natural Resource Management Letter: 10 March 2017</p>	<p>SiVEST notes your statement that the proposed development is not supported by your Department. Your letter included the assertion that <i>'the proposed project will affect the cultivation in the area'</i> and that <i>'the area of pivots will be affected.'</i></p> <p>In response to these statements, please take note that the development of the two (2) Tlisitseng solar PV energy facilities will not disturb any pivots located on the proposed application site or in the larger area. BioTherm Energy has made great effort to avoid the pivots during the planning of the development areas, and the pivots have been marked as no-go areas for the project. As such, the proposed layout alternatives avoid all the pivots located on Portion 25 of the Farm Houthaalboom No. 31. Refer to the layout alternatives in relation to areas of high sensitivity for both solar PV energy facilities in Appendix 7.</p> <p>SiVEST notes your statement that the land is still used for agricultural purposes and must be preserved for food production. You letter noted that this <i>'will set a precedent for future applications in the area that will compromise agricultural production'</i> and that <i>'an alternative site be considered for the proposed development'</i>.</p> <p>In response to this statement, please note that a soils and agriculture potential assessment has been undertaken for each proposed solar PV energy facility. These reports were recently updated based on a more detailed soil investigation of the whole site which made use of a hand augers to investigate the site on a grid of 150 x 150 m, to a depth of 1.2 m. Based on the findings of this detailed soil investigation it was established that the farm is primarily used for grazing due to the dominant shallow soils. The reports also state the following;</p> <p><i>'Due to the generally low potential agricultural environment, little or no mitigation measures are required. The footprint of the development</i></p>

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		<p><i>should be kept to a minimum, so that at least the effect on grazing land for livestock is reduced.'</i></p> <p>In addition to ensuring that all pivots are avoided by the proposed development, BioTherm Energy has kept the footprint of the development to a minimum, with the proposed Tlisitseng 1 development area taking up only approximately 24 % of the application site and the Tlisitseng 2 development area taking up only approximately 34 % of the application site.</p> <p>The comment period of the Draft Environmental Impact Assessment Reports ended on 10 April 2017, however in light of the above, it was requested that DAFF review the Soil and Agricultural Potential Reports and confirm that the mitigation measures as suggested by the specialist are sufficient. SiVEST will forward all comments received after the FEIARs have been submitted to the DEA, directly to the relevant case officer.</p> <p>In order to further ensure that your Department is properly engaged, SiVEST will be contacting you within the next few weeks to set up a site visit. Andrea Gibb, SiVEST (Letter – 13 April 2017)</p> <p>DAFF has been invited to attend the site visit that will be taking place in July 2017.</p>
<p>Noted that in terms of Section 4 of Act, 70 of 1970, it does not grant consent for the above-mentioned application. The proposed project will affect the pivots in the area, therefore an alternative area should be identified. This is a unique agricultural land used for agricultural purposes with a clear agricultural character which must be preserved for food production. This will set a precedent that will compromise agricultural production in the area.</p>	<p>Dr. M.E. Tau Department of Agriculture Forestry and Fisheries (DAFF): Deputy Director-General – Forestry and Natural Resource Management Letter: 28 July 2016</p>	<p>BioTherm acknowledges the presence of pivots on Portion 25 of the Farm Houhaalboomen No. 31 on which the proposed developments are planned to be located. BioTherm understands and respects the importance of agricultural land by ensuring that it is a no-go area for development. The development of the two (2) Tlisitseng facilities will not disturb any of the pivots located on the proposed development site or in the larger area. BioTherm has made great effort to avoid the pivots in the planning of the development areas as such, the pivots have been marked as no-go areas for the project. The project infrastructure will not cause any disturbance to the pivots. A meeting</p>

Issue/Comment	Raised By	Response
		was requested with DAFF in order to clarify details of the project development area and answer any questions that DAFF may have with regards to the proposed development. Jasandra Nyker, BioTherm Energy
Confirmed receipt of BioTherm's meeting request. Noted that the request has been forwarded to Mabule one of their land use advisors who will schedule a meeting regarding this matter. It was noted that the department at this stage is currently busy with workshops for public comments on the new Preservation and Development of Agricultural Land Bill. Mabule will only be in the office after the 28 th of September and will only be in a position to schedule a meeting after this time.	Thoko Buthelezi DAFF: Agricultural Support Group Email: 14 September 2016	BioTherm awaited for further details regarding the meeting. Irene Bezuidenhout, BioTherm Energy
It was noted that DAFF are available for the meeting on 11 October 2016. Requested that BioTherm indicate a suitable time so that the necessary officials can be invited.	Thoko Buthelezi DAFF: Agricultural Support Group Email: 06 October 2016	A meeting invite was sent out and the meeting took place on 11 October 2016 at 10h15. Draft minutes of the meeting held between DAFF and BioTherm have been compiled and were sent to the DEA for consideration. The minutes are also included in the DEIAr. Andrea Gibb, SiVEST
8. Communication and Information Request Related Comments/Issues		
Ms April informed SiVEST that her colleagues Mr Masipa and Mr Govender are the relevant contact people at the Department of Energy.	Lerato April Department of Energy Email: 10 February 2016	Ms April's comment is noted and all future communication with the Department of Energy will be with Mr Masipa and Mr Govender. Lynsey Rimbault, SiVEST
Requested for the KMZ files of the sites, layouts and routes for the proposed power lines to be sent to him for his records and proper checking against their plans.	John Geeringh Eskom GC: Land Development Email: 22 February 2016	KMLs indicating the site boundaries, power line corridors and substation sites were sent to Mr Geeringh on 07 March 2016. Lynsey Rimbault, SiVEST
Requested for more information regarding the application including a sketch so that they can understand where the proposed infrastructure is to be located.	Annette Van Zyl-Swart Openserve: Planner (Highload Clearances, Wayleave & Poles) Email: 22 February 2016	The notification letter, kmls and maps of the proposed Tlisitseng PV projects were sent to Ms Van Zyl-Swart on 07 March 2016. Lynsey Rimbault, SiVEST
Noted that SANRAL is only interested in the locality of facilities, substations and power lines, in order to comment on access to the facilities and to determine if any national road is affected. We are not interested in the environmental aspects and supports the approval by the relevant authority. Further noted that they will not attend public hearings due to time constraints.	Jan Oliver SANRAL: Statutory Control Section Emails: 08 March 2016	SANRAL's support for the project is noted. Andrea Gibb, SiVEST

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Requested for a locality map showing the location and extent of the two Tlisitseng Solar Energy Facilities so that they can see whether a national road will be affected.		The locality map showing the location of the proposed Tlisitseng PV projects was sent to Jan Oliver on 12 April 2016. Lynsey Rimbault, SiVEST
Noted that the Department received an application for the proposed development of the two Tlisitseng 75MW solar PV energy facilities. They requested for a complete EIA to be sent to them in order for them to process and finalise the application.	Cherity Gombela DAFF: Senior Administration Clerk – Land Use and Soil Management Email: 01 September 2016	The applications for environmental authorisation for the Tlisitseng Solar PV Facilities have lapsed as the legislated timeframes could not be adhered to due to a layout change which affected both projects. As such, applications for environmental authorisation have been resubmitted to the DEA and the project restarted in late September 2016. DAFF will be notified as the project progresses. Andrea Gibb, SiVEST
<p>Translation:</p> <ul style="list-style-type: none"> ▪ It was mentioned that a public meeting was held. Questioned what inputs were received and requested that the points raised be revealed to him in Afrikaans. ▪ Requested that the environmental impact study be made available in Afrikaans ▪ Questioned which newspaper the public meeting was advertised in. ▪ Noted that a meeting should be held to provide persons affected the opportunity to provide inputs and to discuss the points raised in his letter dated 25 June 2016. 	Gys Goedhals Owner of Adjacent Land Letter: 25 June 2016	<p>A landowner Focus Group Meeting (FGM) was held on the 14th of March 2016. All comments raised at this meeting are provided in Afrikaans and are included within the Meeting Minutes which are attached to the DSR as Appendix 7G.</p> <p>The executive summary of the DSR, FSR, DEIAr and FEIAr will be made available to all I&APs in Afrikaans.</p> <p>The public participation process has been undertaken in accordance with the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the EIA Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014. Accordingly the EIA processes were advertised in the Noordwester and meeting invitations were sent out via email, post and fax.</p> <p>A Public Meeting, Authority FGM and Landowner FGM were undertaken for the initial EIA in March 2016. These meetings have been deemed sufficient and no further meetings were held. Mr Goedhals was invited to the Landowner FGM and Public Meeting. All Mr Goedhals comments and questions have been responded to in this C&RR and he has been given further opportunity to comment and raise issues and questions throughout the EIA process.</p>
Requested to be notified if the FEIAr is available yet and what the progress has been made on the Tlisitseng Solar 1 and 2 Projects.	Carmen Barends	The applications for environmental authorisation for the Tlisitseng Solar PV Facilities have lapsed as the legislated timeframes could not

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	Leads to Business: Regional Content Researcher Email: 24 August 2016	be adhered to due to a layout change which affected both projects. As such, applications for environmental authorisation have been resubmitted to the DEA and the project restarted in September 2016. Leads to Business were notified as the project progresses. Andrea Gibb, SiVEST
Requested that the FSR be uploaded to the SAHRIS Case file (Case ID: 9119). Please ensure that when the DEIAr is completed that it is uploaded to the case file for review.	Natasha Higgitt Heritage Officer: SAHRA Email: 14 November 2016	All documents were uploaded to the relevant case on SAHRIS as requested. Andrea Gibb, SiVEST
Requested for the site locality maps so that they can see where the facilities are located.	Jan Oliver SANRAL: Statutory Control Section Emails: 08 March 2017	The locality map showing the location of the proposed Tlisitseng PV projects was sent to Jan Oliver on 08 March 2017. Andrea Gibb, SiVEST
Requested that the DEIAr to be uploaded to the relevant case on SAHRIS.	Natasha Higgitt Heritage Officer: SAHRA Email: 14 November 2016	All documents were uploaded to the relevant case on SAHRIS as requested. Andrea Gibb, SiVEST
Requested for a map showing the power line corridors in relation to the neighbouring farmers.	Gys Goedhals Owner of Adjacent Land Telephone: 08 March 2017	The maps showing the power line assessment corridors in relation to the neighbouring farms were sent to Gys Goedhals on 08 March 2017. As indicated the corridors have been adjusted so that they do not traverse the neighbouring Talene Farms. Andrea Gibb, SiVEST
Requested that the Draft EIA report be uploaded to the case on SAHRIS.	Nokukhanya Khumalo SAHRA Email: 09 March 2017	DEIArs were uploaded to the case on SAHRIS for your consideration and comment. Andrea Gibb and Veronique Evans, SiVEST
Requested whether the Draft EIA and BARs have been release for public review.	Carmen Barends Leads 2 Business Email: 22 March 2017	Noted that the DEIArs for the Tlisitseng 1 and 2 Solar PV Facilities were available for review until Monday 10 April 2017. The DBARs for the Power Lines and Substations were made available for review from Monday 27 th March 2017 until Tuesday 02 May 2017. Andrea Gibb, SiVEST
Requested whether the documents are available for download.	Carmen Barends Leads 2 Business Email: 27 March 2017	Noted that the documents can be downloaded from SiVEST website. Noted that SiVEST was unable to start the comment period for the Tlisitseng Power Lines and Substation on 24 March 2017 as planned due to the Information Desk at the Department of Environmental Affairs being closed. As such, the comment period has been extended and

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		the DBAR were made available from Monday 27 March 2017 until Tuesday 2 May 2017. Andrea Gibb, SiVEST
The Department confirms having received the DEIArs for the project on 23 March 2017. Comments will be provided within 30 days from the date of receipt.	Wilma Lutsch DEA – Biodiversity Conservation 30 March 2017	It is noted that comments would be provided. Any comments received after the FEIAR has been submitted will be forwarded to the DEA. Andrea Gibb, SiVEST
SAHRA checked the SAHRIS Case application (http://sahra.org.za/sahris/cases/tlisitseng-1-and-2-solar-pvfacilities) and it is noted that documents were submitted to SAHRA on the 14/03/2017. Additionally, it must be noted that the cases were left in the DRAFT status. Cases left in the DRAFT status do not get processed. Please ensure that the case is changed to SUBMITTED so that I may process the case.	Natasha Higgitt Heritage Officer: SAHRA Email: 31 March 2017	The status of the case on SAHRIS was updated to 'submitted'. Andrea Gibb, SiVEST
Please note that the case on SAHRIS was only created on the 30 th March 2017 (two weeks ago). This is the only official submission process that SAHRA accepts. Emailed reports are not accepted as official submissions. As such, comments will be provided on the 3 May, and the comments must be forwarded directly to the competent authority for consideration.	Natasha Higgitt Heritage Officer: SAHRA Email: 13 April 2017	As per your previous email attached, please be advised that the case was created on 14 March 2017, however the status was only updated to 'Submitted' toward the end of March, following your email. SiVEST will ensure that all comments received after the FEIArs are submitted to the DEA are forwarded to the relevant case officer for consideration. Andrea Gibb, SiVEST
Requested what the proposed development was about.	Professor Antoinette Kotze Manager: Research and Science Services National Zoological Garden of South Africa Email: 18 April 2017	SiVEST SA has been appointed to undertake the environmental assessments for two proposed solar energy facilities as well as their associated substations power lines near Lichtenburg in the North West Province. The National Department of Environmental Affairs has requested that your organisation be informed about the projects so that you can provide comment. Maps indicating the project locality as well as the background information document (BID) were attached and sent to Prof Kotze. Hlengiwe Ntuli, SiVEST
Confirmed that the SKA has no comments on the proposed project.	Adrian Tiplady SKA Email: 23 May 2017	Noted.
The NZG no longer holds any interest in the Lichtenberg Biodiversity Conservation Centre as the property has been handed back to the	Dr Clifford Nxomani (PhD) Managing Director	Noted.

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Lichtenberg Municipality. We thus have no role in commenting or participating on the proposed project.	National Zoological Garden of South Africa Email: 19 June 2017	
Asked to be removed from our mailing list.	Professor Antoinette Kotze Manager: Research and Science Services National Zoological Garden of South Africa Email: 19 June 2017	Request acknowledged. Informed Prof Antoinette that I will remove her from our mailing list. Hlengiwe Ntuli, SiVEST

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Established 1952

Manager: Site Categorisation
Square Kilometre Array (SKA)
PO Box 522
SAXONWOLD
2132

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: DR ADRIAN TIPLADY

Dear Dr A Tiplady,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) 132kV substations and power lines near Lichtenburg in the North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

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Should you have any questions or queries please do not hesitate to contact us at:

Andrea Gibb / Veronique Evans
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andreag@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SIVEST

51 Wessel Road, Rivonia
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Gauteng, South Africa

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Established 1952

SA Civil Aviation Authority (SA CAA)
Private Bag X73
HALFWAY HOUSE
1685

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR HARRY ROBERTS

Dear Mr H Roberts,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) 132kV substations and power lines near Lichtenburg in the North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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www.sivest.co.za



Established 1952

Chief Planner
ESKOM
PO Box 1091
JOHANNESBURG
2000

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR JOHN GEERINGH

Dear Mr J Geeringh,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Environmental Practitioner
SiVEST Environmental Division

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Established 1952

Renewable Projects
SENTECH
Private Bag X06
Honeydew
2040

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR JOHAN KOEGELENBERG

Dear Mr J Koegelenberg,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Email – andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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Municipal Manager
Ditsobotla Local Municipality
PO Box 7
LICHTENBURG
2740

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR J MOLEFE

Dear Mr J Molefe,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) 132kV substations and power lines near Lichtenburg in the North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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Established 1952

Statutory Control Section
SANRAL
Private Bag X17
Lynnwood Ridge
0040

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR JAN OLIVER

Dear Mr J Oliver,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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Established 1952

Department of Water and Sanitation
Pvt Bag X5
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR L BOGOPA

Dear Mr L Bogopa,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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SiVEST Environmental Division

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Renewable Energy Project
The Endangered Wildlife Trust
86 Capricorn Drive,
Capricorn Business Park
Muizenberg
CAPE TOWN

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR LOURENS LEEUNWNER

Dear Mr L Leeuwner,

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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SiVEST

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Established 1952

Head of Department
Department of Water and Sanitation
Pvt Bag x2080
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR MORGAN GRIFFITHS

Dear Mr M Griffiths,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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Department of Water and Sanitation
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2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR M THAMAE

Dear Mr M Thamae,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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National Department of Energy
Private Bag x96
Pretoria
0001

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR PHELADI MASIPHA

Dear Mr P Masipa,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SIVEST

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Established 1952

Department of Mineral Resources
Private bag a1
KLERKSDORP
2570

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR PIETER SWART

Dear Mr P Swart,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
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Manager: Statutory Control
SANRAL
Private Bag X19
BELLVILLE
7535

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR SHAUN DYERS

Dear Mr S Dyers,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) 132kV substations and power lines near Lichtenburg in the North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

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Should you have any questions or queries please do not hesitate to contact us at:

Andrea Gibb / Veronique Evans
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SIVEST

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PO Box 2921, Rivonia
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Gauteng, South Africa

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Established 1952

Environmental Manager: Freight Rail
TRANSNET
PO Box 255
BLOEMFONTEIN
9300

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR SAM FIFF

Dear Mr S Fiff,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Environmental Practitioner
SiVEST Environmental Division

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Established 1952

Policy and Advocacy Manager
BirdLife South Africa
PO Box 515
RANDBURG
2125

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR SIMON GEAR

Dear Mr S Gear,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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www.sivest.co.za



Established 1952

DEA – Biodiversity
Private Bag X447
Pretoria
0001

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR SEOKA LEKOTA

Dear Mr S Lekota,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Email – andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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Established 1952

NW Department of Energy
Pvt Bag X2075
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MR TEBOGO SETHOSA

Dear Mr T Sethosa,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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Established 1952

Department of Agriculture, Forestry & Fisheries
Private Bag X120
PRETORIA
0001

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MRS ANNELIZA COLLETT

Dear Mrs A Collett,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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Planner
TELKOM
PO Box 1025,
Klerksdorp
2570

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS ANNETTE VAN ZYL-SWART

Dear Ms A van Zyl-Swart,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Environmental Practitioner
SiVEST Environmental Division

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Established 1952

Department of Water and Sanitation
Pvt Bag X5
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS DORIS MUEMELA

Dear Ms D Maumela,

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Fax – (011) 803 7272
Email – andreaq@sivest.co.za / veroniquee@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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Established 1952

Manager: Corporate Sustainability and Environment
AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)
Private Bag X15
KEMPTON PARK
1620

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS JOHANA MOROBANE

Dear Ms J Morobane,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

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SiVEST Environmental Division

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SiVEST

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Established 1952

Environmental Health Practitioner
Ditsobotla Local Municipality
PO Box 7
LICHTENBURG
2740

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS KRJ ZANDAMELA

Dear Ms KRJ Zandamela,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

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Environmental Practitioner
SiVEST Environmental Division

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SiVEST

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Established 1952

National Department of Energy
Private Bag x96
Pretoria
0001

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS LERATO APRIL

Dear Ms L April,

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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SiVEST

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Established 1952

Obstacle Specialist
SA Civil Aviation Authority (SA CAA)
Private Bag X73
HALFWAY HOUSE
1685

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS LIZELL STOH

Dear Ms L Stoh,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Established 1952

Environmental Manager
Ngaka Modiri Molema District Municipality
Private Bag X2165
MAHIKENG
2765

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS MARCH LEHLOHONOLO

Dear Ms M Lehlohonolo,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) 132kV substations and power lines near Lichtenburg in the North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

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Should you have any questions or queries please do not hesitate to contact us at:

Andrea Gibb / Veronique Evans
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andreaq@sivest.co.za / veroniquee@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

51 Wessel Road, Rivonia
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Gauteng, South Africa

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Email info@sivest.co.za
www.sivest.co.za



Established 1952

NW Department of Energy
Pvt Bag X2075
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS MATSHIDISO MAHLAKU

Dear Ms M Mahlaku,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

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Environmental Practitioner
SiVEST Environmental Division

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www.sivest.co.za



Established 1952

Assistant Director
Department of Agriculture, Forestry & Fisheries
Private Bag X120
PRETORIA
0001

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS MASHUDU MARUBINI

Dear Ms M Marubini,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

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www.sivest.co.za



Established 1952

Department of Rural, Environmental, & Agricultural
Development
Pvt Bag X 2039
MMABATHO
2745

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS MAFU NKOSI

Dear Ms M Nkosi,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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www.sivest.co.za



Established 1952

Municipal Manager
Ngaka Modiri Molema District Municipality
Private Bag X2165
MAHIKENG
2765

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS MMATLALA RABOTHATA

Dear Ms M Rabothata,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Email – andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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Established 1952

Municipal Manager
Ngaka Modiri Molema District Municipality
Private Bag X2165
MAHIKENG
2765

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS NONO DINCE

Dear Ms N Dince,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Fax – (011) 803 7272
Email – andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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Established 1952

Obstacle Evaluator
AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)
Private Bag X15
KEMPTON PARK
1620

Your reference
Our reference 13303 - Grid
Date 24 March 2017

ATTENTION: MS SIMPHIWE MASILELA

Dear Ms S Masilela,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Email – andreaq@sivest.co.za / veroniquee@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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SiVEST

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Email info@sivest.co.za
www.sivest.co.za



Established 1952

SANRAL
Private Bag X19
BELLVILLE
7535

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS SM MATSHEKA

Dear Ms SM Matsheka,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andreaq@sivest.co.za / veroniquee@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

SiVEST

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www.sivest.co.za



Established 1952

SANRAL
Private Bag X19
BELLVILLE
7535

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS THOKO BUTHELEZI

Dear Ms T Buthelezi,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

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Established 1952

SANRAL
Private Bag X19
BELLVILLE
7535

Your reference

Our reference 13303 - Grid

Date 24 March 2017

ATTENTION: MS VICTORIA BOTA

Dear Ms V Bota,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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Tel – (011) 798 0600
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Email – andreaq@sivest.co.za / veroniquee@sivest.co.za

Yours sincerely

Andrea Gibb
Environmental Practitioner
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) of the Tlisitseng 1 DBAR and Tlisitseng 2 DBAR

From: sivest_PPP
Sent: 27 March 2017 11:46 AM
Cc: Andrea Gibb
Subject: Two Proposed Tlisitseng 132kV Substations and Power Lines: DBAR Availability and Comment Period

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*******

Dear Stakeholder

BASIC ASSESSMENTS (BAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 132KV SUBSTATIONS AND POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of two (2) Tlisitseng 132kV substations and power lines near Lichtenburg, North West Province, namely the Tlisitseng 1 and Tlisitseng 2 132kV substations and power lines. The proposed substations and power lines will connect the proposed Tlisitseng 1 and Tlisitseng 2 solar PV energy facilities to the existing Eskom Watershed substation.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA), the Draft Basic Assessment Report (DBARs) will be made available for public comment and review as from **Monday 27 March 2017 to Tuesday 02 May 2017** (end of business day).

An electronic copy (on CD) of the DBARs as well as the accompanying appendices has been posted to you. The reports are also available on SiVEST's website: <http://www.sivest.co.za>, click on downloads and then browse to the folder '13303 Tlisitseng Substations and Power Lines. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Tuesday 02 May 2017** (end of business day). SiVEST will forward any comments received after this comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Andrea Gibb
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – andreag@sivest.co.za

Please note that the comment period was due to start on Friday 24 March, however the Information Desk at the Department of Environmental Affairs was closed. As such SiVEST have amended the comment period from starting on Friday 24 March 2017 to start today Monday 27 March 2017 to Tuesday 02 May 2017, as mentioned above.

Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272
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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)



VIEW EDIT

Tlitseng 1 and 2 Power Line and Substation

Add new comment Subscribe to: This post 56 reads

CaseHeader LocationInfo Admin

Status: Closed (Approved)

HeritageAuthority(a): SAMRA
NMPHRA

Case Type: Section 38 (8) - Statutory Comment Required

Development Type: Solar

ProposalDescription:

BioTherm Energy (Pty) Ltd (hereafter referred to as BioTherm) intends to develop the Tlitseng 1 132kV Substation and 132kV power line (hereafter referred to as the "proposed development") near Lichtenburg in the North West Province of South Africa. SIVEST SA Pty (Ltd) (hereafter referred to as SIVEST) has been appointed as Independent Environmental Assessment Practitioner (EAP) to undertake the Basic Assessment (BA) for the proposed development. The overall objective of the project is to feed the electricity generated at the Tlitseng 1 solar photovoltaic (PV) energy facility (part of a separate ongoing process) back into the National Grid by constructing the proposed Tlitseng 1 substation and power line.

ApplicationDate: Thursday, March 30, 2017 - 15:43

CaseID: 10883

Applicants: Sivist - Gauteng

Consultants/Experts: Andrea Gibb

OtherReferences:

Dept	CaseReference	DueDate	FinalDecision
DEA		02/05/2017	

Heritage Reports: [Tlitseng Substations and Power Lines Heritage Reports ReferenceList](#)

AdditionalDocuments

- 13303 Tlitseng Grid 1 BA Rev 2 22 March 2017 VE.pdf
- 13303 Tlitseng Grid 2 BA Rev 2 22 March 2017 VE.pdf
- Tlitseng 1 Appendices part 1.pdf
- Tlitseng 1 Appendices part 2.pdf
- Tlitseng 2 Appendices part 1.pdf
- Tlitseng 2 Appendices part 2.pdf
- Tlitseng 1 Appendices part 3.3.pdf
- Tlitseng 1 Appendices part 4.1.pdf
- Tlitseng 2 Appendices part 3.1.pdf
- Tlitseng 1 Appendices part 4.1.pdf

Official Decisions & Comments

Date	Dec Status
22/05/2017	Final Comment
02/05/2017	Interim Comment




DRAFT BASIC ASSESSMENT FOR THE PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 132KV SUBSTATION AND POWER LINE NEAR LICHTENBURG, NORTH WEST PROVINCE


DISTRIBUTION OF THE DRAFT BASIC ASSESSMENT REPORT (DBAR) TO ORGANS OF STATE FOR COMMENT


TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
DITSOBOTLA LOCAL MUNICIPALITY					
Mr	Molefe	J	Municipal Manager	PO Box 7 LICHTENBURG 2740	digoamajel@ditsobotla.co.za
Ms	Zandamela	KRJ	Environmental Health Practitioner	PO Box 7 LICHTENBURG 2740	info@ditsobotla.gov.za
NGAKA MODIRI MOLEMA DISTRICT MUNICIPALITY					
Ms	March	Lehlohonolo	Environmental Manager	Private Bag X2165 MAHIKENG 2765	matsosel@nmmdm.gov.za
Mr	Metswamere	Abe	Environmental Manager	Private Bag X2165 MAHIKENG 2765	sholem@nmmdm.gov.za
DEPARTMENT OF ENERGY					
<i>Provincial - NORTH WEST</i>					
Mr	Sethosa	Tebogo		Pvt Bag X2075 MMABATHO 2745	Tebogo.sethosa@energy.gov.za
Ms	Mahlaku	Matshediso		Pvt Bag X2075 MMABATHO 2745	Matshediso.mahlaku@energy.gov.za
<i>National</i>					
Ms	April	Lerato		Private Bag x96 Pretoria 0001	lerato.april@energy.gov.za
Mr	Masipa	Pheladi		Private Bag x96 Pretoria 0001	Pheladi.Masipa@energy.gov.za
DEPARTMENT OF WATER AND SANITATION					
Mr	Matsheka	SM		Private Bag X5 MMABATHO 2735	MatshekaS@dwa.gov.za
Mr	Bogopa	L		Private Bag X5 MMABATHO 2735	
Ms	Maumela	Doris		Private Bag X5 MMABATHO 2735	MaumelaD@dws.gov.za
NORTH WEST DEPARTMENT OF RURAL, ENVIRONMENTAL AND AGRICULTURAL DEVELOPMENT					
Ms	Mafu	Nkosi	Acting Director	Private Bag X2039 MMABATHO 2735	tmnkosi@nwpg.gov.za
DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES					
Mrs	Collett	Anneliza		Private Bag X120 PRETORIA 0001	annelizac@nda.agric.za
Ms	Buthelezi	Thoko	Directorate Land Use and	Private Bag X120 PRETORIA 0001	ThokoB@nda.agric.za
Ms	Marubini	Mashudu	Assistant Director	Private Bag X120 PRETORIA 0001	mashuduma@daff.gov.za

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
DEPARTMENT OF MINERAL RESOURCES (DMR)					
Mr	Swart	Pieter		Private bag a1 KLERKSDORP 2570	Pieter.Swart@dmr.gov.za
SANRAL					
	Oliver	Jan	Statutory Control Section	Private Bag X17 Lynnwood Ridge 0040	oliverj@nra.co.za
Mr	Dyers	Shaun	Manager: Statutory Control	Private Bag X19 BELLVILLE 7535	Dyerss@nra.co.za
Ms	Bota	Victoria			BotaV@nra.co.za
NORTH WEST DEPARTMENT OF ROADS AND TRANSPORT					
Mr	Thamae	M	Head of Department	Private Bag x2080 MMABATHO 2735	
Mr	Mafune			Private Bag x2080 MMABATHO 2735	
SAHRA: HEAD OFFICE					
Ms	Higgitt	Natasha	Heritage Officer: Archaeology, Palaeontology and Meteorites Unit	PO Box 4637 CAPE TOWN 8000	nhiggitt@sahra.org.za
	Khumalo	Nokukhanya	Heritage Officer	PO Box 4637 CAPE TOWN 8000	nkhumalo@sahra.or.za
ESKOM					
Mr	Geeringh	John	Chief Planner	PO Box 1091 JOHANNESBURG 2000	GeerinJH@eskom.co.za
SA CIVIL AVIATION AUTHORITY (SA CAA)					
Mr	Roberts	Harry		Private Bag X73 HALFWAY HOUSE 1685	Robertsh@caa.za
Ms	Stoh	Lizell	Obstacle Specialist	Private Bag X73 HALFWAY HOUSE 1685	strohl@caa.co.za
AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)					
Ms	Morobane	Johanna	Manager: Corporate Sustainability and Environment	Private Bag X15 KEMPTON PARK 1620	JohannaM@atns.co.za
Mr	Masilela	Simphiwe	Obstacle Evaluator		SimphiweM@atns.co.za
TRANSNET FREIGHT RAIL					
Mr	Fiff	Sam	Environmental Manager: F	PO Box 255 BLOEMFONTEIN 9300	sam.fiff@transnet.net

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SENTECH					
Mr	Koegelenberg	Johan	Renewable Projects	Private Bag X06 Honeydew 2040	koegelenbergj@sentech.co.za
TELKOM					
Ms	van Zyl-Swart	Annette	Planner	PO Box 1025, Klerksdorp 2570	vzyla7@telkom.co.za
ENDANGERED WILDLIFE TRUST					
Mr	Leeuwner	Lourens	Renewable Energy Project	The Endangered Wildlife Trust, 86 Capricorn Drive, Capricorn Business Park Muizenberg CAPE TOWN	lourensl@ewt.org.za
WESSA					
Mr	Griffiths	Morgan	Environmental Governance Programme Manager	PO Box 12444 Central Hill Port Elizabeth 6006	morgan.griffiths@wessa.co.za info@wessa.co.za wessanc@yahoo.com
BIRDLIFE SOUTH AFRICA					
Mr	Gear	Simon	Policy and Advocacy Mana	PO Box 515 RANDBURG 2125	advocacy@birdlife.org.za
SQUARE KILOMETRE ARRAY					
Dr	Tiplady	Adriaan	Manager: Site Categorisati	PO Box 522 SAXONWOLD 2132	atiplady@ska.ac.za
DEPARTMENT OF ENVIRONMENTAL AFFAIRS BIODIVERSITY					
Mr	Lekota	Seoka		Private Bag X447 Pretoria 0001	slekota@environment.gov.za
Ms	Rabothata	Mmatlala		Private Bag X447 Pretoria 0001	slekotamrabothata@environment.gov.za

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_____	_____	23 MAR 2017 
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<p>Ms Nono Dince _____</p> <p>Ms Lehlohonolo March _____</p> <p>Communication Manager _____</p> <p>Ngaka Modiri Molema District Municipality _____</p> <p>Private Bag X2165 _____</p> <p>MAHIKENG _____</p> <p>2765 _____</p>		<p>S.A. POST OFFICE LTD</p> <p>S.A. POST OFFICE LTD</p> <p>BRANCH 23</p> <p>23 MAR 2017</p> <p>RIVONIA</p> <p>S.A. POST OFFICE LTD</p>
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Addressed To:		Post Office Stamp:
<p>Ms Mafu Nkosi _____</p> <p>North West Dept of Rural, Environmen _____</p> <p>Private Bag X2039 _____</p> <p>MMABATHO _____</p> <p>2735 _____</p>		<p>S.A. POST OFFICE LTD</p> <p>BRANCH MANAGER</p> <p>23 MAR 2017</p> <p>RIVONIA 2128</p> <p>S.A. POST OFFICE LTD</p>
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Addressed To:		Post Office Stamp:
<p>Mr Jan Olivier _____</p> <p>Statutory Control Section _____</p> <p>SA National Road Agency SOC Limite _____</p> <p>Private Bag X17 _____</p> <p>LYNNWOOD RIDGE _____</p> <p>0040 _____</p>		<p>S.A. POST OFFICE LTD</p> <p>BRANCH MANAGER</p> <p>23 MAR 2017</p> <p>RIVONIA 2128</p> <p>S.A. POST OFFICE LTD</p>
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Addressed To:		Post Office Stamp:
—	Dr Adriaan Tiplady	S.A. POST OFFICE LTD
—	Manager: Site Categorisation	BRANCH MANAGER
—	Square Kilometre Array	23 MAR 2017 
—	PO Box 522940	RIVONIA 2128
—	SAXONWOLD	S.A. POST OFFICE LTD
—	2132	Tracking Number:


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Addressed To:		Post Office Stamp:
—	Mr Morgan Griffiths	S.A. POST OFFICE LTD
—	Conservation Officer	BRANCH MANAGER
—	WESSA: National	23 MAR 2017 
—	PO Box 12444	RIVONIA 2128
—	Central Hill	S.A. POST OFFICE LTD
—	PORT ELIZABETH	Tracking Number:
—	6006	


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Addressed To:		Post Office Stamp:
—	Mr Simon Gear	S.A. POST OFFICE LTD
—	Policy & Advocacy Manager	BRANCH MANAGER
—	Birdlife South Africa	23 MAR 2017 
—	Private Bag X5000	RIVONIA 2128
—	Parklands	S.A. POST OFFICE LTD
—	2121	Tracking Number:


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Addressed To:		Post Office Stamp
—	Ms Rabothata	S.A. POST OFFICE LTD
—	Mr Seoka Lekota	BRANCH MANAGER
—	Department of Environmental Affairs	23 MAR 2017
—	Private Bag X447	RIVONIA 2128
—	PRETORIA	S.A. POST OFFICE LTD
—	0001	
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—		S.A. POST OFFICE LTD
—	Mr John Geeringh	BRANCH MANAGER
—	Chief Planner	23 MAR 2017
—	Eskom: Transmission	RIVONIA 2128
—	PO Box 1091	S.A. POST OFFICE LTD
—	JOHANNESBURG	
—	2000	
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—	Mr M Thamae	BRANCH MANAGER
—	North West Department of Roads and	23 MAR 2017
—	Private Bag X2080	RIVONIA 2128
—	MMABATHO	S.A. POST OFFICE LTD
—	2735	
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Addressed To:		Post Office Stamp:
<p>MS D MAHLELA Mr L Bogopa Ms SM Matsheka North West DWS Pvt Bag X5 MMABATHO 2735</p>		<p>S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128</p>
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Addressed To:		Post Office Stamp:
<p>Ms Victoria Bota Mr Shaun Dyers Manager: Statutory Control SANRAL Western Region Private Bag X19 BELLVILLE 7535</p>		<p>S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128</p>
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Addressed To:		Post Office Stamp:
<p>Ms Annette Van Zyl-Swart Telkom SA SOC Limited PO Box 1025 Klerksdorp 2570</p>		<p>S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128</p>
		Tracking Number:


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<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> Ms Annelize Collett <hr/> Ms Thoko Buthelezi <hr/> Ms Mashudu Marubini Delegate of the Minister DAFF Provincial Department Private Bag X120 PRETORIA 0001		Post Office Stamp: S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017 RIVONIA 2128 S.A. POST OFFICE LTD
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13303
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> Mr Pieter Swart Department of Mineral Resources Private Bag A 1 KLERKSDORP 2570		Post Office Stamp: S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017 RIVONIA 2128 S.A. POST OFFICE LTD
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
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<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> Mr Lourens Leeuwner Renewable Energy Project Manager EWT 86 Capricorn Drive, Capricorn Business Park, Muizenberg CAPE TOWN		Post Office Stamp: S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017 RIVONIA 2128 S.A. POST OFFICE LTD
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Addressed To:		Post Office Stamp:
Ti	Mr Tebogo Sethosa Ms Matshediso Mahlaku North West Department of Energy Pvt Bag X2075 MMABATHO 2745	S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128 S.A. POST OFFICE LTD
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Addressed To:		Post Office Stamp:
	Ms Lizell Stroh Mr Harry Roberts SA CAA Private Bag X73 HALFWAY HOUSE 1685	S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128 S.A. POST OFFICE LTD
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Addressed To:		Post Office Stamp:
	Mr Johan Koegelenberg Renewable Projects SENTECH Private Bag X06 HONEYDEW 2040	S.A. POST OFFICE LTD BRANCH MANAGER 23 MAR 2017  RIVONIA 2128 S.A. POST OFFICE LTD
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DRAFT BASIC ASSESSMENT PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 132KV SUBSTATION AND POWER LINE NEAR LICHTENBURG, NORTH WEST PROVINCE			
FINAL BASIC ASSESSMENT REPORT			
June 2017			
First Name	Last Name	Company	Department
Marlaine	Andersen	Leads 2 Business	
Lerato	April	Department of Energy	Directorate: Renewable Energy Initiatives
Carmen	Barends	Leads 2 Business	
L	Bogopa	North West DWS	
Victoria	Bota	SANRAL	
Steven	Bothoko	Ditsobola Local Municipality	
Thoko	Buthelezi	Dept of Agriculture, Forestry & Fisheries	Directorate Land Use and Soil Management
Anneliza	Collett	Dept of Agriculture, Forestry & Fisheries	
Nono	Dince	Ngaka Modiri Molema District Municipality	
Tsholofelo	Dintwe	NW Dept of Rural, Environment and Agricultural	
Shaun	Dyers	SANRAL Western Region	
Neil	Faber		
Sam	Fiff	Transnet Freight Rail (Jhb)	
Simon	Gear	Birdlife South Africa	
John	Geeringh	Eskom: Transmission	GC Land Development
Gysbert	Goedhals	Landowner: Talene 3	
Morgan	Griffiths	WEESA: National	
Ferdinand	Hartzenberg	Kleinuitschot Boerdery	
Mark	Hechter	Landowner: Talene 1	
J	Hechter	Landowner: Talenehoewe 1	
Natasha	Higgitt	South African Heritage Resources Agency	Archaeology, Palaeontology and Meteorites Unit
Lesego	Holele	Ditsobola Local Municipality	
Nokukhanya	Khumalo	SAHRA	
Johan	Koegelenberg	SENTECH	Renewable Projects
Eric	Landsman	Ngaka Modiri Molema District Municipality	
Lourens	Leeuwner	EWT	
Seoka	Lekota	Department of Environmental Affairs	Biodiversity
Mamokete	Mafume	Eskom Transmission	Land Development
Alfred	Mafune	NW Department of Roads and Transport	
Matshediso	Mahlaku	North West Department of Energy	
Phuti	Mahloko	North West Parks Board	
Pogiso	Maitshotlo	Ditsobola Local Municipality	
Tshepo Justice	Makolomakwa	Ngaka Modiri Molema District Municipality	
Christo	Marais	Department of Environmental Affairs	
Lehlohonolo	March	Ngaka Modiri Molema District Municipality	
Mashudu	Marubini	DAFF Provincial Department	
Simphiwe	Masilela	Air Traffic Navigation Services	
Pheladi	Masipa	Department of Energy	
SM	Matsheka	North West DWS	
Ntanganedzeni	Maumela	Department of Agriculture, Forestry & Fisheries	Human Biology
Abe	Metswamere	Ngaka Modiri Molema District Municipality	
M W	Moholatsi	Ngaka Modiri molema District Municipality	
J	Molefe	Ditsobotla Local Municipality	
Johanna	Morobane	Air Traffic Navigation Services	Corporate Sustainability and Environment
JH	Nel	Landowner: Houthaalbomen	
Mafu	Nkosi	North West Dept of Rural, Environment and Agricultural	
Chris	Nthaudi	Telkom SA SOC Limited	
Jan	Oliver	SANRAL	
Jan	Olivier	SA National Road Agency SOC Limited	
Mpho	Phiri	Ngaka Modiri Molema District	
G	Pieterse	Landowner: Houthaalbomen	
Mmatlala	Rabothata	Department of Environmental Affairs	Biodiversity
Mabule	Remodike	DAFF	
Harry	Roberts	SA CAA	
Godfrey	Samore	Community Police Forum / LIBRARIAN	
Yoliswa	Sechoaro	Ngaka Modiri Molema District Municipality	
Tebogo	Sethosa	North West Department of Energy	
Jan	Steunman	Landowner: Lichtenburg Farm and Townlands 27 Portion 10	
Mariette	Steynberg		
Lizell	Stroh	SA Civil Aviation Authority	
Pieter	Swart	Department of Mineral Resources	
M	Thamae	North West Department of Roads and Transport	
Claire	Threadingham	Leads 2 Business	
Adriaan	Tiplady	Square Kilometre Array	
Andries	Van Rooyen		
Annette	Van Zyl-Swart	Telkom SA SOC Limited	
Anna	Variwa	Landowner: Talene 4	
Kobus	Visser	Agri SA	
Fasel	Wariyawu	Talene Landbouhoewe	
Wessel	Wessels	Landowner: Houthaalboomen 31, Ptns 3, 4, 5, 6, 7	
KRJ	Zandamela	Ditsobotla Local Municipality	

Andrea Gibb

From: Carmen Barends <carmenb@l2b.co.za>
Sent: Friday, 24 February 2017 12:29 PM
To: Hlengiwe Ntuli; Andrea Gibb
Subject: Tlisitseng Solar 1 & 2 and Powerlines

Hello Hlengiwe,

I hope you are well.

Please could you advise whether the amended EA has been approved as yet?

Thank you kindly.

--

Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

Leads 2 Business (www.L2B.co.za)

Tel: 033 343 1130 or 0860 836337 (0860 TENDER)

Fax: 033 343 5882

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Andrea Gibb

From: Andrea Gibb
Sent: Monday, 27 February 2017 10:02 AM
To: Carmen Barends
Cc: Hlengiwe Ntuli
Subject: RE: Tlisitseng Solar 1 & 2 and Powerlines

Importance: High

Follow Up Flag: Follow up
Flag Status: Completed

Hi Carmen

The process is still underway. The Final Scoping Reports for the solar facilities were accepted by the DEA and the Draft Environmental Impact Assessment Reports and Draft Basic Assessment Reports for the power lines will be released for public review in March 2017. You will be notified accordingly once the reports are available for review.

Kind Regards

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272 **cell** +27 72 587 6525
email andrea@sivest.co.za **website** www.sivest.co.za



Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

From: Carmen Barends [mailto:carmenb@l2b.co.za]
Sent: Friday, 24 February 2017 12:29 PM
To: Hlengiwe Ntuli <HlengiweN@sivest.co.za>; Andrea Gibb <AndreaG@sivest.co.za>
Subject: Tlisitseng Solar 1 & 2 and Powerlines

Hello Hlengiwe,

I hope you are well.

Please could you advise whether the amended EA has been approved as yet?

Thank you kindly.

--

Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

Leads 2 Business (www.L2B.co.za)

Tel: 033 343 1130 or 0860 836337 (0860 TENDER)

Fax: 033 343 5882

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Andrea Gibb

From: Andrea Gibb
Sent: Wednesday, 08 March 2017 2:36 PM
To: 'Gys Goedhals'
Subject: 13303: Tlitseng Power Line Maps
Attachments: A3_13303_T1PL_RouteOverview_Reduced.jpg; A3_13303_T2PL_RouteOverview_Reduced.jpg

Hi Gys

As per your request, attached are the maps showing the power line assessment corridors in relation to the neighbouring farms. As indicated the corridors have been adjusted so that they do not traverse the neighbouring Talene Farms.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)

Environmental Practitioner and Visual Specialist

SiVEST Environmental Division



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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

Andrea Gibb

From: Andrea Gibb
Sent: Wednesday, 08 March 2017 9:59 AM
To: 'Jan Oliver (NR)'
Subject: RE: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter

Hi Jan

Apologies, we omitted to attach the maps. We will be resending everything this morning.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



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Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272 **cell** +27 72 587 6525
email andrea@sivest.co.za **website** www.sivest.co.za



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From: Jan Oliver (NR) [mailto:OliverJ@nra.co.za]
Sent: Wednesday, 08 March 2017 9:15 AM
To: Andrea Gibb <AndreaG@sivest.co.za>
Subject: FW: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter

Dear Andrea Gibb

Please email me the Site Layout Maps to see where the facilities are located. I cannot comment given the English and Afrikaans EIA Newsletter alone.

Best regards

Jan Oliver (SANRAL NR)
Tel: 012 426 6242 Fax: Mobile: 083 283 6083 Email: OliverJ@nra.co.za



From: sivest_PPP [mailto:sivest_ppp@sivest.co.za]
Sent: 07 March 2017 03:23 PM
Cc: Andrea Gibb <AndreaG@sivest.co.za>; Veronique Evans <VeroniqueE@sivest.co.za>
Subject: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter

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Dear Stakeholders,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR LICHTENBURG, NORTH WEST PROVINCE

- TLISITSENG 1 DEA EIA REF. NO: 14/12/16/3/3/2/974
- TLISITSENG 2 DEA EIA REF. NO: 14/12/16/3/3/2/975

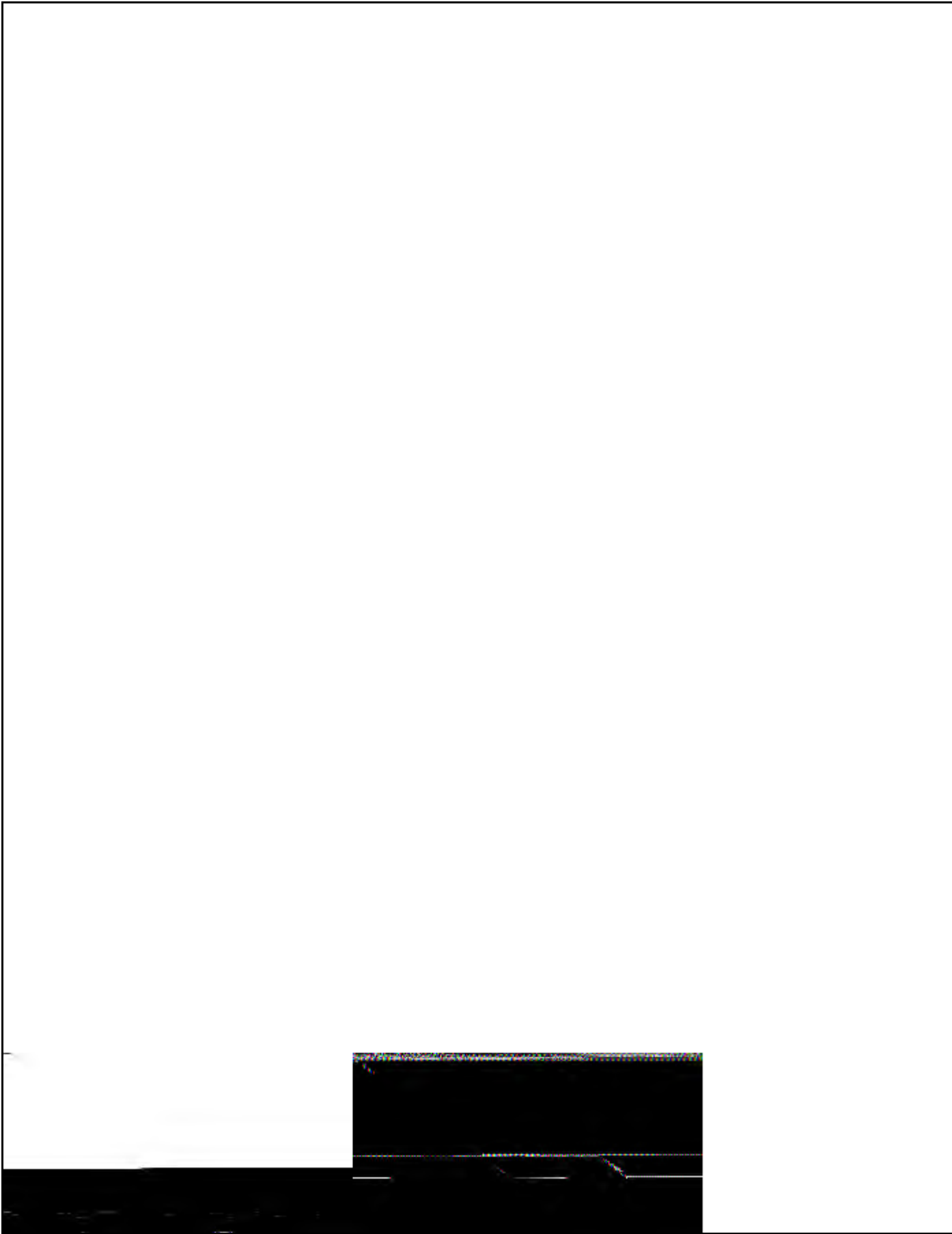
We would like to take this opportunity to inform you that the Department of Environmental Affairs has accepted the Final Scoping Report (FSR) and approved the Plan of Study for the Environmental Impact Phase of the above mentioned projects.

Attached is the English and Afrikaans EIA Newsletter and Site Layout Maps for your information.

Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division





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Andrea Gibb

From: Andrea Gibb
Sent: Wednesday, 08 March 2017 8:52 PM
To: 'Jan Oliver (NR)'
Cc: Veronique Evans; Hlengiwe Ntuli
Subject: RE: Subject: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter
Attachments: A3_13303_T_Project1_SiteLocality_Reduced.jpg; A3_13303_T_Project2_SiteLocality_Reduced.jpg

Hi Jan

Attached are the site locality maps for the two proposed solar PV energy facilities.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



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Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

From: Jan Oliver (NR) [mailto:OliverJ@nra.co.za]
Sent: Wednesday, 08 March 2017 1:46 PM
To: sivest_PPP <sivest_ppp@sivest.co.za>
Cc: Veronique Evans <VeroniqueE@sivest.co.za>; Andrea Gibb <AndreaG@sivest.co.za>; Hlengiwe Ntuli <HlengiweN@sivest.co.za>
Subject: RE: Subject: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter

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Best regards

Jan Oliver (SANRAL NR)
Tel: 012 426 6242 Fax: Mobile: 083 283 6083 Email: OliverJ@nra.co.za



From: sivist_PPP [mailto:sivist_ppp@sivist.co.za]

Sent: 08 March 2017 01:15 PM

Cc: Veronique Evans <VeroniqueE@sivist.co.za>; Andrea Gibb <AndreaG@sivist.co.za>; Hlengiwe Ntuli <HlengiweN@sivist.co.za>

Subject: Subject: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: EIA Newsletter

Importance: High

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Dear Stakeholders,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR LICHTENBURG, NORTH WEST PROVINCE

- TLISITSENG 1 DEA EIA REF. NO: 14/12/16/3/3/2/974
- TLISITSENG 2 DEA EIA REF. NO: 14/12/16/3/3/2/975

We would like to take this opportunity to inform you that the Department of Environmental Affairs has accepted the Final Scoping Report (FSR) and approved the Plan of Study for the Environmental Impact Phase of the above mentioned projects.

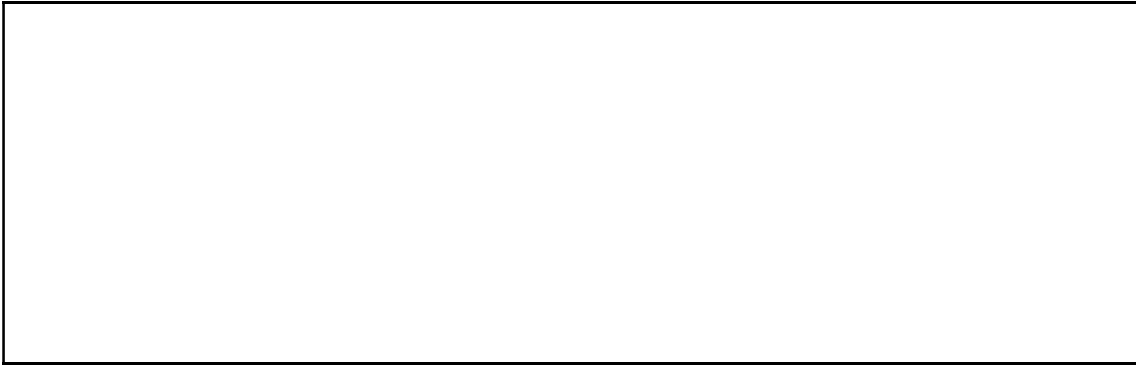
Attached is the English and Afrikaans EIA Newsletter and Site Layout Maps for your information.

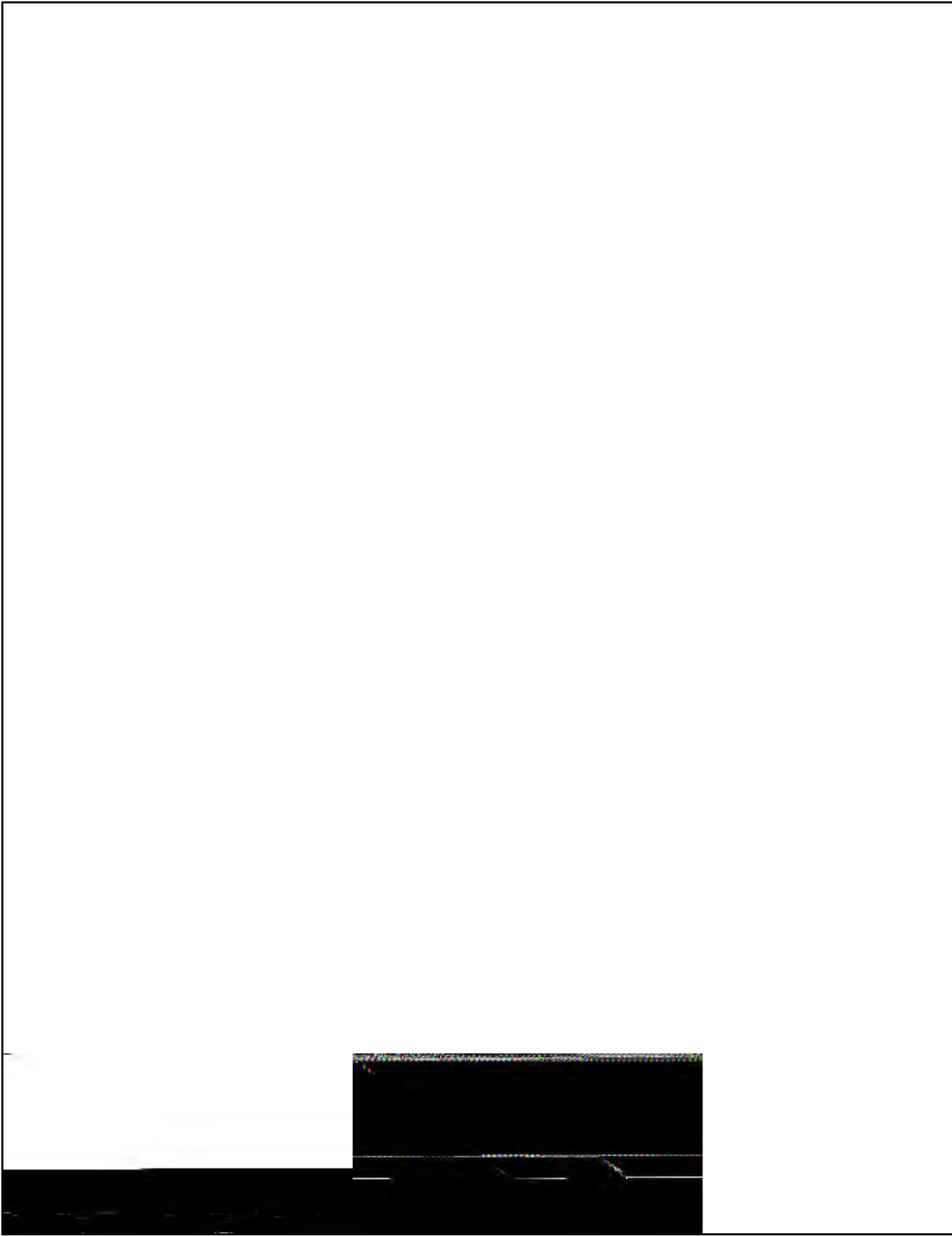




Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division





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agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X120, Pretoria (Tshwane), 0001
Delpen Building, C/o Annie Botha & Union Street, Riviera, 0084

From: Directorate Land Use and Soil Management
Tel: 012-319-7634 Fax: 012-329-5938 E-mail: ThokoB@daff.gov.za
Enquiries: Helpdesk Ref: 2016_05_0164

Sivest
P O Box 2921
RIVONIA
2128

Attention: Andrea Gibb

PROPOSED CONSTRUCTION OF TWO TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR LICHTENBURG ON PORTION 25 OF THE FARM HOUTHAALBOOMEN NO. 31, NORTH WEST PROVINCE

Your letter bearing reference 13303-Tlisitseng dated 23 May 2016.

The Department herewith informs you that in terms of Section 4 of Act 70 of 1970, it still does not support the development of two Photovoltaic Solar Energy Facility on a portion measuring approximately 137 hectares and 234 hectares. As was mentioned in the previous letter dated 28 July 2016 the proposed project will affect the cultivation in the area. The Department noted that the layout plans in the draft scoping report shows that the area of the pivots will be affected. The proposal will therefore have a negative influence on the agricultural activities taking place on the property.

This is an agricultural land which can still be used for agricultural purposes with a clear agricultural character which must be preserved for food production. This will consequently set a precedent for future applications in the area that will compromise agricultural production. It is advised that an alternative site be considered for the proposed development.

It is trusted that you will find the above in order.

Yours faithfully

DR M.P. RAMPEDI
DEPUTY DIRECTOR-GENERAL:
FORESTRY AND NATURAL RESOURCES MANAGEMENT
DELEGATE OF THE MINISTER
DATE: 10-03-2017

Andrea Gibb

Subject: FW: Tlisitseng 1 & 2 Powerlines

From: Carmen Barends [<mailto:carmenb@l2b.co.za>]

Sent: 22 March 2017 02:46 PM

To: Hlengiwe Ntuli <HlengiweN@sivest.co.za>

Subject: Tlisitseng 1 & 2 Powerlines

Good day Hlengiwe,

I hope you are well.

Please could you advise whether the draft EIA and BAR have been released as yet for public review?

Thank you kindly.

--

Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

Leads 2 Business (www.L2B.co.za)

Tel: 033 343 1130 or 0860 836337 (0860 TENDER)

Fax: 033 343 5882

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Andrea Gibb

From: Andrea Gibb
Sent: Friday, 24 March 2017 1:01 PM
To: 'Carmen Barends'
Cc: Hlengiwe Ntuli; Veronique Evans
Subject: RE: Tlisitseng 1 & 2 Powerlines

Good day Carmen

Please note that the DEIARs for the Tlisitseng 1 and 2 Solar PV Energy Facilities is available for review until Monday 10 April 2017. The DBARs for the Power Lines and Substations will be made available for review from today Friday 24 March 2017 until Tuesday 25 April 2017.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)
Environmental Practitioner and Visual Specialist
SiVEST Environmental Division



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Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

From: Hlengiwe Ntuli
Sent: Wednesday, 22 March 2017 2:58 PM
To: Veronique Evans <VeroniqueE@sivest.co.za>; Andrea Gibb <AndreaG@sivest.co.za>
Subject: FW: Tlisitseng 1 & 2 Powerlines

FYA

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
SiVEST Environmental Division



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email hlengiwen@sivest.co.za **website** www.sivest.co.za



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Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Port Louis (Mauritius)

From: Carmen Barends [<mailto:carmenb@l2b.co.za>]
Sent: 22 March 2017 02:46 PM

To: Hlengiwe Ntuli <HlengiweN@sivest.co.za>

Subject: Tlitsiseng 1 & 2 Powerlines

Good day Hlengiwe,

I hope you are well.

Please could you advise whether the draft EIA and BAR have been released as yet for public review?

Thank you kindly.

--

Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

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Andrea Gibb

From: Carmen Barends <carmenb@l2b.co.za>
Sent: Monday, 27 March 2017 8:09 AM
To: Andrea Gibb
Subject: Re: Tlisitseng 1 & 2 Powerlines

Thank you Andrea. Are they online for download?

Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

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Good day Carmen

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Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)

Environmental Practitioner and Visual Specialist

SiVEST Environmental Division



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From: Hlengiwe Ntuli

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To: Veronique Evans <VeroniqueE@sivest.co.za>; Andrea Gibb <AndreaG@sivest.co.za>

Subject: FW: Tlisitseng 1 & 2 Powerlines

FYA

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator

SiVEST Environmental Division



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From: Carmen Barends [<mailto:carmenb@l2b.co.za>]

Sent: 22 March 2017 02:46 PM

To: Hlengiwe Ntuli <HlengiweN@sivest.co.za>

Subject: Tlisitseng 1 & 2 Powerlines

Good day Hlengiwe,

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Thank you kindly.

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Kind Regards,

Carmen Barends
Regional Content Researcher
Private Projects

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Andrea Gibb

From: Andrea Gibb
Sent: Monday, 27 March 2017 10:05 AM
To: 'Carmen Barends'
Cc: Veronique Evans
Subject: RE: Tlisitseng 1 & 2 Powerlines

Hi Carmen

The documents can be downloaded from our website (<http://www.sivest.co.za/>) from the following two folders:

- **13303 Tlisitseng PV Energy Development**
- **13303 Tlisitseng Substations and Power Lines**

Please note that we were unable to start the comment period for the Tlisitseng Power Lines and Substations on 24 March 2017 as planned due to the Information Desk at the Department of Environmental Affairs being closed. As such, the comment period has been extended and the DBARs will be made available for review from Monday 27 March 2017 until Tuesday 2 May 2017.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)

Environmental Practitioner and Visual Specialist

SiVEST Environmental Division



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Sent: Monday, 27 March 2017 8:09 AM
To: Andrea Gibb <AndreaG@sivest.co.za>
Subject: Re: Tlisitseng 1 & 2 Powerlines

Thank you Andrea. Are they online for download?

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Sent: Friday, March 24, 2017 1:01PM
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Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)
Environmental Practitioner and Visual Specialist
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From: Hlengiwe Ntuli
Sent: Wednesday, 22 March 2017 2:58 PM

To: Veronique Evans <VeroniqueE@sivest.co.za>; Andrea Gibb <AndreaG@sivest.co.za>
Subject: FW: Tlisitseng 1 & 2 Powerlines

FYA

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
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Subject: Tlisitseng 1 & 2 Powerlines

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Andrea Gibb

From: Andrea Gibb
Sent: Thursday, 13 April 2017 1:01 PM
To: 'ThokoB@daff.gov.za'
Cc: Veronique Evans; Sipehelele Dunga; 'Irene Bezuidenhout'
Subject: 13303 Tlisitseng Solar PV Energy Facilities
Attachments: 13303 Tlisitseng PV Letter to DAFF rev 1 13 April 2017 AG.pdf; Tlisitseng 1_Lichtenburg Sivest EIA DETAIL 13Mar2017.pdf; Tlisitseng 2_Lichtenburg Sivest EIA DETAIL 13Mar2017.pdf; A3_13303_T_Project1_HighSensitivity_Reduced.jpg; A3_13303_T_Project2_HighSensitivity_Reduced.jpg

Importance: High

Tracking:	Recipient	Delivery
	'ThokoB@daff.gov.za'	
	Veronique Evans	Delivered: 2017/04/13 1:01 PM
	Sipehelele Dunga	
	'Irene Bezuidenhout'	

Good day

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR LICHTENBURG, NORTH WEST PROVINCE (TLISITSENG 1 DEA EIA REF. NO: 14/12/16/3/3/2/974 AND TLISITSENG 2 DEA EIA REF. NO: 14/12/16/3/3/2/975)

With reference to your letter dated 10 March 2017, please find the attached response.

Kind Regards

Andrea Gibb (B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management)
Environmental Practitioner and Visual Specialist
SIVEST Environmental Division



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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

Veronique Evans

From: Adrian Tiplady <atiplady@ska.ac.za>
Sent: Tuesday, 23 May 2017 11:16 AM
To: sivest_PPP
Cc: Andrea Gibb; Veronique Evans; Tshegofatso Monama
Subject: Re: 13303 Two Proposed Tlisitseng Solar PV Energy Facilities: FEIARs submitted to DEA

Hi,

This is to confirm that we have no comments on this proposed project.

Regards,

Adrian

On 21/04/2017 3:45 PM, sivest_PPP wrote:

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account. *******

Dear Stakeholders,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED CONSTRUCTION OF THE TLISITSENG 1 AND TLISITSENG 2 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR LICHTENBURG, NORTH WEST PROVINCE (TLISITSENG 1 DEA EIA REF. NO: 14/12/16/3/3/2/974; TLISITSENG 2 DEA EIA REF. NO: 14/12/16/3/3/2/975)

- **SUBMISSION OF FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORTS**

Following the public comment and review period of the Draft Environmental Impact Assessment Reports (DEIARs) from **Thursday 09 March 2017** to **Monday 10 April 2017** (end of business day) the DEIARs were updated, taking into consideration the issues and concerns raised by stakeholders, and the Final Environmental Impact Assessment Reports (FEIARs) were submitted to the Department of Environmental Affairs (DEA) on **Friday 21 April 2017**.

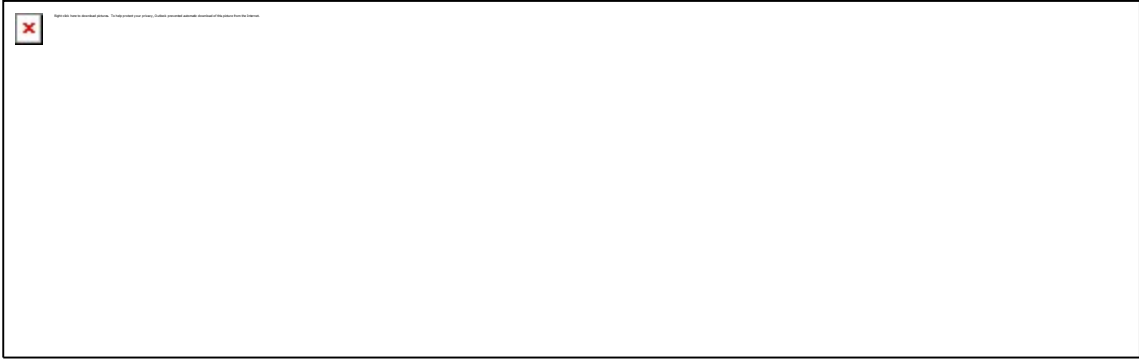
The reports are available on SiVEST's website: <http://www.sivest.co.za/>, then browse to the folder '13303 Tlisitseng PV Energy Development'.

Attached is an English and Afrikaans letter notifying you of the submission.

We would like to thank you for your active and meaningful contribution to the EIA and Public Participation Process.

Kind Regards,

Andrea Gibb (*B.Sc. Landscape Architecture; B.Sc.(Hons) Environmental Management*)
Environmental Practitioner and Visual Specialist
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--

Dr. Adrian Tiplady
SKA South Africa
Johannesburg
+27 11 442 2434
+27 72 372 0134
www.ska.ac.za

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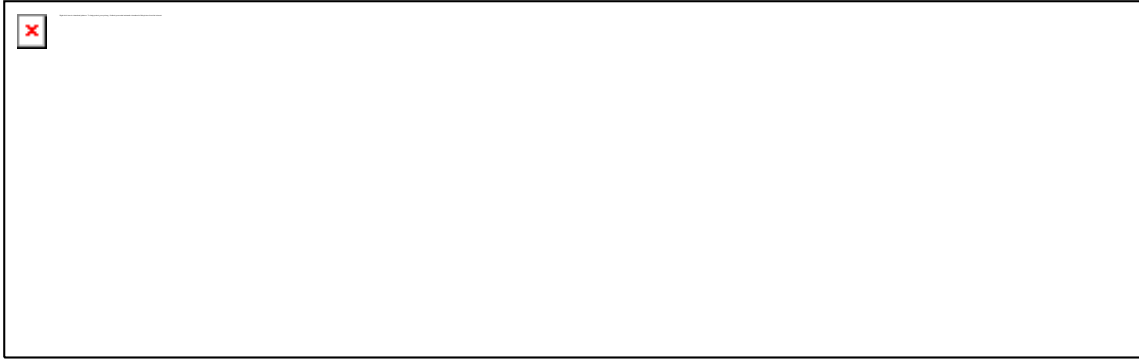
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--

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BioTherm Energy (Pty) Ltd
Building 1, Ground Floor
Leslie Ave East
The Design Quarter District, Four ways
Gauteng, South Africa
P O Box 69408, Bryans ton, 2021
Tel: +27 11 367 4600
Fax: +27 11 367 4601
www.biothermenergy.com
Registration Number: 2003/020443/07
VAT Registration Number: 4620220261

MEETING MINUTES

Purpose: Tlisitseng 2x75MW Solar PV Development
Date: 11 October 2016
Time: 10:15-11:00
Venue: C/o Annie Botha & Union Street, Riveria

Attendees:

Siphelele Dunga- BioTherm Energy
Irene Bezuidenhout- BioTherm Energy
Tonderai Munthumbira- BioTherm Energy
Mabule Ramodike- Department of Agriculture, Forestry and Fisheries

MATTERS ARISING

1. WELCOME AND INTRODUCTIONS

- 1.1 Mabule Ramodike ("Mabule") welcomed BioTherm Energy to the DAFF Offices.
- 1.2 A round of introductions was done including:
 - BioTherm Energy Proprietary Limited ("BioTherm")- Siphelele Dunga, Irene Bezuidenhout and Tonderai Munthumbira
 - Department of Agriculture, Forestry and Fisheries ("DAFF")- Mabule Ramodike

2. PROJECT CONCERNS

- 2.1 Mabule noted that the proposed Tlisitseng development lies within an area of high agricultural potential with a land capability of III.

3. DISCUSSION

- 3.1 Mabule noted that in terms of categorising land, the Department looks at the potential of the land for agricultural production. The character of the surrounding land is also looked at.
- 3.2 Mabule enquired whether BioTherm had looked at other development areas in the area which had less agricultural potential. BioTherm advised that they

have but the chosen area is the best for development as it is closer to the Eskom point of connection and has not been signed up by other parties. The site also has the best solar irradiance in the area and will be the best for development.

- 3.3 Mabule also noted that the Department does soil sampling in order to look for potential for agricultural production.
- 3.4 It was further noted that in future, BioTherm should submit the details of the property they intend to develop to the Department before doing any development work on the land.
 - With their submission, BioTherm should attach title deeds or/and a power of attorney to the Department.
- 3.5 The Department is revising their criteria for agricultural land use and it will be divided into fifteen (15) land capability Classes from the current eight (8) zones.
 - The current zones are ranked from one (1) having the most agricultural potential to 8 having the least agricultural potential.
- 3.6 The BioTherm development falls within the a land capability zone of three.

4. WAY FORWARD

- 4.1 The Department noted that it would prefer BioTherm utilising an area with less agricultural potential.
 - 4.2 BioTherm proposed to look at other layout alternatives within the proposed development area.
 - 4.3 BioTherm would also decrease the size of the BioTherm development from 2x75MW to 1x75MW in order to have less impact on the agricultural land.
 - 4.4 BioTherm proposed to come up with a rehabilitation plan for the development which will minimise the impacts to agricultural land.
-



SiVEST Environmental (Pty) Ltd

Contact: Lynsey Rimbault

Address: PO Box 2921
51 Wessels Road
Rivonia 2128

Tel: 011 798 0600

Fax: 011 803 7272

E-mail: lynseyr@sivest.co.za

**Environmental Impact Assessments (EIA)
for the Two Tlisitseng Solar Photovoltaic
(PV) Energy Facilities, and Basic
Assessments for the Associated
Substations and Power Lines, near
Lichtenburg, North West Province**

**Feedback of the
Focus Group Meeting (FGM)**

Authorities

**Held on
Monday 14 March 2016 at 14h00**

**Municipality Library, Civic Centre, Cnr Nelson Mandela
and Transvaal Streets.**

North West Province

FOCUS GROUP MEETING

Venue: Municipality Library, Civic Centre, Cnr Nelson Mandela and Transvaal Streets, Lichtenburg
Date: Monday, 14 March 2016
Time: 14h00 – 15h00

Except for the representatives from SiVEST, Zitholele and BioTherm Energy, no one attended the Focus Group Meeting (FGM). A copy of the Attendance Record is attached as **Annexure A**. All relevant authorities were invited to the workshop in writing (email notification, **Appendix C**).

Due to the lack of attendees nothing was presented at the meeting, however, a copy of the presentation (as prepared) is attached as **Annexure B**.

Annexure A

ATTENDANCE RECORD

TLISITSENG SOLAR PROJECTS: AUTHORITY FOCUS GROUP MEETING ATTENDANCE RECORD		
First Name	Last Name	Company
Irene	Bezuidenhout	BioTherm Energy
Siphelele	Dunga	BioTherm Energy
Thulani	Koom	BioTherm Energy
Daniel	Lowings	BioTherm Energy
Lynsey	Rimbault	SiVEST
Stephan	Jacobs	SiVEST
Nicolene	Venter	Zitholele Consulting

Annexure B

COPY OF PRESENTATION

ENVIRONMENTAL IMPACT ASSESSMENTS FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC ENERGY FACILITIES, AND BASIC ASSESSMENTS FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. No.: TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
 TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890
 TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
 TLISITSENG 2 SUBSTATION AND POWER LINE: To be confirmed

A PROFESSIONAL TEAM DELIVERING CREATIVE PROJECT SOLUTIONS

Consulting Engineers • Project Managers • Environmental Consultants • Town and Regional Planners

FOCUS GROUP MEETING

PRESENTATION DATE: 14 March 2016

1

AGENDA

SIVEST

- Welcome, introduction and apologies
- Purpose and conduct of meeting
- Background to the proposed development
- Environmental process followed and findings
- Discussion session
- Closure

2

PURPOSE OF MEETING

SIVEST

- To provide an overview of the proposed project
- To provide feedback on the findings as documented in EIA phase and BA specialist reports
- Provide an opportunity to raise comments and/or concerns regarding the proposed project
- To record comments, issues and concerns raised

3

PROJECT OVERVIEW

SIVEST

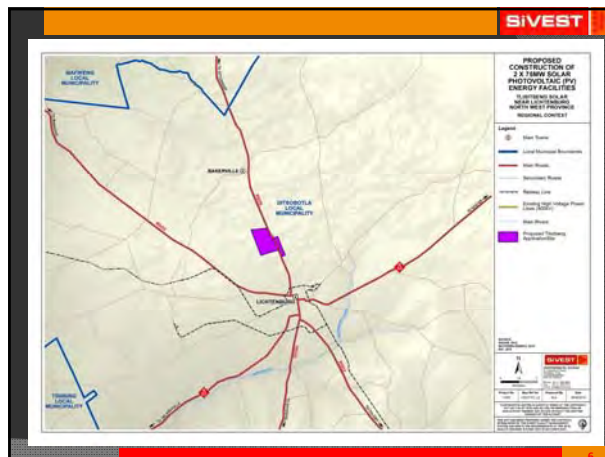
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PROJECT OVERVIEW

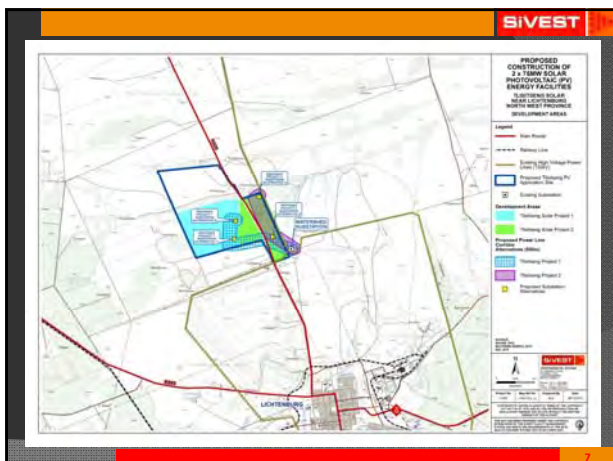
SIVEST

- **What does the proposed development entail?**
 - Construction of Tlisitseng 1 and Tlisitseng 2 Solar Photovoltaic (PV) energy facilities, each with a maximum generation capacity of 75MW.
 - Including associated infrastructure for each facility
 - New onsite substation
 - Access road upgrades
 - Construction laydown area
 - Admin and warehouse building
 - Tlisitseng 1 and Tlisitseng 2 substations and 132kV power lines to connect the proposed substation to the existing Watershed MTS
- **Why is the project being proposed?**
 - To generate electricity to feed into the national grid
 - Promote use of renewable energy
 - To help meet future energy consumption requirements

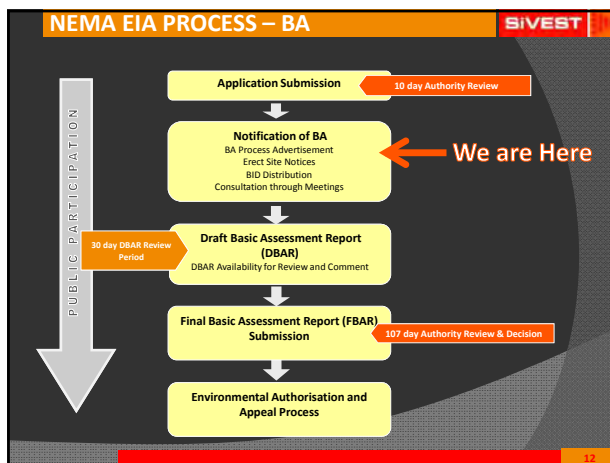
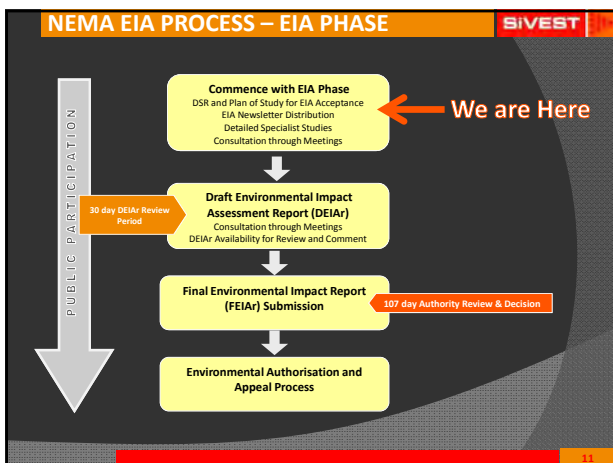
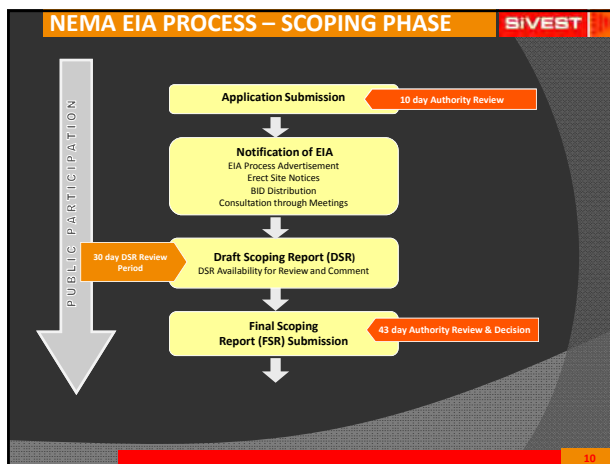
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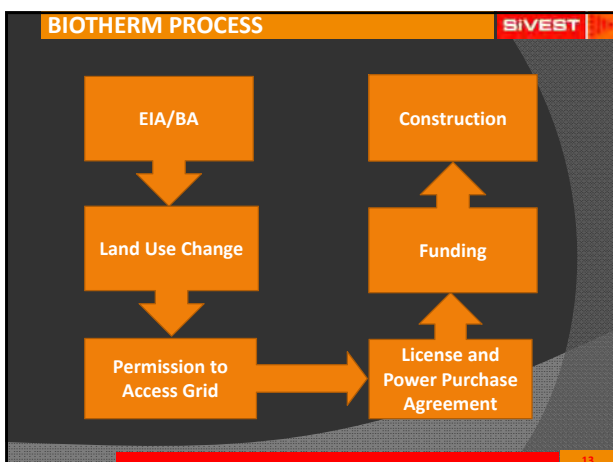


6



- ### PROJECT OVERVIEW
- Who is the independent EAP?**
 - SIVEST SA
 - Why undertake an EIA / BA?**
 - Legal requirement
 - Consider environmental impacts and mitigation measures
 - Provide stakeholders/I&APs the opportunity to participate
 - Who is the applicant?**
 - BioTherm Energy
 - Who is the decision-making authority?**
 - Department of Environmental Affairs (DEA)







ENVIRONMENTAL FINDINGS



- ### ENVIRONMENTAL FINDINGS
- EIA phase / BA underway
 - Rating of significance of impacts
 - Compliance with Equator Principles
 - Compliance with all National legislation
 - Comparative assessment of on site alternatives
 - Environmental Management Programme
 - Environmental aspects being assessed
 - Biodiversity (flora and fauna)
 - Avifauna
 - Surface Water
 - Soils and Agricultural Potential
 - Visual
 - Heritage and Palaeontology
 - Socio-economic

BIODIVERSITY

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • Vegetation (Carletonville Dolomite Grassland) is classified as Vulnerable, but has a wide distribution and extent, therefore considered to have moderately high conservation value • However, Provincial Biodiversity Conservation Assessment identifies Critical Biodiversity Areas and Ecological Support Areas → buffer areas for pans, and dolomite aquifer recharge zone. • Potential presence of: <ul style="list-style-type: none"> • 4 plant species of concern, the bulbs, <i>Boophone disticha</i> and <i>Crinum macowanii</i>, the succulent herb, <i>Brachystelma incanum</i>, and the herb, <i>Cleome conrathii</i>. • 1 protected plant species, <i>Harpagophytum procumbens</i>. • 3 protected tree species, <i>Acacia erioloba</i>, <i>Commersonia imberbe</i> and <i>Boscia albitrunca</i>. The tree <i>Acacia erioloba</i> occurs in large numbers on site. • Brown Hyaena, Honey badger, Southern African Hedgehog, White-tailed Rat, Giant Bullfrog. 			
Mitigation	Undertaking a botanical walk-through survey, search-and-rescue for any appropriate species, obtaining permits for any protected species.			
	 <p><i>Boophone disticha</i></p>		 <p><i>Acacia erioloba</i></p>	



Some issues related to the ecology of the site could result in potentially significant impacts but the seriousness of these impacts is not considered to be high.

AVIFAUNA



	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • The projects are located in the Grassland avifaunal endemic region which has the fourth highest number of endemic bird species in southern Africa. • An estimated 284 species could potentially occur at the core study area and immediate surroundings (including the Lichtenburg Game Breeding Centre and wetland areas south-east of the project). Of these, 21 are South African Red Data species, 12 are southern African endemics and 21 are near-endemics. • The application site should therefore be regarded as moderately sensitive. • Highly sensitive areas are: surface water (boreholes) and high voltage lines which are used for roosting by Cape and White-backed Vultures. • Beyond the core study area, high voltage lines, a vulture restaurant, and wetlands and dams are potential high sensitive areas 			
Mitigation	No fatal flaws identified thus far, and the proposed development could therefore be authorised, provided all proposed mitigation measures are implemented.			
	 <p>Northern Black Korhaan</p>		 <p>White-backed Vulture</p>	



Monitoring is ongoing and in depth statistical analyses will be performed on the full dataset after the monitoring has been completed.

SURFACE WATER

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • Vaal Primary Catchment (C31A quaternary catchment); Lower Vaal Water Management Area • Depression wetland on greater application site has small chance of being indirectly affected by the proposed development. 			
	No pan wetlands would be directly affected.	One depression wetland could be directly affected.	No pan wetlands would be directly affected.	One depression wetland could be directly affected.
Mitigation	Preventing loss of wetland habitat, increased run-off, erosion and sedimentation			
				

SOILS AND AGRICULTURAL POTENTIAL				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Soils in the vicinity of the project were generally shallow to very shallow, however, some areas of deeper red soils, which will have a higher agricultural potential, can also occur. The soils are reddish-brown to brown, and belong to the Mispah, Glenrosa and Hutton soil forms This part of North West is well suited for grazing but here the grazing capacity is relatively low, around 12 ha/large stock unit Despite the dominance of shallow soils in the area, areas of cultivation on the deeper soils can be seen in the vicinity, including various centre pivot fields. 			
	At one point red Hutton soil of approximately 1 000 mm deep was observed.	At several points, the soil was seen to be deep (>750 mm), but these points were generally isolated.	Although there are deeper soils in the vicinity there is no evidence of cultivation along the rest of the corridor.	Although there are deeper soils that were observed in places, there is no evidence of cultivation along the rest of the corridor
Mitigation	Due to low agricultural potential, little or no mitigation measures are required. The footprint of the development should be kept to a minimum, so that at least the effect on grazing land for livestock is reduced.			

VISUAL				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Study area has a natural visual character, with a rural or pastoral component. Not generally valued for its tourism significance and is rated as having a low visual sensitivity. The R505 main road is considered to be a visually sensitive road and the relatively high volumes of motorists would be visually exposed to the project. Several farmsteads are regarded as potentially sensitive visual receptors. 			
	One sensitive receptor is present in the study area, namely the Lichtenburg Game Breeding Centre. This visually sensitive receptor was used as a tourism facility.		Two sensitive receptors are present in the study area, namely the Game Breeding Centre and the Lichtenburg Vakansie Oord which is used as a tourism facility.	
Mitigation	Minimise vegetation clearing and rehabilitate cleared areas as soon as possible. Ensure that dust suppression techniques are implemented. Light fittings for security at night should reflect the light toward the ground and prevent light spill.			
	 <p style="text-align: center;">Low visual impact during construction, Medium visual impact during operation</p> 			

HERITAGE AND PALAEOLOGY				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Two Stone Age sites were found, both of low significance Five historical structures were located, the age of which has not been determined, most are likely older than 60 years. An informal cemetery of approx. 60 graves is located at the eastern side of the application site. Micro-stromatolites and possible sites with cave breccia have been identified. 		<ul style="list-style-type: none"> Two historical structures were located, and are not significant. Several arbitrary finds of dolomite and chert with significantly well-defined stromatolites as well as a few potential sites with either associated sinkholes or cave breccias were recorded. 	
Mitigation	Sensitive sites will require mitigation work, including destruction permits in terms of section 34 of the NHRA. A 50m buffer must be provided around the cemetery, alternatively a grave relocation process will need to occur			
	 <p style="text-align: center;">The overall impact on heritage resources is acceptable, mitigation measures address any impacts on heritage.</p> 			

SOCIO-ECONOMIC				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Positive and negative impacts → including skills development and employment creation, but also change in sense of place among others. The significance of the possible positive impacts of the proposed development outweighs the negative impacts. The project would generate positive socio-economic returns for the local economy and its community and should be considered for implementation The directly impacted land owner has indicated that alternative land can be acquired, to allow him to continue the current levels of agriculture production. 			
			Some land owners have objected due to the possible visual impact.	
Mitigation	<ul style="list-style-type: none"> Mitigation measures should be implemented to maximise the benefit to the local community. Care should be taken not to affect the supply of water extracted from boreholes on nearby farms. The issues of safety and livestock theft should be addressed. 			
			It is recommended that the corridor be shifted to remain within Portion 25 of Farm Houthaalboom 31.	

LAYOUT ALTERNATIVES

- Layout alternatives will be presented in the DEIARs and DBARs.
- Design to incorporate specialist findings and stakeholder input.

PUBLIC PARTICIPATION

25

PUBLIC PARTICIPATION – SCOPING PHASE

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Site Notices and Stakeholder Consultation
December 2015
- BID Comment Period
December 2015 – January 2016
- EIA Process Advertisement
January 2016
- DSR Availability
DSR Review Period: 11 January 2016 – 09 February 2016
- FSR Availability and Submission to DEA
February 2016

26

PUBLIC PARTICIPATION – EIA PHASE AND BA

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Environmental Meetings
14 March 2016
- DEA Acceptance of FSR and EIA Plan of Study
April 2016
- EIA Newsletter
April 2016
- DEIAr and DBAR Availability
April 2016
- FEIAr and FBAR Availability and Submission to DEA
June 2016
- Notify I&APs of EA and Appeal Process
September/October 2016

27

DISCUSSION

28

CONTACT DETAILS

SIVEST Environmental Division
PO Box 2921
Rivonia
2128

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Fax: (011) 803 7272
E-mail: lynseyr@sivest.co.za / nicolenev@zitholele.co.za
Website: www.sivest.co.za

29

WAY FORWARD

- Draft Minutes of Meeting
Distribute: 2 weeks after meeting
- DEIAr and DBAR Availability
Public Review: Envisaged April – May 2016 (30 Days) | Submit to DEA: Envisaged April 2016
- Submission of FEIAr and FBAR to DEA
Envisaged June 2016
- DEA Decision
Envisaged September/October 2016

30

Annexure C

PROOF OF NOTIFICATION

Hlengiwe Ntuli

From: Hlengiwe Ntuli
Sent: 07 March 2016 06:17 PM
To: Rebecca Thomas; Lynsey Rimbault; 'nicolenev@zitholele.co.za'
Cc: 'Kobus Visser'; 'Simpfiwe Masilela'; 'Johanna Morobane'; 'Simon Gear'; 'Godfrey Samore'; 'Mashudu Marubini'; 'Anneliza Collett'; 'Thoko Buthelezi'; 'Pheladi Masipa'; 'Lerato April'; 'Seoka Lekota'; 'Mmatlala Rabothata'; 'Pieter Swart'; 'Doris Maumela'; 'Lesego Holele'; 'Pogiso Maitshotlo'; 'J Molefe'; 'KRJ Zandamela'; 'John Geeringh'; 'Lourens Leeuwner'; 'Mpho Phiri'; 'M W Moholatsi'; 'Lehlohonolo March'; 'Nono Dince'; 'Yoliswa Sechoaro'; 'Alfred Mafune'; 'Matshediso Mahlaku'; 'Tebogo Sethosa'; 'Bonolo Mohlakoana'; 'SM Matsheka'; 'Lizell Stroh'; 'Harry Roberts'; 'J Oliver'; 'Shaun Dyers'; 'Johan Koegelenberg'; 'Chris Nthaudi'; 'Annette Van Zyl-Swart'; 'Sam Fiff'; 'Suzanne Erasmus'; 'Morgan Griffiths'
Subject: Tlisitseng PV Focus Group Meeting
Attachments: 13303 Tlisitseng Authority FGM Agenda_Rev 1_7March2016 RT.PDF; 13303 Tlisitseng Authority FGM Registration Form_Rev1_7March2016 RT.PDF

Tracking:	Recipient	Delivery	Read
	Rebecca Thomas	Delivered: 2016/03/07 06:17 PM	Read: 2016/03/08 09:32 AM
	Lynsey Rimbault	Delivered: 2016/03/07 06:17 PM	
	'nicolenev@zitholele.co.za'		
	'Kobus Visser'		
	'Simpfiwe Masilela'		
	'Johanna Morobane'		
	'Simon Gear'		
	'Godfrey Samore'		
	'Mashudu Marubini'		
	'Anneliza Collett'		
	'Thoko Buthelezi'		
	'Pheladi Masipa'		
	'Lerato April'		
	'Seoka Lekota'		
	'Mmatlala Rabothata'		
	'Pieter Swart'		
	'Doris Maumela'		
	'Lesego Holele'		
	'Pogiso Maitshotlo'		
	'J Molefe'		
	'KRJ Zandamela'		
	'John Geeringh'		
	'Lourens Leeuwner'		
	'Mpho Phiri'		
	'M W Moholatsi'		
	'Lehlohonolo March'		
	'Nono Dince'		
	'Yoliswa Sechoaro'		
	'Alfred Mafune'		

Recipient	Delivery	Read
'Matshediso Mahlaku'		
'Tebogo Sethosa'		
'Bonolo Mohlakoana'		
'SM Matsheka'		
'Lizell Stroh'		
'Harry Roberts'		
'J Oliver'		
'Shaun Dyers'		
'Johan Koegelenberg'		
'Chris Nthaudi'		
'Annette Van Zyl-Swart'		
'Sam Fiff'		
'Suzanne Erasmus'		
'Morgan Griffiths'		

***** Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account. *****

Dear Stakeholder,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BA) FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
 TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890 TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
 TLISITSENG 2 SUBSTATION AND POWER LINE: To be confirmed

• INVITATION TO FOCUS GROUP MEETING

This letter serves to cordially invite you to attend a Focus Group Meeting (FGM) that will be held on:

DATE: Monday, 14 March 2016

TIME: 14h00

VENUE: Auditorium of the Ditsobotla Local Municipality Library, Civic Centre, Cnr Nelson Mandela and Transvaal Streets, Lichtenburg

This FGM is part of the Environmental Impact Assessment (EIA) processes being undertaken by SiVEST for the above mentioned projects.

As stakeholder we would value your attendance at the FGM. The purpose of this FGM is to:

- ☐ provide feedback on the impact phase environmental findings;
- ☐ provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- ☐ provide the opportunity to raise any comments and/or concerns regarding this proposed project; and
- ☐ record your comments and/or concerns raised at the FGM.

To ensure that sufficient seating is provided at the venue, we kindly request that you complete the attached Registration Form and return it to the Public Participation team on or before Thursday, 10 March 2016.

Please also note that a Public Meeting is being held on the evening of Monday, 14 March 2016 at Lichtenburg Town Hall / Soepe Hall on Nelson Mandela Drive, Lichtenburg at 18h00.

Please feel free to pass this invitation to any other relevant officials from your Department as you deem necessary. We are looking forward to your attendance and meaningful contributions.

Kind Regards,

REBECCA THOMAS (B.Sc Env. Sc.; PDM Business Management) Senior Environmental Scientist SiVEST Environmental Division

SiVEST is a Level 3 BBBEE Contributor

direct +27 11 798 0634 tel +27 11 798 0600 fax +27 11 803 7272 cell +27 82 302 9010
email rebeccat@sivest.co.za website www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

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Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

Your reference

Our reference 13303

Date 7 March 2016

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ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BA) FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

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Yours sincerely,



Rebecca Thomas
Environmental Practitioner
SiVEST Environmental Division

Documents attached: Draft Agenda
Registration Form

SiVEST



**ENVIRONMENTAL IMPACT
ASSESSMENTS (EIAs) FOR THE TWO
TLISITSENG SOLAR PHOTOVOLTAIC
(PV) ENERGY FACILITIES, AND BASIC
ASSESSMENTS FOR THE
ASSOCIATED SUBSTATIONS AND
POWER LINES, NEAR LICHTENBURG,
NORTH WEST PROVINCE**

**MINUTES OF THE
FOCUS GROUP MEETING**

Landowners

**Held on
Monday, 14 March 2016 at 11h00
Rafters Bushpub & Sports Bar, Lichtenburg**

North West Province

SiVEST Environmental (Pty) Ltd

Contact: Lynsey Rimbault

Address: PO Box 2921
51 Wessels Road
Rivonia 2128

Tel: 011 798 0600

Fax: 011 803 7272

E-mail: lynseyr@sivest.co.za

Draft Minutes prepared by:

Lynsey Rimbault

Please address any comments to Lynsey Rimbault at the above address

TABLE OF CONTENTS

1	WELCOME, INTRODUCTIONS	1
2	MEETING ATTENDEES	1
3	PURPOSE OF THE MEETING.....	1
4	PROJECT CONTEXT AND OVERVIEW	1
5	DISCUSSION SESSION AND QUESTIONS	1
6	CLOSURE AND WAY FORWARD	2

YOUR COMMENTS ON THE DRAFT MINUTES

Your comments on these draft Minutes will be appreciated. In particular, we request you to verify that your comments during the meeting have been minuted correctly. **It is important to note that the draft Minutes are not verbatim and any comments and questions raised by the technical specialists and the project proponent are not included in the discussion document.** Please address your comments, in writing (preferably email) to Lynsey Rimbault at the address given on the cover page on or before **Wednesday 11 May 2016**.

FOCUS GROUP MEETING

Venue: Rafters Bushpub & Sports Bar, Lichtenburg
Date: Monday, 14 March 2016
Time: 11h00 – 12h00

1 WELCOME, INTRODUCTIONS

Nicolene Venter welcomed everyone who attended the Focus Group Meeting (FGM) and thanked them for attending. She then proceeded to discuss the agenda of the meeting. Nicolene introduced herself and noted that Zitholele Consultants have been appointed by SiVEST to assist with the Public Participation Process (PPP) for the proposed projects. Nicolene asked if the representatives from SiVEST and BioTherm Energy who were present at the meeting could please introduce themselves and explain their roles with regards to the proposed projects.

2 MEETING ATTENDEES

The Focus Group Meeting (FGM) was attended by representatives from SiVEST, Zitholele, BioTherm as well as local landowners. A copy of the Attendance Record is attached as **Annexure A**.

3 PURPOSE OF THE MEETING

Nicolene Venter informed the attendees that the purpose of the FGM was to:

- To provide an overview of the proposed project;
- To provide feedback on the findings as documented in the EIA phase specialist reports;
- To provide an opportunity to raise comments and/or concerns regarding the proposed project; and
- To record comments, issues and concerns raised.

4 PROJECT CONTEXT AND OVERVIEW

Lynsey Rimbault presented an overview of the proposed project explaining the background to the project, what the project would entail, what the EIA and BA process entails, and the current status of the EIA and BA process.

Refer to **Annexure B** for a copy of the presentation.

5 DISCUSSION SESSION AND QUESTIONS

Please refer to **Annexure C** for the discussion session.

6 CLOSURE AND WAY FORWARD

Nicolene Venter closed the meeting at approximately 12h30. She informed the attendees that the FGM minutes, presentation, and attendance record would be forwarded to everyone who attended the meeting.

Annexure A

ATTENDANCE RECORD

TLISITSENG SOLAR PROJECTS: LANDOWNER FOCUS GROUP MEETING ATTENDANCE RECORD		
First Name	Last Name	Company
Irene	Bezuidenhout	BioTherm Energy
Siphelele	Dunga	BioTherm Energy
Thulani	Koom	BioTherm Energy
Daniel	Lowings	BioTherm Energy
Jackie	Hechter	
Fazel	Yarihawa	
Lynsey	Rimbault	SiVEST
Stephan	Jacobs	SiVEST
Nicolene	Venter	Zitholele Consulting

Annexure B

COPY OF PRESENTATION

ENVIRONMENTAL IMPACT ASSESSMENTS FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC ENERGY FACILITIES, AND BASIC ASSESSMENTS FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. No.: TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
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 TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
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A PROFESSIONAL TEAM DELIVERING CREATIVE PROJECT SOLUTIONS



Consulting Engineers • Project Managers • Environmental Consultants • Town and Regional Planners

FOCUS GROUP MEETING

PRESENTATION DATE: 14 March 2016

1


AGENDA



- Welcome, introduction and apologies
- Purpose and conduct of meeting
- Background to the proposed development
- Environmental process followed and findings
- Discussion session
- Closure

2


PURPOSE OF MEETING



- To provide an overview of the proposed project
- To provide feedback on the findings as documented in EIA phase and BA specialist reports
- Provide an opportunity to raise comments and/or concerns regarding the proposed project
- To record comments, issues and concerns raised


3

PROJECT OVERVIEW




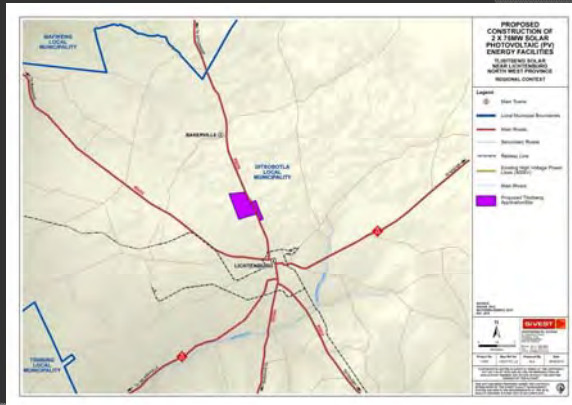
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PROJECT OVERVIEW

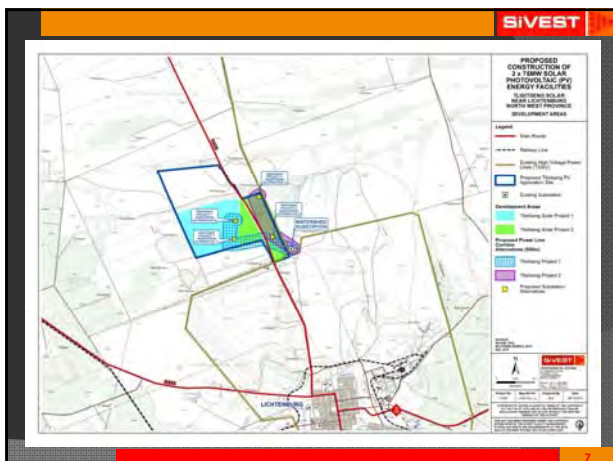


- **What does the proposed development entail?**
 - Construction of Tlisitseng 1 and Tlisitseng 2 Solar Photovoltaic (PV) energy facilities, each with a maximum generation capacity of 75MW.
 - Including associated infrastructure for each facility
 - New onsite substation
 - Access road upgrades
 - Construction laydown area
 - Admin and warehouse building
 - Tlisitseng 1 and Tlisitseng 2 substations and 132kV power lines to connect the proposed substation to the existing Watershed MTS
- **Why is the project being proposed?**
 - To generate electricity to feed into the national grid
 - Promote use of renewable energy
 - To help meet future energy consumption requirements

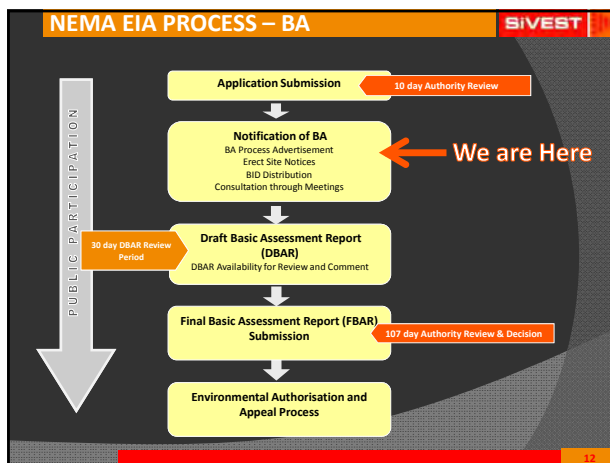
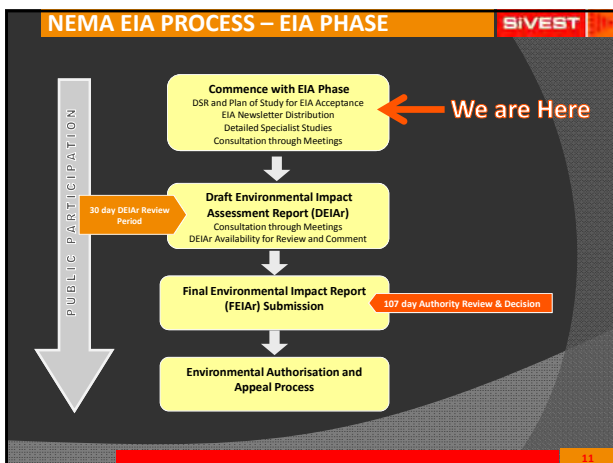
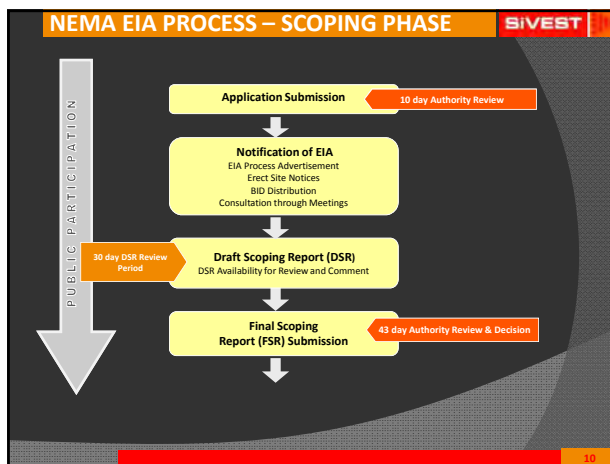
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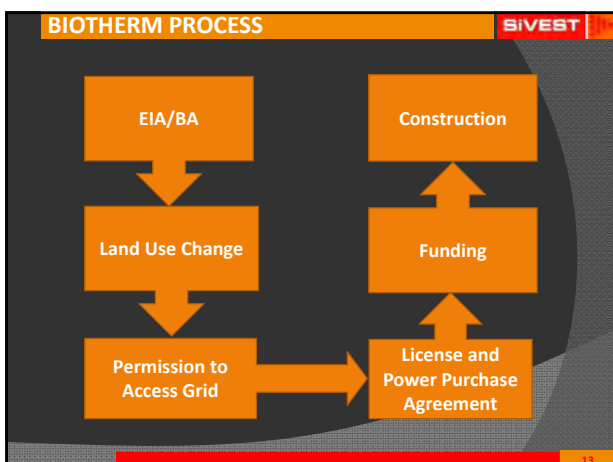



6



- ### PROJECT OVERVIEW
- Who is the independent EAP?**
 - SIVEST SA
 - Why undertake an EIA / BA?**
 - Legal requirement
 - Consider environmental impacts and mitigation measures
 - Provide stakeholders/I&APs the opportunity to participate
 - Who is the applicant?**
 - BioTherm Energy
 - Who is the decision-making authority?**
 - Department of Environmental Affairs (DEA)





ENVIRONMENTAL FINDINGS

- ### ENVIRONMENTAL FINDINGS
- EIA phase / BA underway
 - Rating of significance of impacts
 - Compliance with Equator Principles
 - Compliance with all National legislation
 - Comparative assessment of on site alternatives
 - Environmental Management Programme
 - Environmental aspects being assessed
 - Biodiversity (flora and fauna)
 - Avifauna
 - Surface Water
 - Soils and Agricultural Potential
 - Visual
 - Heritage and Palaeontology
 - Socio-economic

BIODIVERSITY

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • Vegetation (Carletonville Dolomite Grassland) is classified as Vulnerable, but has a wide distribution and extent, therefore considered to have moderately high conservation value • However, Provincial Biodiversity Conservation Assessment identifies Critical Biodiversity Areas and Ecological Support Areas → buffer areas for pans, and dolomite aquifer recharge zone. • Potential presence of: <ul style="list-style-type: none"> • 4 plant species of concern, the bulbs, <i>Boophone disticha</i> and <i>Crinum macowanii</i>, the succulent herb, <i>Brachystelma incanum</i>, and the herb, <i>Cleome conrathii</i>. • 1 protected plant species, <i>Harpagophytum procumbens</i>. • 3 protected tree species, <i>Acacia erioloba</i>, <i>Commersonia imberbe</i> and <i>Boscia albitrunca</i>. The tree <i>Acacia erioloba</i> occurs in large numbers on site. • Brown Hyaena, Honey badger, Southern African Hedgehog, White-tailed Rat, Giant Bullfrog. 			
Mitigation	Undertaking a botanical walk-through survey, search-and-rescue for any appropriate species, obtaining permits for any protected species.			

Some issues related to the ecology of the site could result in potentially significant impacts but the seriousness of these impacts is not considered to be high.

AVIFAUNA



	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • The projects are located in the Grassland avifaunal endemic region which has the fourth highest number of endemic bird species in southern Africa. • An estimated 284 species could potentially occur at the core study area and immediate surroundings (including the Lichtenburg Game Breeding Centre and wetland areas south-east of the project). Of these, 21 are South African Red Data species, 12 are southern African endemics and 21 are near-endemics. • The application site should therefore be regarded as moderately sensitive. • Highly sensitive areas are: surface water (boreholes) and high voltage lines which are used for roosting by Cape and White-backed Vultures. • Beyond the core study area, high voltage lines, a vulture restaurant, and wetlands and dams are potential high sensitive areas 			
Mitigation	No fatal flaws identified thus far, and the proposed development could therefore be authorised, provided all proposed mitigation measures are implemented.			



Monitoring is ongoing and in depth statistical analyses will be performed on the full dataset after the monitoring has been completed.

SURFACE WATER

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • Vaal Primary Catchment (C31A quaternary catchment); Lower Vaal Water Management Area • Depression wetland on greater application site has small chance of being indirectly affected by the proposed development. 			
	No pan wetlands would be directly affected.	One depression wetland could be directly affected.	No pan wetlands would be directly affected.	One depression wetland could be directly affected.
Mitigation	Preventing loss of wetland habitat, increased run-off, erosion and sedimentation			

SOILS AND AGRICULTURAL POTENTIAL				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Soils in the vicinity of the project were generally shallow to very shallow, however, some areas of deeper red soils, which will have a higher agricultural potential, can also occur. The soils are reddish-brown to brown, and belong to the Mispah, Glenrosa and Hutton soil forms This part of North West is well suited for grazing but here the grazing capacity is relatively low, around 12 ha/large stock unit Despite the dominance of shallow soils in the area, areas of cultivation on the deeper soils can be seen in the vicinity, including various centre pivot fields. 			
	At one point red Hutton soil of approximately 1 000 mm deep was observed.	At several points, the soil was seen to be deep (>750 mm), but these points were generally isolated.	Although there are deeper soils in the vicinity there is no evidence of cultivation along the rest of the corridor.	Although there are deeper soils that were observed in places, there is no evidence of cultivation along the rest of the corridor
Mitigation	Due to low agricultural potential, little or no mitigation measures are required. The footprint of the development should be kept to a minimum, so that at least the effect on grazing land for livestock is reduced.			

VISUAL				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Study area has a natural visual character, with a rural or pastoral component. Not generally valued for its tourism significance and is rated as having a low visual sensitivity. The R505 main road is considered to be a visually sensitive road and the relatively high volumes of motorists would be visually exposed to the project. Several farmsteads are regarded as potentially sensitive visual receptors. 			
	One sensitive receptor is present in the study area, namely the Lichtenburg Game Breeding Centre. This visually sensitive receptor was used as a tourism facility.		Two sensitive receptors are present in the study area, namely the Game Breeding Centre and the Lichtenburg Vakansie Oord which is used as a tourism facility.	
Mitigation	Minimise vegetation clearing and rehabilitate cleared areas as soon as possible. Ensure that dust suppression techniques are implemented. Light fittings for security at night should reflect the light toward the ground and prevent light spill.			
	 <p style="text-align: center;">Low visual impact during construction, Medium visual impact during operation</p> 			

HERITAGE AND PALAEOLOGY				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Two Stone Age sites were found, both of low significance Five historical structures were located, the age of which has not been determined, most are likely older than 60 years. An informal cemetery of approx. 60 graves is located at the eastern side of the application site. Micro-stromatolites and possible sites with cave breccia have been identified. 		<ul style="list-style-type: none"> Two historical structures were located, and are not significant. Several arbitrary finds of dolomite and chert with significantly well-defined stromatolites as well as a few potential sites with either associated sinkholes or cave breccias were recorded. 	
Mitigation	Sensitive sites will require mitigation work, including destruction permits in terms of section 34 of the NHRA. A 50m buffer must be provided around the cemetery, alternatively a grave relocation process will need to occur			
	 <p style="text-align: center;">The overall impact on heritage resources is acceptable, mitigation measures address any impacts on heritage.</p> 			

SOCIO-ECONOMIC				
	Tlitsitseng PV 1	Tlitsitseng PV 2	Tlitsitseng 1 Substation and Power Line	Tlitsitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Positive and negative impacts → including skills development and employment creation, but also change in sense of place among others. The significance of the possible positive impacts of the proposed development outweighs the negative impacts. The project would generate positive socio-economic returns for the local economy and its community and should be considered for implementation The directly impacted land owner has indicated that alternative land can be acquired, to allow him to continue the current levels of agriculture production. 			
			Some land owners have objected due to the possible visual impact.	
Mitigation	<ul style="list-style-type: none"> Mitigation measures should be implemented to maximise the benefit to the local community. Care should be taken not to affect the supply of water extracted from boreholes on nearby farms. The issues of safety and livestock theft should be addressed. 			
			It is recommended that the corridor be shifted to remain within Portion 25 of Farm Houthaalboom 31.	

LAYOUT ALTERNATIVES

- Layout alternatives will be presented in the DEIARs and DBARs.
- Design to incorporate specialist findings and stakeholder input.

PUBLIC PARTICIPATION

SIVEST

25

PUBLIC PARTICIPATION – SCOPING PHASE

SIVEST

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Site Notices and Stakeholder Consultation
December 2015
- BID Comment Period
December 2015 – January 2016
- EIA Process Advertisement
January 2016
- DSR Availability
DSR Review Period: 11 January 2016 – 09 February 2016
- FSR Availability and Submission to DEA
February 2016

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PUBLIC PARTICIPATION – EIA PHASE AND BA

SIVEST

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Environmental Meetings
14 March 2016
- DEA Acceptance of FSR and EIA Plan of Study
April 2016
- EIA Newsletter
April 2016
- DEIAr and DBAR Availability
April 2016
- FEIAr and FBAR Availability and Submission to DEA
June 2016
- Notify I&APs of EA and Appeal Process
September/October 2016

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DISCUSSION

SIVEST

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CONTACT DETAILS

SIVEST

SIVEST Environmental Division
PO Box 2921
Rivonia
2128

Lynsey Rimbault/ Nicolene Venter
Phone: (011) 798 0600
Fax: (011) 803 7272
E-mail: lynseyr@sivest.co.za / nicolenev@zitholele.co.za
Website: www.sivest.co.za

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WAY FORWARD

SIVEST

- Draft Minutes of Meeting
Distribute: 2 weeks after meeting
- DEIAr and DBAR Availability
Public Review: Envisaged April – May 2016 (30 Days) | Submit to DEA: Envisaged April 2016
- Submission of FEIAr and FBAR to DEA
Envisaged June 2016
- DEA Decision
Envisaged September/October 2016

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Annexure C

DISCUSSION DOCUMENT

**OMGEWINGSIMPAKEVALUERINGS (OIEs) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEE
(2) TLISITSENG 75MW FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN BASIESE
EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE 1323kV KRAGLYNE NABY LICHTENBURG,
NOORDWES-PROVINSIE**

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF
THE TWO (2) 75MW TLISITSENG SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND
BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR
LICHTENBURG, NORTH-WEST PROVINCE**

TLISITSEN SOLAR 1 – DO Verw.No./DEA Ref. No.: 14/12/16/3/3/2/889

TLISITSEN SOLAR 2 - DO Verw.No. /DEA Ref. No.: 14/12/16/3/3/2/890

TLISITSEN 1 KRAGLYN - DO Verw.No. /DEA Ref. No.: Moet aangekondig word/To be announced

TLISITSEN 1 KRAGLYN - DO Verw.No. /DEA Ref. No.: Moet aangekondig word/To be announced

**KONSEP BESPREEKINGS-DOKUMENT
FOKUSGROEPVERGADERING: GRONDEIENAARS**

**DRAFT DISCUSSION DOCUMENT
FOCUS GROUP MEETING: LANDOWNERS**

Rafters Bos- en Sportskroeg, Elandsfonteinpad (af van R505) / Rafters Busch and Sports Bar, Elandsfontein Road
(off the R505), Lichtenburg

Maandag, 14 Maart 2016 om 11h00 / Monday, 14 March 2016 at 11h00

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Kommentaar / kwessies is gekategoriseer volgens omgewingsimpak en daarna volgens teenwoordiger se VAN / Comments / concerns / issues have been categorised according to environmental impact and thereafter according to SURNAME.

Kommentaar / kwellinge / kwessies vasgelê is nie verbatim nie maar 'n opsomming van kommentaar / kwellinge / kwessies geopper.
The comments / concerns / issues captured are not verbatim, but a summary.

AFKORTINGS / ABBREVIATIONS:

DEIAr	Draft Environmental Impact Assessment Report	EMPr	Environmental Management Programme
OBP	Omgewingsbestuursprogram	OIE	Omgewingsimpakevaluering

Issue/Comment	Raised By & When	Response
1. Avifauna Aanverwante Kommentaal/Kwessies – Related Comments/Concerns		
<p>Die projekspan was ingelig dat die vestiging van 'n voël teëlplaas op die eiendom beplan word en die voorgestelde ontwikkeling kan 'n negatiewe impak op die voëls se teëlpotensiaal hê.</p> <p>Translation: The project team was informed that they are planning to establish a bird breeding farm on the property and that the proposed development could impact on the breeding potential of the birds.</p>	<p>HECTOR, Jackie Grondeienaar: Talene Landbouhoeve No1 & Eienaar: Rafters Bos- en Sportskroeg / Landowner: Talene Agricultural Holdings No 1 & Owner: Rafters Busch & Sports Bar</p>	<p>Dit is die verwagting dat die voorgestelde ontwikkeling nie 'n impak op die teëlvermoë van voëls sal hê nie, maar die kwessie sal aan die spesialis deurgegee word vir terugvoer. Lynsey Rimbault, Environmental Consultant, SiVEST</p> <p>Translation: It is anticipated that the proposed development would not have an impact on the breeding potential of birds. This concern will be forwarded to the specialist for a response.</p> <p>Post-meeting note: The concern was forwarded to the avifaunal specialist on the proposed project, who responded that given the nature of the proposed project no impact on the breeding potential of the captive birds is foreseen.</p>
2. Water Aanverwante Kommentaal/Kwessies - Related Comments/Concerns		
<p>Die projekspan was ingelig oor 'n vorige insident wat deur die eienaars van Talene Landbouhewes meegemaak het toe die eienaar van die plaas Houthaalbomen (voorgestelde ontwikkelingsterrein) om 'n waterlisensie aangedoen het vir besproeiing op die plaas. Die negatiewe impak was van so 'n aard dat van Talene Landbouhewes se boorgate opgedroog het en ook 'n groot finansiële verlies gelei het deurdat hulle nuwe boorgate moes sink om watervoorsiening na hul eiendomme te herstel. Na aanleiding van bogenoemde negatiewe ondervinding, was dit verneem waar wil BioTherm vandaan kry vir konstruksie asook die skoonmaak van die panele.</p> <p>Translation: The project was informed regarding a previous incident experienced by the owners of Talene Agricultural Holdings when the owner of the</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoeve No 4 / Landowner: Talene Agricultural Holdings No 4</p>	<p>Die projekspan neem kennis van Talene Landbouhewes se kwellinge en wantroue in die proses rakende waterkwessies. Nicolene Venter, Publieke Deelnamekonsultant, Zitholele Consulting</p> <p>Volgens huidige inligting tot BioTherm se beskikking is daar voldoende watervoorsiening op die voorgestelde terrein wat aan beidie die konstruksie en operasionele fase van die projek sal kan voorsien. Indien addisionele watervoorsiening nodig is, sal daar met die Ditsobotla Plaaslike Munisipaliteit kontak gemaak word. Irene Bezuidenhout, Omgewingsbestuurder, BioTherm Energy</p> <p>Translation:</p>

<p>farm Houthaalbomen (the site for the proposed development) applied for a water use license for irrigation on his farm.</p> <p>The negative impact thereof was so severe to the Talene Agricultural Holdings that their boreholes dried up and also resulted in huge financial impacts as they had to sink new boreholes to reinstate their water supply.</p> <p>Due to above-mentioned negative experience it was enquired where BioTherm will be sourcing their water requirements from during the construction and the cleaning of the panels.</p>		<p>The project team take note of Talene Agricultural Holdings' concerns and mistrust in the process followed for the water related matter.</p> <p>According to current information available to BioTherm, there is sufficient water supply at the site where the proposed project is located and would be sufficient for both the construction and operational phase of the project. Should additional water supply be needed, discussion will take place with Ditsobotla Local Municipality.</p>
3. Visuële Aanverwante Kommentaar/Kwessies – Visual Related Comments/Concerns		
<p>Kommer is uitgespreek oor die moontlike impak wat die ontwikkeling op hul bestaande besigheid sal hê. Besoekers kom na hul fasiliteit om uit die dorp / stad te kom en 'n rustige atmosfeer en natuurskoon te ervaar.</p> <p>Translation: Concern was expressed regarding the possible impact that the proposed development would have on their existing business. Patrons visit their establishment to escape the town / city to experience calm atmosphere and the nature.</p>	<p>HECTOR, Jackie Grondeienaar: Talene Landbouhoeve No1 & Eienaar: Rafters Bos- en Sportskroeg / Landowner: Talene Agricultural Holdings No 1 & Owner: Rafters Busch & Sports Bar</p>	<p>Die visuele impak is beoordeel in die Visuele Impak Evaluering wat ingesluit moet word in die Konsep Omgewingsimpakevalueringverslag .Verder is die versagtende maatreël wat voorgestel word dat bome om die perimeter van die ontwikkeling aangebring word wat die panele sal verbloem.</p> <p>Stephan Jacobs, Environmental Consultant, SiVEST</p> <p>Translation: The visual impact has been assessed in the Visual Impact Assessment to be included in the Draft Environmental Impact Assessment Report (DEIAR). In addition, one of the mitigation measures suggested is that trees be planted along the perimeter of the development, which will lessen the view of the panels.</p>
4. Sosio- en Sosio-Ekonomiese Aanverwante Kommentaar/Kwessies – Social and Socio-economic Related Comments/Concerns		
<p>Misnoeë is uitgespreek dat slegs een grondeienaar finansiële voordeel sal kry uit die voorgestelde ontwikkeling. Dit was genoem dat omliggende grondeienaars wat met die impakte gaan sit moet ook vergoeding ontvang.</p> <p>Translation: Displeasure was expressed that only one landowner will gain financial advantage from the proposed development. It was mentioned that the</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoeve No 4 / Landowner: Talene Agricultural Holdings No 4</p>	<p>Dit is standaard praktyk dat die eienaar op wie se grond 'n ontwikkeling voorgestel word, vergoeding ontvang en enige impakte op omliggende eiendomme, indien enige, moet versag word en dié word gedoen deur die versagtens maatreëls soos deur die betrokke omgewingspasiel voorgestel in die konsep OBP.</p> <p>Indien die voorgestelde kraglyn oor die aangrensende landbouhoewes gaan, sal die betrokke eienaar(s) vergoeding ontvang vir die geregistreerde serwituu.</p>

<p>adjacent landowners who will be on the receiving end of negative impacts are not receiving any compensation.</p>		<p>Irene Bezuidenhout, Omgewingsbestuurder, BioTherm Energy</p> <p>Translation: It is standard practice that the owner on whose property a development is being proposed be compensated. Should there be any negative impacts on surrounding properties, these impacts must be mitigated as recommended by the relevant environmental specialist in the draft EMPr. If the proposed power line traverses the adjacent agricultural holdings, the relevant landowners(s) will receive compensation for the registered servitude.</p>
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5. Projek Aanverwante Kommentaar/Kwessies – Project Related Comments/Concerns

<p>Dit was verneem watter proses is gevolg vir die besluitneming dat die voorgestelde ontwikkeling op Mnr Hartzenberg se plaas Houthaalbomen ontwikkel word.</p> <p>Translation: It was enquired as to what was the process followed to decide that the proposed development be sited on Mr Hartzenberg's farm Houthaalboomen.</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoeve No 4 / Landowner: Talene Agricultural Holdings No 4</p>	<p>BioTherm se proses behels kortliks die volgende:</p> <ul style="list-style-type: none"> • eerstens vas watter area is mees geskik vir 'n ontwikkeling soos bv sonkrag; • eiendom moet verkieslig naby Eskom elektrisiteitsnetwerk geleë wees bv substasie / kraglyne; • 'n minimum grootte eiendom is nodig om die MW kapasiteit te kan opwek; • daarna word gekyk na beskikbare eiendomme in die area; • eienaar(s) word genader; ens <p>Irene Bezuidenhout, Omgewingsbestuurder, BioTherm Energy</p> <p>Translation: BioTherm's process, in short, consist of the following:</p> <ul style="list-style-type: none"> • firstly, a suitable site needs to be determined for a development such as solar power; • the Property must be situated near Eskom's utility grid i.e. a substation / power lines; • a minimum size property is required to generate the required MW capacity;
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		<ul style="list-style-type: none"> • then one looks for available properties in the area; • owner(s) will then be approached; etc.
6. Kraglyn Korridor Aanverwante Kommentaar/Kwessies – Power Line Corridor Related Comments/Concerns		
<p>Teenkanting teen die voorgestelde deurgang deur Talene Landbouhoewes word ten sterkste uitgespreek. Die landbouhoewes is klein porsies en dit sal die eiendomme frakmenteer wat enige toekomstige ontwikkeling kan belemmer.</p> <p>Dit word voorgestel dat die kraglyne op die voorgestelde solar terrein opgerig word.</p> <p>Translation: Objection was raised regarding the proposed power line corridor through Talene Agricultural Holdings and strongly objected to. The agricultural holdings' properties are very small and it would hamper any future development on the property.</p> <p>It is being proposed that the power lines be constructed on the property where the solar development is being proposed.</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoewe No 4 / Landowner: Talene Agricultural Holdings No 4</p>	<p>Die teenkanting word erken.</p> <p>Lynsey Rimbault, Omgewingskonsultant, SiVEST</p> <p>Translation: Objection was acknowledged.</p>
<p>Dit was voorgestel dat SiVEST die vernouing van die korridor deur Talene Landbouhoewes om enige moontlike magtiging van die korridor deur die DOE te verhoed.</p> <p>Translation: It was suggested that SiVEST consider narrowing the power line corridor traversing the Talene Agricultural Holdings to avoid the possible approval by the DEA for the corridor.</p>	<p>VENTER, Nicolene PPP, Zitholele Consulting</p>	<p>Hierdie kan 'n lewensvatbare opsie wees en SiVEST sal die aangeleentheid met die Aansoeker bespreek. Die uitkoms van die gesprek sal in die konsepnotule vervat word.</p> <p>Lynsey Rimbault, Omgewingskonsultant, SiVEST</p> <p>This could be a viable option and SiVEST will discuss this with the applicant. The outcome of the discussion will be included in the draft Minutes of the meeting.</p> <p>Post-meeting note: The corridor has been narrowed so that it no longer transects the Talene smallholdings. A map showing the amended corridor has been appended to the minutes.</p>
7. Kommunikasie Aanverwante Kommentaar/Kwessies - Communication Related Comments/Concerns		
<p>Dit was verneem hoekom die ander grondeienaars (spesifieke verwysing na Mnr Hartzenberg en ander landbouhoewes eienaars) nie by die vergadering teenwoordig is nie.</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoewe No 4 /</p>	<p>Al die omliggend grondeienaars is uitgenooi na die fokusgroepvergadering. Die onus en besluit berus by die uitgenooïdes of hulle die vergadering gaan / kan bywoon of nie. Die publieke deelname span kan nie grondeienaars dwing</p>

Die opinie is geopper dat die proses 'n "white wash" proses is aangesien Mnr Hartzenberg teenwoordig moes gewees het en die mening ook uitgespreek dat die OIE proses slegs 'n "tick box" oefening is.

Translation:

It was enquired as to why the other landowners (specific reference was made to Mr. Hartzenberg and other agricultural holding owners) were not present at the meeting.

The opinion was made that the process is a "white wash" process as Mr. Hartzenberg should have been present and the view that the EIA process was only a "tick box" exercise was expressed.

Die projekspan was ingelig dat die fokusgroepvergadering is nie die regte forum om die omliggende grondeienaars se kwessies te opper nie aangesien hulle nie volwaardig verteenwoordig is nie.

Landowner: Talene Agricultural Holdings No 4

om 'n vergadering by te woon nie end it is ook nie die rol en doel van die publieke deelname proses nie. Die vergadering is 'n geleentheid wat daargestel word om meer inligting oor die projek te bekom en om met die projekspan in gesprek te kan tree oor enige aspek van die projek en omgewingsproses.

Dieselfde rede genoem hierbo geld vir die eienaar op wie se eiendom die ontwikkeling voorgestel word.

Publieke deelname is 'n belangrike aspek van enige OIE en belanghebbendes en geaffekteerde partye so wyd as moontlik word van 'n voorgestelde ontwikkeling in kennis gestel. Om verdere inligting rakende 'n voorgestelde ontwikkeling te bekom, berus ook by die publiek en omliggende grondeienaars.

Nicolene Venter, Publieke Deelnamekonsultant, Zitholele Consulting

Translation:

All the surrounding landowners were invited to the focus group meeting. The onus and decision to attend or not attend the meeting rests with the invitees. The public participation team cannot force landowners to attend the meeting and it is also not the role and responsibility of the public participation process. The meeting is an event that is presented to obtain more information about the project and to interact with the project team regarding any aspect of the project and environmental process

The same reason mentioned above applies to the owner on whose property the development is proposed.

Public participation is an important aspect of any EIA and to inform interested and affected parties as widely as possible regarding a proposed development. To obtain further information regarding a proposed development is also the responsibility of the public and surrounding landowners.

Die versoek is aan die verteenwoordigtes gerig oor hoe hulle hul insette rakende die voorgestelde projek will lewer.

<p>Translation: The project team was informed that the focus group meeting is not the correct forum to raise their (the surrounding land owners) issues as they are not represented fully.</p>		<p>Die voorstel van die publieke deelname konsultant was dat die grondeienaars bymekaar kom en 'n gesamentlike dokument / brief aan die projekspan rig met hulle kwellinge / kwessies rakende die projek. Die projekspan versoek dat hierdie skrywe so spoedig moontlik ingedien moet word. Nicolene Venter, Publieke Deelnamekonsultant, Zitholele Consulting</p> <p>Translation: The request was made to the attendees as to how they would prefer to submit their inputs regarding the proposed project. The public participation consultant suggested that the landowners meet and submit a combined document / letter to the project team which document their concerns / issues regarding the project. The project team requested that this document be submitted to them as soon as possible.</p>
<p>Die voorstel dat 'n skriftelike dokument wat die kwellinge / kwessies van die omliggende grondeienaars bevat, word deur die teenwoordiges aanvaar.</p> <p>Translation: The recommendation that a written submission be made which reflects the concerns / issues of the surrounding landowners was accepted by those present.</p>	<p>YARIHAWA, Fazel, Grondeienaar: Talene Landbouhoewe No 4 / Landowner: Talene Agricultural Holdings No 1 en / and HECTOR, Jackie Grondeienaar: Talene Landbouhoewe No1 & Eienaar: Rafters Bos- en Sportskroeg / Landowner: Talene Agricultural Holdings No 1 & Owner: Rafters Busch & Sports Bar</p>	<p>Die teenwoordiges word voorlopig bedank vir hulle waardevolle insette. HECTOR, Jackie Nicolene Venter, Publieke Deelnamekonsultant, Zitholele Consulting</p> <p>Translation: The attendees were thanked, in advance, for their valuable inputs.</p>

Annexure D









AMENDED TLISITSENG 1 POWER LINE CORRIDOR MAP

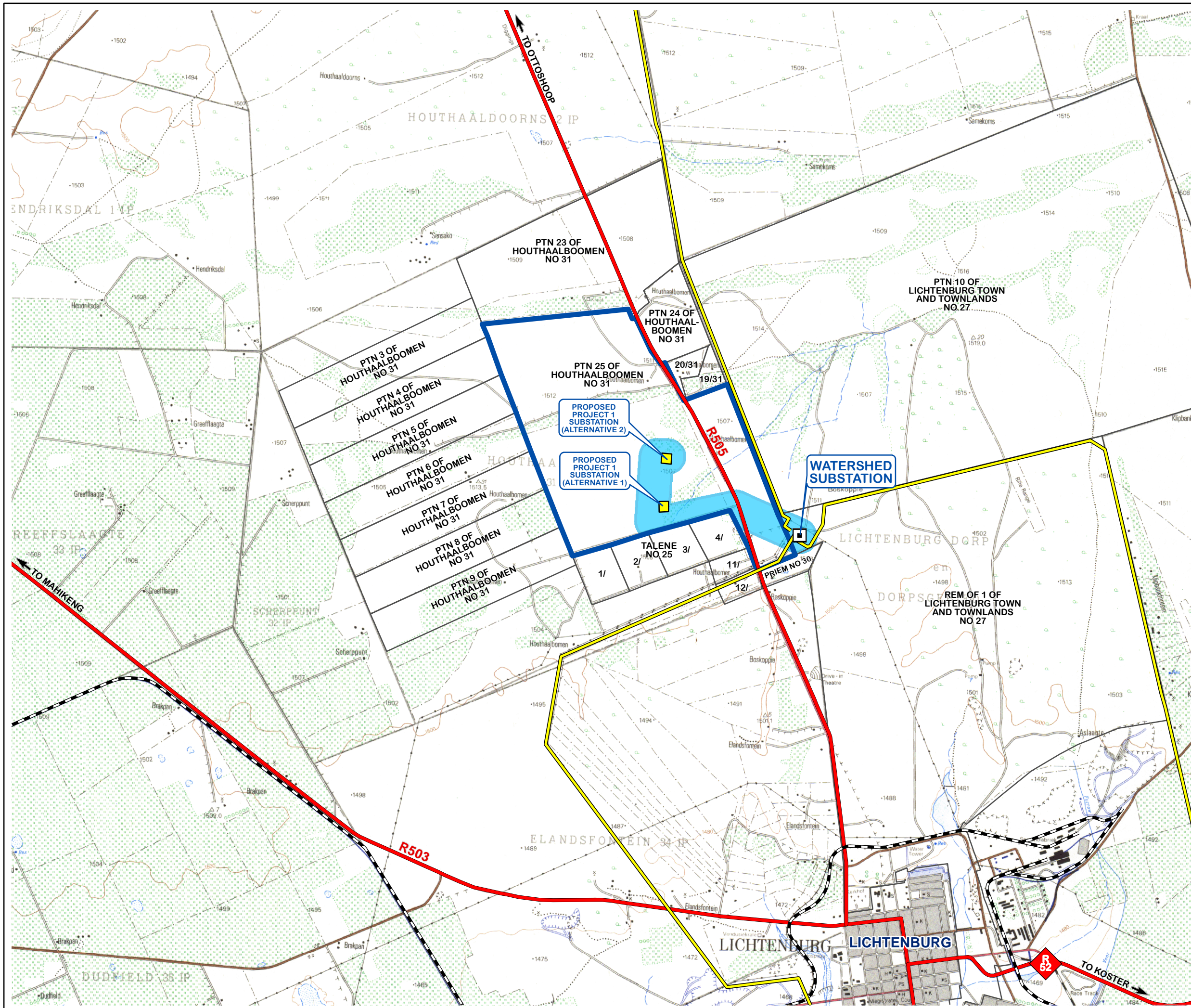
PROPOSED CONSTRUCTION OF A 132kV POWER LINE TO SERVE PROPOSED PHOTOVOLTAIC (PV) ENERGY FACILITIES

TLITSSENSOLAR 1
NEAR LICHTENBURG
NORTH WEST PROVINCE

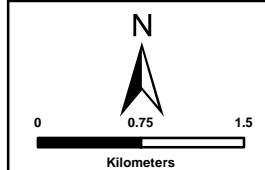
AMENDED CORRIDOR

Legend

-  Main Roads
-  Railway Line
-  Existing High Voltage Power Lines (132kV)
-  Adjoining Farm Boundaries
-  Proposed Tlitsensol PV Application Site
-  Existing Substation
-  Amended Power Line Corridor (Project 1)
-  Proposed Substation Alternatives



SOURCE:
ESKOM, 2012
BIOTHERM ENERGY, 2015
NGI, 2015



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Project No 13303	Prepared By KLS	Date 28/04/2016
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Map Ref No 13303TPL/BA1_08	Revision 0	Date
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**Environmental Impact Assessments (EIA)
for the Two Tlisitseng Solar Photovoltaic
(PV) Energy Facilities, and Basic
Assessments for the Associated
Substations and Power Lines, near
Lichtenburg, North West Province**

**Feedback of the
Public Meeting**

**Held on
Monday 14 March 2016 at 18h00**

**Lichtenburg Town Hall, Nelson Mandela Drive,
Lichtenburg.**

North West Province

PUBLIC MEETING

Venue: Lichtenburg Town Hall, Cnr Nelson Mandela Drive, Lichtenburg
Date: Monday, 14 March 2016
Time: 18h00 – 19h00

Except for the representatives from SiVEST, Zitholele and BioTherm Energy, no one attended the Focus Group Meeting (FGM). A copy of the Attendance Record is attached as **Annexure A**. All Interested and Affected Parties on the project database were invited to the workshop in writing (email notification, **Appendix C**).

Due to the lack of attendees nothing was presented at the meeting, however, a copy of the presentation (as prepared) is attached as **Annexure B**.

Annexure A

ATTENDANCE RECORD

**TLISITSENG SOLAR PROJECTS: PUBLIC MEETING
ATTENDANCE RECORD**

First Name	Last Name	Company
Irene	Bezuidenhout	BioTherm Energy
Siphelele	Dunga	BioTherm Energy
Thulani	Koom	BioTherm Energy
Daniel	Lowings	BioTherm Energy
Lynsey	Rimbault	SiVEST
Stephan	Jacobs	SiVEST
Nicolene	Venter	Zitholele Consulting

Annexure B

COPY OF PRESENTATION

ENVIRONMENTAL IMPACT ASSESSMENTS FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC ENERGY FACILITIES, AND BASIC ASSESSMENTS FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. No.: TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
 TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890
 TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
 TLISITSENG 2 SUBSTATION AND POWER LINE: To be confirmed

A PROFESSIONAL TEAM DELIVERING CREATIVE PROJECT SOLUTIONS

SIVEST

Consulting Engineers • Project Managers • Environmental Consultants • Town and Regional Planners

PUBLIC MEETING

PRESENTATION DATE: 14 March 2016

1

AGENDA

SIVEST

- Welcome, introduction and apologies
- Purpose and conduct of meeting
- Background to the proposed development
- Environmental process followed and findings
- Discussion session
- Closure

2

CONDUCT OF MEETING

SIVEST

- Focus on issues relating to the EIAs/BAs
- Equal participation
- Identify yourselves
- Recorder
- Cell phone etiquette

3

PURPOSE OF MEETING

SIVEST

- To provide an overview of the proposed project
- To provide feedback on the findings as documented in EIA phase and BA specialist reports
- Provide an opportunity to raise comments and/or concerns regarding the proposed project
- To record comments, issues and concerns raised

4

PROJECT OVERVIEW

SIVEST

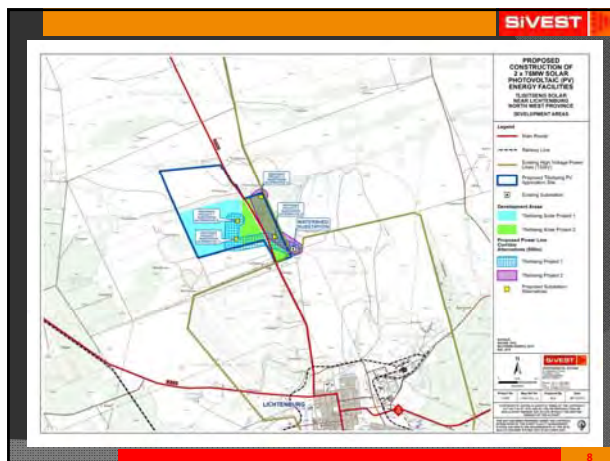
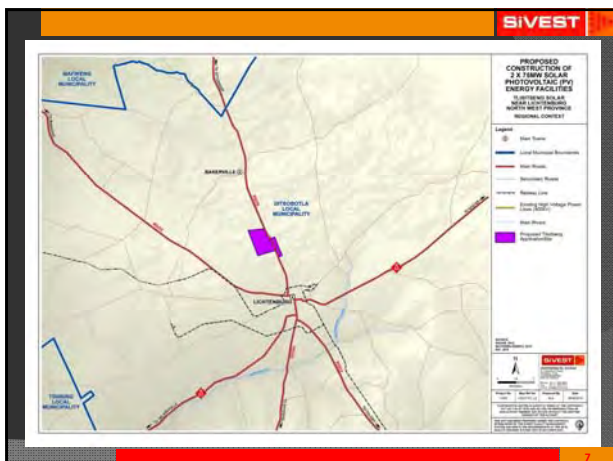
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PROJECT OVERVIEW

SIVEST

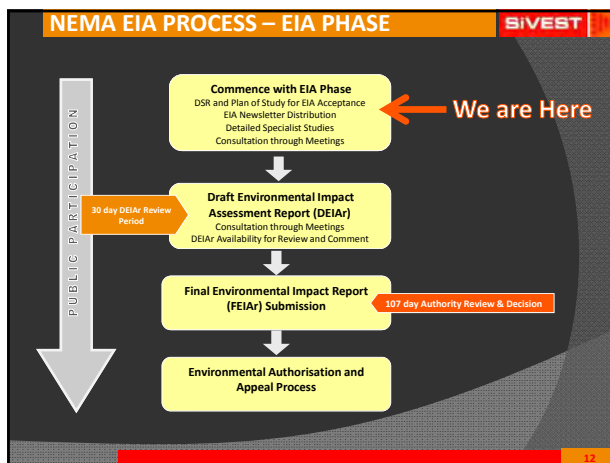
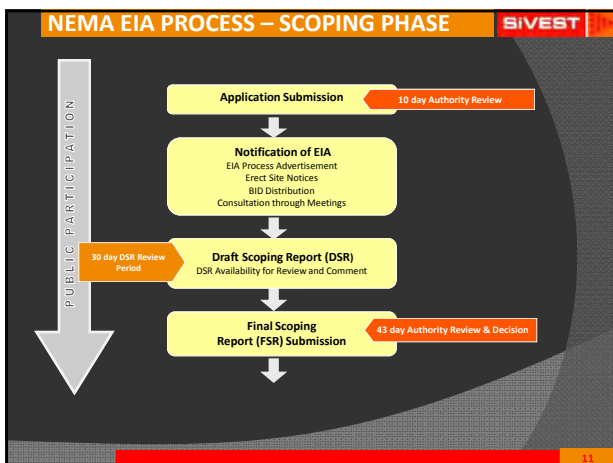
- **What does the proposed development entail?**
 - Construction of Tlisitseng 1 and Tlisitseng 2 Solar Photovoltaic (PV) energy facilities, each with a maximum generation capacity of 75MW.
 - Including associated infrastructure for each facility
 - New onsite substation
 - Access road upgrades
 - Construction laydown area
 - Admin and warehouse building
 - Tlisitseng 1 and Tlisitseng 2 substations and 132kV power lines to connect the proposed substation to the existing Watershed MTS
- **Why is the project being proposed?**
 - To generate electricity to feed into the national grid
 - Promote use of renewable energy
 - To help meet future energy consumption requirements

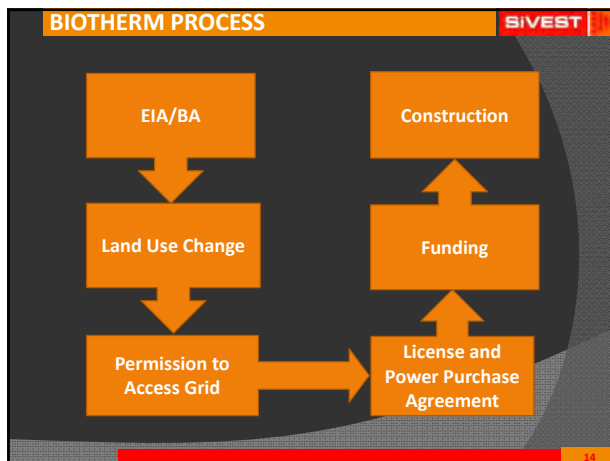
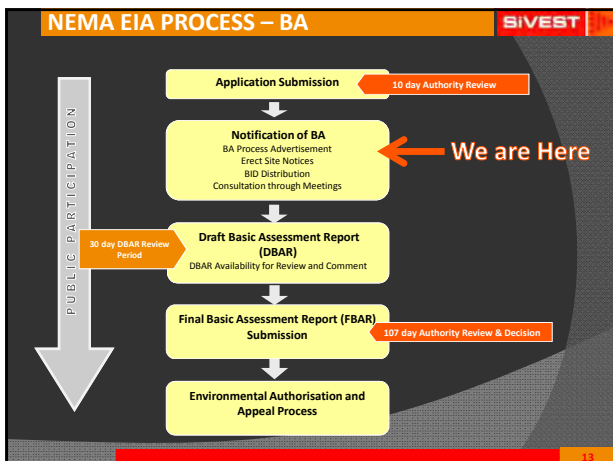
6



PROJECT OVERVIEW

- Who is the independent EAP?
 - SIVEST SA
- Why undertake an EIA / BA?
 - Legal requirement
 - Consider environmental impacts and mitigation measures
 - Provide stakeholders/I&APs the opportunity to participate
- Who is the applicant?
 - BioTherm Energy
- Who is the decision-making authority?
 - Department of Environmental Affairs (DEA)





ENVIRONMENTAL FINDINGS

- ### ENVIRONMENTAL FINDINGS
- **EIA phase / BA underway**
 - Rating of significance of impacts
 - Compliance with Equator Principles
 - Compliance with all National legislation
 - Comparative assessment of on site alternatives
 - Environmental Management Programme
 - **Environmental aspects being assessed**
 - Biodiversity (flora and fauna)
 - Avifauna
 - Surface Water
 - Soils and Agricultural Potential
 - Visual
 - Heritage and Palaeontology
 - Socio-economic

BIODIVERSITY

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • Vegetation (Carletonville Dolomite Grassland) is classified as Vulnerable, but has a wide distribution and extent, therefore considered to have moderately high conservation value • However, Provincial Biodiversity Conservation Assessment identifies Critical Biodiversity Areas and Ecological Support Areas → buffer areas for pans, and dolomite aquifer recharge zone. • Potential presence of: <ul style="list-style-type: none"> • 4 plant species of concern, the bulbs, <i>Boophone disticha</i> and <i>Crinum macowanii</i>, the succulent herb, <i>Brachystelma incanum</i>, and the herb, <i>Cleome conrathii</i>. • 1 protected plant species, <i>Harpagophytum procumbens</i>. • 3 protected tree species, <i>Acacia erioloba</i>, <i>Combretum imberbe</i> and <i>Boscia albitrunca</i>. The tree <i>Acacia erioloba</i> occurs in large numbers on site. • Brown Hyena, Honey badger, Southern African Hedgehog, White-tailed Rat, Giant Bullfrog. 			
Mitigation	Undertaking a botanical walk-through survey, search-and-rescue for any appropriate species, obtaining permits for any protected species.			
	Some issues related to the ecology of the site could result in potentially significant impacts but the seriousness of these impacts is not considered to be high.			

AVIFAUNA

	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> • The projects are located in the Grassland avifaunal endemic region which has the fourth highest number of endemic bird species in southern Africa. • An estimated 284 species could potentially occur at the core study area and immediate surroundings (including the Lichtenburg Game Breeding Centre and wetland areas south-east of the project). Of these, 21 are South African Red Data species, 12 are southern African endemics and 21 are near-endemics. • The application site should therefore be regarded as moderately sensitive. • Highly sensitive areas are: surface water (boreholes) and high voltage lines which are used for roosting by Cape and White-backed Vultures. • Beyond the core study area, high voltage lines, a vulture restaurant, and wetlands and dams are potential high sensitive areas 			
Mitigation	No fatal flaws identified thus far, and the proposed development could therefore be authorised, provided all proposed mitigation measures are implemented.			
	Monitoring is ongoing and in depth statistical analyses will be performed on the full dataset after the monitoring has been completed.			

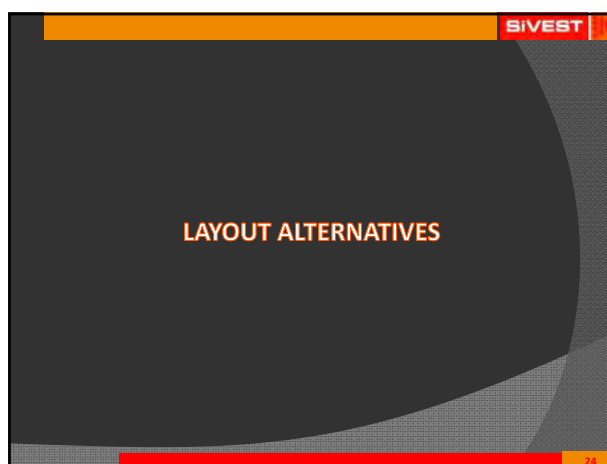
SURFACE WATER				
	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Vaal Primary Catchment (C31A quaternary catchment); Lower Vaal Water Management Area Depression wetland on greater application site has small chance of being indirectly affected by the proposed development. 			
	No pan wetlands would be directly affected.	One depression wetland could be directly affected.	No pan wetlands would be directly affected.	One depression wetland could be directly affected.
Mitigation	Preventing loss of wetland habitat, increased run-off, erosion and sedimentation			

SOILS AND AGRICULTURAL POTENTIAL				
	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Soils in the vicinity of the project were generally shallow to very shallow, however, some areas of deeper red soils, which will have a higher agricultural potential, can also occur. The soils are reddish-brown to brown, and belong to the Mispah, Glenrosa and Hutton soil forms This part of North West is well suited for grazing but here the grazing capacity is relatively low, around 12 ha/large stock unit Despite the dominance of shallow soils in the area, areas of cultivation on the deeper soils can be seen in the vicinity, including various centre pivot fields. 			
	At one point red Hutton soil of approximately 1 000 mm deep was observed.	At several points, the soil was seen to be deep (>750 mm), but these points were generally isolated.	Although there are deeper soils in the vicinity there is no evidence of cultivation along the rest of the corridor.	Although there are deeper soils that were observed in places, there is no evidence of cultivation along the rest of the corridor
Mitigation	Due to low agricultural potential, little or no mitigation measures are required. The footprint of the development should be kept to a minimum, so that at least the effect on grazing land for livestock is reduced.			

VISUAL				
	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Study area has a natural visual character, with a rural or pastoral component. Not generally valued for its tourism significance and is rated as having a low visual sensitivity. The R505 main road is considered to be a visually sensitive road and the relatively high volumes of motorists would be visually exposed to the project. Several farmsteads are regarded as potentially sensitive visual receptors. 			
	One sensitive receptor is present in the study area, namely the Lichtenburg Game Breeding Centre. This visually sensitive receptor was used as a tourism facility.	Two sensitive receptors are present in the study area, namely the Game Breeding Centre and the Lichtenburg Vakansie Oord which is used as a tourism facility.		
Mitigation	Minimise vegetation clearing and rehabilitate cleared areas as soon as possible. Ensure that dust suppression techniques are implemented. Light fittings for security at night should reflect the light toward the ground and prevent light spill.			

HERITAGE AND PALAEOLOGY				
	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Two Stone Age sites were found, both of low significance Five historical structures were located, the age of which has not been determined, most are likely older than 60 years. An informal cemetery of approx. 60 graves is located at the eastern side of the application site. Micro-stromatolites and possible sites with cave breccia have been identified. 			
			Two historical structures were located, and are not significant.	
	Several arbitrary finds of dolomite and chert with significantly well-defined stromatolites as well as a few potential sites with either associated sinkholes or cave breccias were recorded.			
Mitigation	Sensitive sites will require mitigation work, including destruction permits in terms of section 34 of the NHRA. A 50m buffer must be provided around the cemetery, alternatively a grave relocation process will need to occur			

SOCIO-ECONOMIC				
	Tlitseng PV 1	Tlitseng PV 2	Tlitseng 1 Substation and Power Line	Tlitseng 2 Substation and Power Line
General Findings	<ul style="list-style-type: none"> Positive and negative impacts → including skills development and employment creation, but also change in sense of place among others. The significance of the possible positive impacts of the proposed development outweighs the negative impacts. The project would generate positive socio-economic returns for the local economy and its community and should be considered for implementation 			
	The directly impacted land owner has indicated that alternative land can be acquired, to allow him to continue the current levels of agriculture production.		Some land owners have objected due to the possible visual impact.	
Mitigation	Mitigation measures should be implemented to maximise the benefit to the local community.			
	Care should be taken not to affect the supply of water extracted from boreholes on nearby farms.		It is recommended that the corridor be shifted to remain within Portion 25 of Farm Houthaalboomen 31.	
	The issues of safety and livestock theft should be addressed.			



LAYOUT ALTERNATIVES SIVEST

- Layout alternatives will be presented in the DEIAs and DBARs.
- Design to incorporate specialist findings and stakeholder input.

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PUBLIC PARTICIPATION

SIVEST

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PUBLIC PARTICIPATION – SCOPING PHASE SIVEST

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Site Notices and Stakeholder Consultation**
December 2015
- BID Comment Period**
December 2015 – January 2016
- EIA Process Advertisement**
January 2016
- DSR Availability**
DSR Review Period: 11 January 2016 – 09 February 2016
- FSR Availability and Submission to DEA**
February 2016

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PUBLIC PARTICIPATION – EIA PHASE AND BA SIVEST

ONGOING I&AP IDENTIFICATION & CONSULTATION

- Environmental Meetings**
14 March 2016
- DEA Acceptance of FSR and EIA Plan of Study**
April 2016
- EIA Newsletter**
April 2016
- DEIAr and DBAR Availability**
April 2016
- FEIAr and FBAR Availability and Submission to DEA**
June 2016
- Notify I&APs of EA and Appeal Process**
September/October 2016

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DISCUSSION

SIVEST

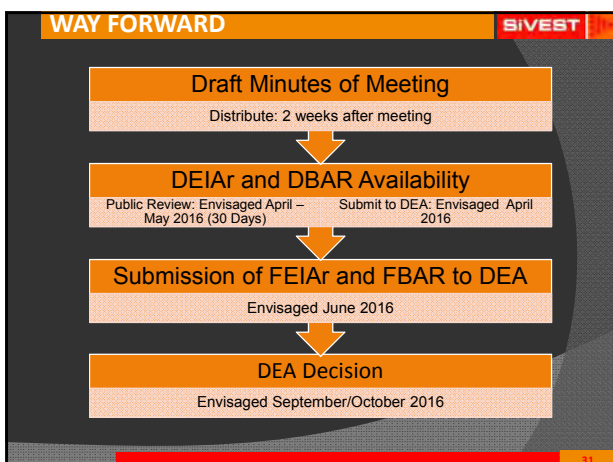
29

CONTACT DETAILS SIVEST

SIVEST Environmental Division
 PO Box 2921
 Rivonia
 2128

Lynsey Rimbault/ Nicolene Venter
 ☎ Phone: (011) 798 0600
 ☎ Fax: (011) 803 7272
 ✉ E-mail: lynseyr@sivest.co.za / nicolenev@zitholele.co.za
 🌐 Website: www.sivest.co.za

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Annexure C

PROOF OF NOTIFICATION

Hlengiwe Ntuli

From: Hlengiwe Ntuli
Sent: 07 March 2016 06:10 PM
Cc: Rebecca Thomas; Lynsey Rimbault; 'nicolenev@zitholele.co.za'
Subject: Tlisitseng PV Public Meeting Invitation
Attachments: 13303 Tlisitseng PM Agenda Rev 1_7March2016 RT_combined.pdf; 13303 Tlisitseng PM Registration Form_Rev 1_7March2016 RT_combined.pdf

Tracking:

Recipient	Delivery	Read
Rebecca Thomas	Delivered: 2016/03/07 06:10 PM	Read: 2016/03/08 09:32 AM
Lynsey Rimbault	Delivered: 2016/03/07 06:10 PM	
'nicolenev@zitholele.co.za'		
'Neil Faber'		
'Mariette Steynberg'		
'Kobus Visser'		
'Simphiwe Masilela'		
'Johanna Morobane'		
'Simon Gear'		
'Godfrey Samore'		
'Mashudu Marubini'		
'Anneliza Collett'		
'Thoko Buthelezi'		
'Pheladi Masipa'		
'Lerato April'		
'Seoka Lekota'		
'Mmatlala Rabothata'		
'Pieter Swart'		
'Doris Maumela'		
'Lesego Holele'		
'Pogiso Maitshotlo'		
'J Molefe'		
'KRJ Zandamela'		
'John Geeringh'		
'Lourens Leeuwner'		
'Ferdinand Hartzenberg'		
'JH Nel'		
'G Pieterse'		
'Wessel Wessels'		
'Jan Steunman'		
'Gysbert Goedhals'		
'J Hechter'		
'Marlaine Andersen'		
'Mpho Phiri'		
'M W Moholatsi'		
'Lehlohonolo March'		

Recipient	Delivery	Read
'Nono Dince'		
'Yoliswa Sechoaro'		
'Alfred Mafune'		
'Matshediso Mahlaku'		
'Tebogo Sethosa'		
'Bonolo Mohlakoana'		
'SM Matsheka'		
'Lizell Stroh'		
'Harry Roberts'		
'J Oliver'		
'Shaun Dyers'		
'Johan Koegelenberg'		
'Chris Nthaudi'		
'Annette Van Zyl-Swart'		
'Sam Fiff'		
'Suzanne Erasmus'		
'Morgan Griffiths'		

***** Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account. *****

Dear Interested and Affected Party,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BA) FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
 TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890 TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
 TLISITSENG 2 SUBSTATION AND POWER LINE: To be confirmed

- INVITATION TO PUBLIC MEETING

We would like to take this opportunity to invite you to attend the Public Meeting that will be held for the above-mentioned proposed project on:

DATE	TIMES	VENUES
Monday, 14 March 2016	Starts at: 18h00 Registration from: 17h45	Lichtenburg Town Hall / Soepe Hall, on Nelson Mandela Drive, Lichtenburg

To ensure that sufficient seating is provided at the venue, we kindly request that you complete the attached Registration Form and return it to the Public Participation team on or before Thursday, 10 March 2016.

The purpose of the Public Meeting is outlined in the attached draft agenda.

Your input into this EIA process is highly valued as it will help identify, and if required address, any environmental impacts that may be associated with this proposed project during the Scoping phase.

We encourage you to attend and participate in the Public Meeting and thank you in anticipation for your active and meaningful contribution to the EIA process.

Beste Belangstellende en/of Geaffekteerde Party,

OMGEWINGSIMPAKEVALUERING (OIE) EN OMGEWINGSBESTUURSPROGRAM (OBPr) VIR DIE VOORGESTELDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 75MW FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE, EN BASIESE EVALUERING (BE) VIR DIE GEASSOSIEERDE 132KV KRAGLYNE NABY LICHTENBURG, NOORDWES PROVINSIE

DO Verw. No. TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889

TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890 TLISITSENG 1 SUBSTATION AND POWER LINE: Ter bevestiging

TLISITSENG 2 SUBSTATION AND POWER LINE: Ter bevestiging

- **UITNODIGING NA PUBLIEKEVERGADERING**

Ons maak graag van hierdie geleentheid gebruik om u uit te nooi om die Publiekevergadering wat vir die bogenoemde voorgestelde projek gehou word op:

DATUM	TYD	PLEK
Maandag, 14 Maart 2016	Begin om: 18h00 Registrasie vanaf: 17h45	Lichtenburg Town Hall / Soepee Hall, Nelson Mandela Drive, Lichtenburg

Om te verseker dat ons voorsiening maak vir alle teenwoordiges, versoek ons u vriendelik om die ingeslote Registrasievorm te voltooi en aan die Openbare Deelname span te stuur voor of op Donderdag, 10 Maart 2016.

Die doel van die Publiekevergadering is vervat in die ingeslote konsep agenda.

U insette in die OIS-proses word hoog op prys gestel aangesien dit sal bydrae tot die identifisering van, en indien nodig die gepaardgaande ondersoek tydens die Bestekopnamefase, van enige omgewingsimpakte wat met hierdie voorgestelde projek geassosieer mag word.

Ons moedig u bywoning en deelname by die Publiekevergadering aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die OIS-proses.

REBECCA THOMAS (B.Sc Env. Sc.; PDM Business Management) Senior Environmental Scientist SiVEST Environmental Division

SiVEST is a Level 3 BBBEE Contributor

direct +27 11 798 0634 tel +27 11 798 0600 fax +27 11 803 7272 cell +27 82 302 9010

email rebeccat@sivest.co.za website www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

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email shaunt@sivest.co.za website www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

Your reference

Our reference 13303

Date 7 March 2016

Dear Interested and Affected Party,

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE TWO TLISITSENG SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, AND BASIC ASSESSMENTS (BA) FOR THE ASSOCIATED SUBSTATIONS AND POWER LINES, NEAR LICHTENBURG, NORTH WEST PROVINCE

DEA Ref. TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890
TLISITSENG 1 SUBSTATION AND POWER LINE: To be confirmed
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The purpose of the Public Meeting is outlined in the attached draft agenda.

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We encourage you to attend and participate in the Public Meeting and thank you in anticipation for your active and meaningful contribution to the EIA process.

Yours sincerely,



Rebecca Thomas
Environmental Practitioner
SIVEST Environmental Division

Documents attached: Draft Agenda
Registration Form

Your reference

Our reference 13303

Date 7 Maart 2016

Beste Belangstellende en/of Geaffekteerde Party,

OMGEWINGSIMPAAKEVALUERING (OIE) EN OMGEWINGSBESTUURSPROGRAM (OBPr) VIR DIE VOORGESTELDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 75MW FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE, EN BASIESE EVALUERING (BE) VIR DIE GEASSOSIEERDE 132KV KRAGLYNE NABY LICHTENBURG, NOORDWES PROVINSIE

DO Verw. No. TLISITSENG PV SOLAR 1: 14/12/16/3/3/2/889
TLISITSENG PV SOLAR 2: 14/12/16/3/3/2/890
TLISITSENG 1 SUBSTATION AND POWER LINE: Ter bevestiging
TLISITSENG 2 SUBSTATION AND POWER LINE: Ter bevestiging

• **UITNODIGING NA PUBLIEKEVERGADERING**

Ons maak graag van hierdie geleentheid gebruik om u uit te nooi om die Publiekevergadering wat vir die bogenoemde voorgestelde projek gehou word op:

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Die doel van die Publiekevergadering is vervat in die ingeslote konsep agenda.

U insette in die OIS-proses word hoog op prys gestel aangesien dit sal bydrae tot die identifisering van, en indien nodig die gepaardgaande ondersoek tydens die Bestekopnamefase, van enige omgewingsimpakte wat met hierdie voorgestelde projek geassosieer mag word.

Ons moedig u bywoning en deelname by die Publiekevergadering aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die OIS-proses.

Vriendelike groete,



Rebecca Thomas
Omgewingskonsultant
SIVEST Omgewingsafdeling

Ingeslote Dokumente: Konsep Agenda
Registrasievorm

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

(DEA Reference Number to be announced)

Co-ordinates: 26° 4'19.35"S & 26° 7'29.32"E



Figure 1: Western entrance to Houthaalbomen (PV Site) - off the R505



Figure 2: Left gate post of the western entrance to the Farm Houthaalbomen (Afrikaans site notice)



Figure 3: Left gate post of the western entrance to the Farm Houthaalbomen



Figure 4: Right gate post of the western entrance to the Farm Houthaalboomen (English site notice)



Figure 5: Right gate post of the western entrance to the Farm Houthaalboomen



Figure 6: Eastern entrance to Houthaalboomen (PV Site) - off the R505



Figure 7: Left gate post of the eastern entrance to the Farm Houthaalboomen (Afrikaans site notice)



Figure 8: Left gate post of the eastern entrance to the Farm Houthaalboomen (erected by Mariette Steynberg, Socio-Economic Specialist)



Figure 9: Right gate post of the eastern entrance to the Farm Houthaalboomen (Afrikaans site notice)



Figure 10: Right gate post of the eastern entrance to the Farm Houthaalboomen (erected by Mariette Steynberg, Socio-Economic Specialist)

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014, notice is hereby given that BioTherm Energy (Pty) Ltd has appointed SiVEST SA (Pty) Ltd, as the independent environmental assessment practitioner (EAP), to undertake the required EIA and public participation processes for the above-mentioned proposed projects:

PROJECT DESCRIPTION

BioTherm Energy (Pty) Ltd (hereafter referred to as BioTherm) are proposing to develop two (2) Tlisitseng solar photovoltaic (PV) energy facilities (hereafter referred to as the "proposed development") near Lichtenburg, North West Province. The proposed development will consist of two (2) 75MW solar PV energy facilities, namely Tlisitseng 1 and Tlisitseng 2. In addition, BioTherm are proposing to construct two 132kV power lines in order to connect the proposed solar PV energy facilities to the existing Watershed Main Transmission Substation (MTS). The overall objective of the project is to generate electricity to feed into the national Eskom grid.

As such, two (2) EIAs will be undertaken, one for each proposed Tlisitseng solar PV energy facility. In addition, two (2) BAs will be undertaken, one for each associated 132kV power line. Although each PV energy facility and the electrical infrastructure will be assessed separately, a single public participation process is being undertaken for all four (4) proposed projects.

PROJECT LOCATION

The proposed project is located within the North West Province approximately 8km north-west of Lichtenburg. It falls within the Ditsobotla Local Municipality that forms part of the Ngaka Modiri Molema District Municipality. The project includes the following farms:

- Portion 25 of the farm Houthaalboom No. 31 (PV energy facility)
- Portion 2 of the farm Talene No. 25 (Power Lines)
- Portion 3 of the farm Talene No. 25 (Power Lines)
- Portion 4 of the farm Talene No. 25 (Power Lines)
- Remainder of Portion 1 of the farm Lichtenburg Town and Townlands No. 27 (Power Lines)
- Portion 10 of the farm Lichtenburg Town and Townlands No. 27 (Power Lines)
- Portion 24 of the farm Houthaalboomen No. 31 (Power Lines)

To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information please submit your name, contact details and the interest which you have in the application to the Environmental Consultants below:

Andrea Gibb or Lynsey Rimbault	
SiVEST Environmental	
P O Box 2921	Tel: (011) 798 0600
RIVONIA	Fax: (011) 803 7272
2128	E-mail: andreag@sivest.co.za or lynseyr@sivest.co.za
Website: www.sivest.co.za	

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 75 MW FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN BASIESE EVALUERINGS (BE'S) VIR DIE GEPAARDGAANDE 132 KV KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA), soos gewysig, en die Regulasies op Omgewingsimpevaluering (OIE-regulasies) ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 ingevolge kennis hiermee dat BioTherm Energy (Edms.) Bpk. SIVEST SA (Edms.) Bpk. aangestel het as die onafhanklike omgewingsevalueringpraktisyn (OEP) ten einde die nodige OIE en openbare deelnameproses vir die bogenoemde voorgestelde projekte te onderneem:

PROJEKBESKRYWING

BioTherm Energy (Edms.) Bpk. (hierna BioTherm genoem) stel die oprigting voor twee (2) Tlisitseng fotovoltaiëse (FV) sonkragaanlegte (hierna die "beoogde ontwikkeling" genoem) naby Lichtenburg, Noordwes-provinsie. Die beoogde ontwikkeling sal bestaan uit twee (2) FV-sonkragaanlegte van 75 MW elk wat as Tlisitseng 1 en Tlisitseng 2 sal bekendstaan. Daarbenewens beoog BioTherm die oprigting van twee 132 kV kraglyne ten einde die beoogde FV-sonkragaanlegte met die bestaande Watershed Hooftransmissiesubstasie (HTS) te verbind. Die oorkoepelende doelwit van die projek is om elektrisiteit op te wek om in Eskom se nasionale kragnet in te voer.

Derhalwe sal twee (2) OIE's onderneem word; een vir elk van die beoogde Tlisitseng FV-sonkragaanlegte. Daarbenewens sal twee (2) BE's onderneem word; een vir elk van die geaardgaande 132 kV kraglyne. Hoewel elke FV-aanleg en die elektriese infrastruktuur apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al vier (4) beoogde projekte onderneem.

PROJEKLIIGING

Die beoogde projek is geleë in die Noordwes-provinsie, sowat 8 km noordwes van Lichtenburg. Dit is in die Ditsobotla Plaaslike Munisipaliteit geleë, wat deel vorm van die Ngaka Modiri Molema Distriksmunisipaliteit. Die projek sluit die volgende plase in:

- Gedeelte 25 van die plaas Houthaalboom No. 31 (FV-aanleg)
- Gedeelte 2 van die plaas Talene No. 25 (Kraglyne)
- Gedeelte 3 van die plaas Talene No. 25 (Kraglyne)
- Gedeelte 4 van die plaas Talene No. 25 (Kraglyne)
- Restant van Gedeelte 1 van die plaas Lichtenburg Town and Townlands No. 27 (Kraglyne)
- Gedeelte 10 van die plaas Lichtenburg Town and Townlands No. 27 (Kraglyne)
- Gedeelte 24 van die plaas Houthaalboomen No. 31 (Kraglyne)

Ten einde as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom, moet u asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het aan die Omgewingskonsultante hieronder:

Andrea Gibb of Lynsey Rimbault	
SIVEST Environmental	
Posbus 2921	Tel: 011 798 0600
RIVONIA	Faks: 011 803 7272
2128	E-pos: andreag@sivest.co.za of lynseyr@sivest.co.za
Webwerf: www.sivest.co.za	

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

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As such, two (2) EIAs will be undertaken, one for each proposed Tlisitseng solar PV energy facility. In addition, two (2) BAs will be undertaken, one for each associated 132kV power line. Although each PV energy facility and the electrical infrastructure will be assessed separately, a single public participation process is being undertaken for all four (4) proposed projects.

PROJECT LOCATION

The proposed project is located within the North West Province approximately 8km north-west of Lichtenburg. It falls within the Ditsobotla Local Municipality that forms part of the Ngaka Modiri Molema District Municipality. The project includes the following farms:

- Portion 25 of the farm Houthaalboom No. 31
- Remainder of Portion 1 of the farm Lichtenburg Town and Townlands No. 27
- Portion 10 of the farm Lichtenburg Town and Townlands No. 27

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

The Draft Scoping Reports (DSRs) for the proposed development of the two (2) Tlisitseng 75MW solar PV energy facilities will be available for public comment and review as from **Thursday 29 September 2016 to Monday 31 October 2016** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays 09h00 – 12h00	018 633 3904

The reports are also available on SiVEST's website: <http://www.sivest.co.za/>, then browse to the folder '13303 Tlisitseng PV Energy Development'.

To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information please submit your name, contact details and the interest which you have in the application within 30 days from the date of this notice. Please direct enquiries, **in writing**, to the Environmental Consultants below:

Andrea Gibb	
SIVEST Environmental P O Box 2921 RIVONIA 2128	Tel: (011) 798 0600 Fax: (011) 803 7272 E-mail: andreag@sivest.co.za Website: www.sivest.co.za

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEE (2) TLISITSENG 75 MW FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN BASIESE EVALUERINGS (BE'S) VIR DIE GEPAARDGAANDE 132 KV KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA), soos gewysig, en die Regulasies op Omgewingsimpakevaluering (OIE-regulasies) ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 ingevolge kennis hiermee dat BioTherm Energy (Edms.) Bpk. SiVEST SA (Edms.) Bpk. aangestel het as die onafhanklike omgewingsevalueringpraktisyn (OEP) ten einde die nodige OIE en openbare deelnameproses vir die bogenoemde voorgestelde projekte te onderneem:

PROJEKBESKRYWING

BioTherm Energy (Edms.) Bpk. (hierna BioTherm genoem) stel die oprigting voor twee (2) Tlisitseng fotovoltaïese (FV) sonkragaanlegte (hierna die "beoogde ontwikkeling" genoem) naby Lichtenburg, Noordwes-provinsie. Die beoogde ontwikkeling sal bestaan uit twee (2) FV-sonkragaanlegte van 75 MW elk wat as Tlisitseng 1 en Tlisitseng 2 sal bekendstaan. Daarbenewens beoog BioTherm die oprigting van twee 132 kV kraglyne ten einde die beoogde FV-sonkragaanlegte met die bestaande Watershed Hooftransmissiesubstasie (HTS) te verbind. Die oorkoepelende doelwit van die projek is om elektrisiteit op te wek om in die nasionale kragnet in te voer.

Derhalwe sal twee (2) OIE's onderneem word; een vir elk van die beoogde Tlisitseng FV-sonkragaanlegte. Daarbenewens sal twee (2) BE's onderneem word; een vir elk van die gepaardgaande 132 kV kraglyne. Hoewel elke FV-aanleg en die elektriese infrastruktuur apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al vier (4) beoogde projekte onderneem.

PROJEKLIIGING

Die beoogde projek is geleë in die Noordwes-provinsie, sowat 8 km noordwes van Lichtenburg. Dit is in die Ditsobotla Plaaslike Munisipaliteit geleë, wat deel vorm van die Ngaka Modiri Molema Distriksmunisipaliteit. Die projek sluit die volgende plase in:

- Gedeelte 25 van die plaas Houthaalboom No. 31
- Restant van Gedeelte 1 van die plaas Lichtenburg Town and Townlands No. 27
- Gedeelte 10 van die plaas Lichtenburg Town and Townlands No. 27

UITNODIGING OM KOMENTAAR TE LEWER OP DIE KONSEP BESTEKOPNAMEVERSLAE

Die Konsep Bestekopnameverslae vir die beoogde ontwikkeling van die twee (2) Tlisitseng 75 MW FV sonkragaanlegte beskikbaar sal wees vir openbare kommentaar en oorsig vanaf **Donderdag 29 September 2016 tot Maandag 31 Oktober 2016** (teen sluitingstyd). Sou u graag 'n elektroniese kopie van die Konsep Bestekopnameverslae op CD wil ontvang, kan u dit skriftelik by ons aanvra. Gedrukte eksemplare van die Konsep Bestekopnameverslae sal ook by die volgende openbare plek beskikbaar wees vir besigtiging:

PLEK	STRAATADRES	KANTOOR URE	KONTAKNO.
Lichtenburg Openbare Biblioteek	Nelson Mandela Drive, Lichtenburg	Maandae- Donderdae 09h00 – 17h30 Vrydae 09h00 – 17h00 Saterdag 09h00 – 12h00	018 633 3904

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Ten einde as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom, moet u asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het binne 30 dae vanaf die datum van hierdie kennisgewing indien. Rig asseblief u **skriftelike** navrae aan die Omgewingskonsultante hieronder:

Andrea Gibb	
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Trokke deur slaggate-nagmerrie

NOORDWESTER – LICHTENBURG – Ter aansluiting by die berig verlede week van die steurnis wat trokke in die dorp op die publiek het, het inwoners van Retiefpark en omliggende buurte naby Ferdi Hartzenberg Rylaan ook hulle misnoë uitgespreek oor trokke wat dag en nag deur die slaggate op die pad knars.

Inwoners is dit eens dat die pad wat voordurend deur groot trokke gebruik word almal in die omgewing se rus verstoort omdat dit veral in die nagtelike ure is, wanneer klank verder trek, dat mens kan hoor hoe hulle hul weg moet baan deur reuse slaggate. Volgens een van die inwoners word tussen 20 en 30 trokke per nag op die pad getel. Ferdi Hartzenberg Rylaan is lankal nie meer slegs 'n teerpad nie. Groot dele van die pad word gekenmerk deur slaggate en groot gedeeltes grond waar die teer al lankal tot niet is.

Die woonbuurte en besighede in die omgewing van die pad is pal toe onder stof

en die veeartse, kwekery en Dierewelsyn is moeilik bereikbaar omdat die publiek nie meer kans sien om hul voertuie op dié pad op die spel te plaas nie.

Die pad is al vir baie lank in die swak toestand en is nou onbegaanbaar, miskien moet die Departement van Paaie dringende ondersoek instel en 'n daadwerklike poging aanwend om die pad te herstel sodat padgebruikers dit weer met hul voertuie op die pad kan waag en inwoners nie in die nag deur die klank van trokke wat deur slaggate "val" gehinderd moet word nie!



Ferdi Hartzenberg Rylaan wat verby 'n kwekery en die veeartse loop is tans 'n warboel van slaggate en stof wat pal in die lug hang.



Ferdi Hartzenberg Rylaan is 'n provinsiale pad wat glad nie in stand gehou word nie. Swaar verkeer veral deur trokke het die pad reeds laat disintegreer. Inwoners van veral Retiefpark word swaar getref deur stofwolke wat oor huise hang en rusverstooring in die nag as trokke deur die slaggate beur.



Oppad na die draai by die Wildteelsentrum word Ferdi Hartzenberg Rylaan gekenmerk deur reuse slaggate en stofpaaie waar die teer al tot niet is. Skade aan trokke is onvermydelik.

SIVEST
Environmental Division

SIVEST
Established in 1952

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE TWO (2) TLISITSENG 75MW SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED 132kV POWER LINES NEAR LICHTENBURG, NORTH WEST PROVINCE

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R932, R983, R984 and R985 promulgated on 4 December 2014, notice is hereby given that BioTherm Energy (Pty) Ltd has appointed SiVEST SA (Pty) Ltd, as the independent environmental assessment practitioner (EAP), to undertake the required EIA and public participation processes for the above-mentioned proposed projects:

PROJECT DESCRIPTION

BioTherm Energy (Pty) Ltd (hereafter referred to as BioTherm) are proposing to develop two (2) Tlisitseng solar photovoltaic (PV) energy facilities (hereafter referred to as the "proposed development") near Lichtenburg, North West Province. The proposed development will consist of two (2) 75MW solar PV energy facilities, namely Tlisitseng 1 and Tlisitseng 2. In addition, BioTherm are proposing to construct two 132kV power lines in order to connect the proposed solar PV energy facilities to the existing Watershed Main Transmission Substation (MTS). The overall objective of the project is to generate electricity to feed into the national grid.

As such, two (2) EIAs will be undertaken, one for each proposed Tlisitseng solar PV energy facility. In addition, two (2) BAs will be undertaken, one for each associated 132kV power line. Although each PV energy facility and the electrical infrastructure will be assessed separately, a single public participation process is being undertaken for all four (4) proposed projects.

PROJECT LOCATION

The proposed project is located within the North West Province approximately 8km north-west of Lichtenburg. It falls within the Ditsobotla Local Municipality that forms part of the Ngaka Modiri Molema District Municipality. The project includes the following farms:

- Portion 25 of the farm Houthaalboom No. 31
- Remainder of Portion 1 of the farm Lichtenburg Town and Townlands No. 27
- Portion 10 of the farm Lichtenburg Town and Townlands No. 27

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

The Draft Scoping Reports (DSRs) for the proposed development of the two (2) Tlisitseng 75MW solar PV energy facilities will be available for public comment and review as from **Thursday 29 September 2016 to Monday 31 October 2016** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Lichtenburg Public Library	Nelson Mandela Drive, Lichtenburg	Mondays- Thursdays 09h00 – 17h30 Fridays 09h00 – 17h00 Saturdays 09h00 – 12h00	018 633 3904

The reports are also available on SIVEST's website: <http://www.sivest.co.za/>, then browse to the 'older' 13303 Tlisitseng PV Energy Development'.

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SIVEST
Omgewingsafdeling

SIVEST
Gestig in 1952

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE TWEË (2) TLISITSENG 75 MW FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE 132 KV KRAGLYNE NABY LICHTENBURG, NOORDWES-PROVINSIE

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PROJEKLEGGING

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