

## REPORT

# **BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP**

### Public Participation Summary Report

Client: ACWA Power Energy Africa Pty (Ltd)

Reference: MD4195-RHD-ZZ-XX-RP-YE-0001

Status: 03/Final

Date: 07-Jul-20

ROYAL HASKONINGDHV (PTY) LTD

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191  
Southern Africa  
Reg No. 1966/001916/07  
  
+27 87 352 1500 **T**  
+27 11 798 6005 **F**  
pretoria@rhdhv.com **E**  
royalhaskoningdhv.com **W**

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Author(s): Seshni Govender

Drafted by: Seshni Govender

Checked by: Prashika Reddy

Date / initials: 07.07.2020 P.R

Approved by: Prashika Reddy

Date / initials: 07.07.2020 P.R

Classification

Project related



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## 1 Introduction

### 1.1 Background

ACWA Power Energy Africa (Pty) Ltd (hereafter referred to as ACWA Power) is proposing to construct a solar energy facility consisting of ten (10) photovoltaic (PV) plants on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km north-west of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcau District Municipality, Northern Cape Province.

On 21 October 2016, a 150 MW Concentrating Solar Power (CSP) plant on 900 ha, was authorised by the Department of Environmental Affairs (DEA) – *Ref 14/12/16/3/3/2/879*. Due to the changes in the Integrated Resource Plan (IRP) published in October 2019, ACWA Power intend replacing the authorised CSP site with eight (8) new PV plants. The updated layout has been revised to incorporate the 8 new PV plants of 200 MW each, covering a total of 1200 ha (i.e. 150 ha for each plant).

Individual applications for Environmental Authorisation will be lodged per plant (8 applications), however, one Basic Assessment (BA) study is applicable to the entire development footprint for the 8 individual plants.

Two (2) 75 MW PV plants including ancillary infrastructure (*Ref 14/12/16/3/3/2/880* and *14/12/16/3/3/2/881*), were also authorised by the DEA on 24 October 2016. The intention to replace the CSP with 8 PV plants will result in development footprint changes of the overall project. As such PV 1 (Ndebele) and PV 2 (Xhosa) plants will undergo a non-substantive amendment to better cater for the overall project development and ancillary infrastructure. The substantive amendment will include:

- Name changes – PV 1 and PV 2 to *Ndebele* and *Xhosa* respectively;
- Updated co-ordinates of each PV plant; and
- Updated technical description.

A second Basic Assessment study is being undertaken to accommodate the following on the already authorised Xhosa and Ndebele PV Plants:

1. The Battery Energy Storage System (BESS) that will be associated with the Ndebele PV Plant (formerly PV 1) and the Xhosa PV Plant (formerly PV2). This activity was applied for in the original environmental process but was not approved due to lack of information with regards to the type of technology to be used. The BESS footprint is approximately 16ha and will store 4500m<sup>3</sup> of hazardous substances with a battery power capacity of 150MW.
2. The electricity generation capacity of the PV 1 & 2 Plants will be 200 MW [75 MW was originally approved in the EAs dated 24/10/2016 (*Ref: 14/12/16/3/3/2/881* & *Ref 14/12/16/3/3/2/880*). It was confirmed in the IQ/20/0004 correspondence from the Department of Environmental Affairs, Forestry and Fisheries (DEFF) that the electricity generation of more than 20MW from a Renewable Resource listed activity is now triggered and must be applied for due to the increase in capacity].

In order to avoid stakeholder fatigue, the public participation process will be combined for both processes.

### 1.2 Public Participation Process

Public Participation (PP) is a process that is designed to enable all interested and affected parties (I&APs) to voice their opinion and/or concerns which enables the practitioner to evaluate all aspects of the proposed development, with the objective of improving the project by maximising its benefits while minimising its adverse effects.

The PP Process must adhere to the requirements of Regulations 41 and 42 (GNR 982) as amended in 2017. Further, a PP guideline in terms of NEMA was issued by the DEFF in 2017, of which provisions will also be implemented.

The PP Process for proposed project will be undertaken according to the stages outlined below as well as the requirements for the stakeholders.



**Figure 1-1: Responsibilities of I&APs**

### 1.3 Purpose of the Report

The key purpose of this PP Summary Report is to:

- Summarise the PP Process undertaken for the BA study;
- Highlight what has been done to date;
- Synthesise the issues and concerns identified by I&APs and various stakeholders during the PP Process; and
- Synthesise comments on the proposed development.

### 1.4 Terms of Reference for Public Participation

The terms of reference for the implementation of a successful and robust PP Process, were as follows:

- Identification of I&APs in the vicinity of the study area;
- Provision to all I&APs of an opportunity to comment or raise concerns regarding the project;
- Maintenance of procedures for communication with I&APs and receiving, documenting and responding to relevant communication from I&APs;
- Identification and elimination of any sources of misunderstandings between the Applicant, EAP and the I&APs;
- Always aim to improve the communication between the Applicant, EAP and I&APs;
- Present the project in an objective way by supplying all appropriate, relevant and accurate information and facts in an unbiased manner to ensure a better understanding of the proposed project; and
- Ensure that the PP Process is an independent and transparent process.

### 1.5 Public Participation Summary

The PP Process commenced in November 2019 where comment forms and Background Information Documents (BID) were distributed to the I&APs and Councillors as well as commenting authorities. I&APs were introduced to the project and encouraged to register on the database.

Site notices were erected at strategic locations around the study area, which was also erected in November 2019.

An advertisement will be placed in the Volksblad Newspaper on the 04 March 2020 followed by a commenting period which will provide an opportunity for the I&APs to raise their issues and concerns regarding the proposed activity.

In March 2020 I&APs were informed of the public review and comment period for the following reports:

- Project 1 - Basic Assessment for the Proposed 200MW Ndebele and Xhosa Photovoltaic Plant Developments and associated Battery Energy Storage System on the Remaining Extent of the Farm Bokpoort 390 Near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province; and
- Project 2 - Basic Assessment for the Proposed Development of Eight 200MW Photovoltaic (PV) Plants on the Remaining Extent of Farm Bokpoort 390, Groblershoop, Northern Cape.

Correspondence was sent to I&APs on 02 June 2020 indicating that the commenting period was from **02 June - 12 June 2020** for Project 1 (BESS and capacity increase) but further guidance from the Department of Environmental Affairs, Forestry and Fisheries (DEFF), indicated that the cBAR review and comment period has to be amended based on *Gazette No. 43412 GN. R 650: Disaster Management Act (57/2002): Directions Regarding Measures to Address, Prevent and Combat the Spread of COVID-19 Relating to National Environmental Management Permits and Licences*, from **06 June – 06 July 2020**. Further to this for Project 2, this original cBAR was also made available for a review and commenting period from **06 June to 06 July 2020**. A public meeting was held on 18 June 2020 at 10:00 at the !Kheis Riverside Lodge and a virtual option for the meeting was provided using the *Microsoft Teams* platform.

## 2 Identification of I&APs

The first step in the PP Process entailed the identification of key I&APs and Stakeholders, including:

- Local and provincial government;
- Affected and neighbouring landowners; and
- General I&APs.

An I&AP database (**Appendix A**) and Proof of notification (**Appendix B**) has been compiled which has been maintained and updated throughout the duration of the BA study thus far.

## 3 Site Notices

The NEMA EIA Regulations (2014 as amended in 2017) require that a site notice be fixed at a place conspicuous to the public at the boundary or on the fence of the site where the activity to which the application relates is to be undertaken and on any alternative sites. The purpose of this is to notify the public of the project and to invite the public to register as stakeholders and inform them of the PP Process. Royal HaskoningDHV erected site notices at various noticeable locations around the perimeter of the site and at strategic locations on or near the site (entrance to the Bokpoort 1 Solar Facility, !Kheis Municipality, intersection of the N8 and Gariep Road, intersection of Gariep Road and N10 link Road and Intersection of Gariep Road and Transnet Road).

### 3.1 Proof of Placement of Site Notices







Figure 3-1: Site notices placed along the Bokpoort 1 Solar Facility entrance



Figure 3-2: Site notice placed at the !Kheis Local Municipality

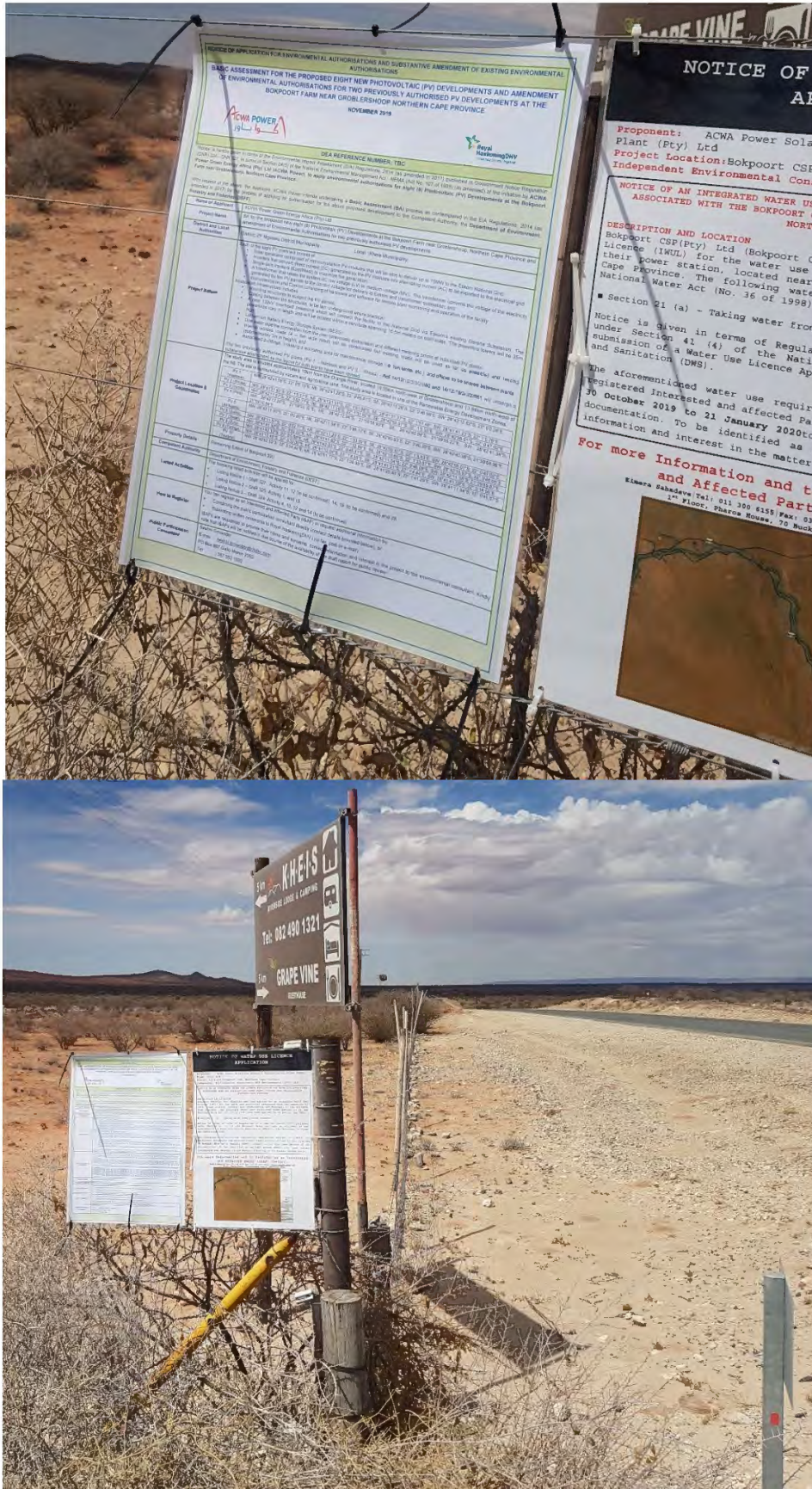




Figure 3-3: Site notice at the intersection of the N8 and Gariep Road



Figure 3-4: Site notice placed at the intersection between the Gariep Road and the N10 Link Road



Figure 3-5: Site notice placed at the intersection between the Gariep Road and the Transnet Road

## 4 Background Information Document

A briefing paper or BID (**Appendix C**) for the project was compiled in English and Afrikaans. The aim of this document is to provide a brief outline of the application and the nature of the development. It is also aimed at providing preliminary details regarding the BA study and explains how I&APs could become involved in the project. The briefing paper was distributed to all identified I&APs and stakeholders, together with a registration/comment sheet inviting I&APs to submit details of any issues, concerns or inputs they might have with regards to the project.

## 5 Advertisement

In compliance with the EIA Regulations (2014 as amended in 2017), notification of the commencement of the BA study for the project was advertised in a one local newspaper, the Volksblad Newspaper on 04 March 2020 in English (**Appendix D**). An advert was placed in the Volksblad Newspaper on 04 June 2020 for the review of the PV plants taking into consideration the implications that arose due to the lockdown.

I&APs were requested to register their interest in the project and become involved in the BA study. The primary aim of this advertisement was to ensure that the widest group of I&APs possible was informed and invited to provide input and questions and comments on the project. I&APs were also notified of the availability of the draft cBAR for public review.

## 6 Public Review of the Draft Consultation BAR

The draft cBAR was made available for authority and public review for a total of 21 days from 06 March – 26 March 2020. Due national state of disaster being declared due to COVID-19, the country has been on lockdown from 27 March 2020.

The report was made available at the following public locations within the study area, which are all readily accessible to I&APs:

- !Kheis Local Municipal Clinic - Groblershoop;
- !Kheis Municipal Public Library - Groblershoop;
- Electronically on the Royal HaskoningDHV Website: <https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

The consultation Basic Assessment Reports (cBARs) review and comment period was proposed from 06 March – 06 April 2020 (30 days) for both Project 1 and Project 2, however due to the current COVID-19 crisis that has resulted in a National State of Disaster being declared and a lockdown (Level 5) instituted between midnight 26 March, I&APs were only afforded 21 days out of the mandatory 30-day review and commenting period.

Correspondence was sent to I&APs on 02 June 2020 indicating that the commenting period was from 02 June - 12 June 2020 for Project 1 (BESS and capacity increase) but further guidance from the DEFF, indicated that the cBAR review and comment period has to be amended based on *Gazette No. 43412 GN. R 650: Disaster Management Act (57/2002): Directions Regarding Measures to Address, Prevent and Combat the Spread of COVID-19 Relating to National Environmental Management Permits and Licences*, from 06 June – 06 July 2020.

Further to this for Project 2, the original cBAR was also available for a review and commenting period from 06 June to 06 July 2020. Both cBARs were made available electronically on the Royal HaskoningDHV website.

The DEFF has also requested a generic Environmental Management Programme (EMPr) for the powerline component for Project 2, the commenting period for the revised BAR and EMPr is 08 July to 07 August 2020.

## 7 Public Meeting

A public meeting was scheduled for the 26 March 2020 but due to the announcement on 23 March 2020 of the national lockdown due to the Covid-19 pandemic, a risk averse approach was taken and the meeting was postponed, the presentation was provided to stakeholders and encouraged to send through comments.

A public meeting was held on 18 June 2020 at 10h00 at the !Kheis Riverside Lodge and an option to join virtually was provided using the *Microsoft Teams* platform. Minutes of the meeting (Draft) are provided in **Appendix E**.

## 8 Issues Trail

Copies/ proof of comments received from stakeholders and I&APs are included in **Appendix F**.

The key issues raised by the I&APs included the following:

- Commitment that at least 4MW (negotiable) will be for the direct benefit of the municipality for current and future developments.
- Possible glare from PV cells.
- Impacts on Transnet Freight Rail Service Road, property, blasting and excavations, equipment or heavy plant crossing of the tracks and applications for 50kV OHTE permits.
- The proponent must take cognisance of Eskom requirements for works at or near Eskom infrastructure.
- Bird/ avifaunal collision with powerlines.
- The requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA.
- Cancellation of the public meeting noting comments raised.
- Concerns around the upgrading of the roads and safety issues;
- Status of the EIA process which was undertaken for the road upgrading.

Issues and concerns raised to date on the project has been compiled into an Issues Trail (**Appendix G**).

## 9 Environmental Authorisation

On receipt of environmental authorisation (positive or negative) for the project, I&APs registered on the project database will be informed of this authorisation and its associated terms and conditions by correspondence and advertisement.



## **Appendix A: I&AP Database**

Title	Name	Surname	Organisation	Job Title
Mr	Floyd	Leeuw	!Kheis Local Municipality	Municipal Manager
Mr	Jakobus	Blom	!Kheis Local Municipality	
Mr	Angelo	Daniels	!Kheis Local Municipality	LED Manager
Mr	Edward	de Klerk	!Kheis Local Municipality	Corporate Manager
Mr	Andries	Diergaardt	!Kheis Local Municipality	Ward Councillor: Ward 1
Mr	D	Dolopi	!Kheis Local Municipality	
Ms	Lizzy	Job	!Kheis Local Municipality	Personal Assistant to Mayor
Ms	Matilda	Mathupi	!Kheis Local Municipality	Librarian
Ms	Teresa	Scheepers	!Kheis Local Municipality	
Mr	Stephanus	van Eck	!Kheis Local Municipality	
Cllr	Paul	Vries	!Kheis Local Municipality	Mayor
Mr	Ockert	Bouwer	!Kheis Riverside Lodge	
Mr	Nandu	Bhula	ACWA Power	
Mr	Lusani	Rathanya	ACWA Power Africa Holdings	Project Analyst
Mr	Mike	Nlengana	African Farmers Association of South Africa (AFASA)	President: Northern Cape
Mr	Henning	Myburgh	Agri Northern Cape	Manager
Mr	Nicol	Jansen	Agri SA-Northern Cape	President: Northern Cape
Mr	Johan	Mouton	Agrimark	Operations Manager
Mr	Hennie	Marais	Air Traffic and Navigation Services (ATNS)	Executive: Air Traffic Management
Mr	J	Stander	Airports Company of South Africa	
Ms	Nongo	Dibede	Airports Company of South Africa - Upington Airport	Airport Manager
Ms	Helena	Buys	Alstop Supermarket	
Ms	Simphiwe	Masilela	ATNS	ATNS Obstacle Evaluator
Ms	Samantha	Ralston-Paton	Birdlife South Africa	
Mr	Andre	Kruger	Boegoeberg Water Association	
Mr	Jean	Lombard	Boegoeberg Water Use Association	Chief Executive Officer
Mr	Peter	Kotze	Boegoeberg Water Users Association	Chairperson
Mr	Jacques	Slabber	Crescendo Trust	
Mr	O	Gaorelwe	Department Environment and Nature Conservation	Deputy Director
Ms	Erna	Groeners	Department Environment and Nature Conservation	Deputy Director
Mr	Norman	Shushu	Department of Agriculture, Land Reform and Rural Development	MEC
Mr	Christo	Smit	Department of Agriculture, Land Reform and Rural Development	Deputy Director: Western Area
Ms	Tshidi	Nchabeleng	Department of Communications	
Ms	I	Mogodi	Department of Co-operative Governance, Human Settlement and Traditional Affairs	Chief Director: Human Settlements
Ms	Cynthia	Ferrys	Department of Education	Circuit manager: Keimoes Area
Ms	Ndumie	Madlongilwana	Department of Education	Literacy Co-ordinator
Mr		Madlongolwana	Department of Education	Circuit Manager: Groblershoop
Mr	Johannes	Nowalaza	Department of Education	
Ms	Lerato	April	Department of Energy	Project Administrator
Ms	Martha	Molokwane	Department of Environment and Nature Conservation	
Mr	Muhammed	Essop	Department of Environmental Affairs	Assistant Director
Ms	Mmatlala	Rabothata	Department of Environmental Affairs	
Ms	Dineo	Moleko	Department of Environmental Affairs (DEA)	Assistant Director: Impact Section
Ms	Millicent	Solomons	Department of Environmental Affairs (DEA)	Director
Mr	Seoka	Lekota	Department of Environmental Affairs:	
Mrs	Alet	Pienaar	Department of Social Development	Director: Research and Population Unit
Mr	Julian	WilliaMs	Department of Social Development	
Mr	Mervin	October	Department of Social Services and Population Development	Director
Mr	Luke	Solomon	Department of Social Services and Population Development	
Mr	Melvyn	Smith	Department of Sport, Arts and Culture	
Mr	Lionel	Archillies	Department of Trade and Industry	
Mr	J	Jonkens	Department of Transport, Safety and Liaison	
	MC	Cebekhulu	Department of Water and Sanitation	
Mr	Steven	Shibambu	Department of Water and Sanitation	Deputy Director
Mr	Sean	Cloete	Department of Water and Sanitation (DWS)	Head: Water Quality
Ms	Joline	Towell	Department of Water and Sanitation (DWS)	
Mr	Emmanuel	Thebe	Department of Water and Sanitation Area Office	Head: Water Control Officers
Mr	Nico	Fourie	Department Roads and Public Works	
Ms	Thoko	Buthelezi	Dept of Agricultur, Forrestry and Fisheries	
Mr	Dirk	Nortje	DJN Boerdery Pty Ltd	
Ms	Bridget	Mohlala	Economic Development Department	Director: Socio-Economic Development
Dr	K	Sikhitha	Economic Development Department	Chief Director: Green Economy
Mr	Pieter	Struwig	Eskom	Manager: Groblershoop Depot
Ms	Adila	Marengo	Eskom - Renewable Energy Independent Power	Producer Procurement Programme
Mr	Ronnie	Snyman	Eskom Holdings Ltd	Regional Supervisor: Transmissions/ Landowner
Ms	Justine	Wyngaardt	Eskom Holdings SOC Limited - Land Development	Environmental Advisor
Mr	John	Geeringh	Eskom Transmission	
Mr	Raymond	Brown	Farmer	

Mr	Pieter	de Witt	Farmer	
Mr	Pieter	du Plessis	Farmer	
Mr	Marthinus	Du Preez	Farmer	
Mr	Stephanus	Els	Farmer	
Mr	Wilco	Fourie	Farmer	
Mr	Gary	Gerber	Farmer	
Mr	Frank	Groenewald	Farmer	
Mrs	Elizabeth	Jordaan	Farmer	
Mr	Peter	Kotze	Farmer	
Mr	Barend	Louw	Farmer	
Mr	Jan	Reitz	Farmer	
Mr	Theunis	Strauss	Farmer	
Mrs	Susan	Van der Merwe	Farmer	
Mr	Johannes	van Jaarsveldt	Farmer	
Mr	Cornelius	Van Niekerk	Farmer	
Mr	Stephan	van Zyl	Farmer	
Mr	Louis	Kotze	Gariep Farmers Union	
Mr	Lucias	Moolman	General Manager: Northern Cape Parks	South African National Parks (SANPARKS)
Dr	D	de Waal	Golder	
Mrs	Mariette	Weiderman	Golder Associates Africa	
Mr	H	Koopman	Groblershoop Community Health Centre	
Mr	Chris	Honiball	Honiball Familie Trust	
Mr	Jannie	van Zyl	Jakkalsdans Farm	
Mr	A	Goussard	JCG Water Treatment	
Mr	J	Esterhuysen	JH Esterhuysen Familie Trust	
Mr	Dirk	Malan	Kalahari Water	
Mr	Charl	April	Khara Hais Local Municipality	
Mr	Hennie	Auret	Khara Hais Local Municipality	
Mr	Thomas	Basson	Khara Hais Local Municipality	Speaker
Mr	Gundlani	Bovu	Khara Hais Local Municipality	Director: Development Services
Cllr	Elizabeth	Cloete	Khara Hais Local Municipality	Councillor
Mr	Conrad	Geldenduys	Khara Hais Local Municipality	Head Town Planner
Mr	Ivan	Juries	Khara Hais Local Municipality	
Ms	Dimakatso	Koloi	Khara Hais Local Municipality	Mayor
Mr	Vernon	Mfusi	Khara Hais Local Municipality	Senior Manager: Policies
Mr	Daloxolo	Ngxinga	Khara Hais Local Municipality	Municipal Manager
Mr	Jeremy	Plessis	Khara Hais Local Municipality	Manager: Planning and Building
Mr	Ferdie	van Wyk	Khara Hais Local Municipality	Environmental Manager
Ms	Vanessa	van Wyk	Khara Hais Local Municipality	LED Manager
Mr	Johannes	Kotze	Kleinbegin Plase Trust	Farmer
Mr	Johannes	Kotze	Kleinbegin Plase Trust	
Mr	Albert	van Niekerk	Klipkoppies Farm	Farmer
Mr	Kobus	Buys	LAW Abattoir	
Mr	Jason	Schaffer	Nano Energy	
Mr	Maduna	Ngobeni	National Department of Energy	Deputy Director: Electricity Regulation
Dr	Andile	Gxasheka	National Energy Regulator of South Africa (NERSA)	Renewable Energy Specialist
Ms	Omkarabetfe	Mothelefi	Northern Cape Department of Arts and Culture	Skills Development Facilitator
Mr	Hendrik	Louw	Northern Cape Department of Development and Tourism	Senior manager: LED and EPWG
Mr	Itumeleng	Bulani	Northern Cape Department Roads & Public Works	
Mr	Tiny	Chotelo	Northern Cape Provincial Government	MEC
Ms	Maryke	van der Merwe	Opwag Groblershoop Pty Ltd	Director
Mr	Gawie	Brand	Orange River Farmers Association	Chairman
Mr	Willem	Fourie	Orange River Farmers Association	Secretary
Ms	Melanie	Theron	Orange River Farmers Association	Administrator
Mr	Japie	Engelbrecht	Orange River Farmers Union: Agri SA	
Mr	Herman	Craywagen	Orange River Wine Cellars	
Mr	Hoffie	Joubert	Oranje Cooperative Limited	
Ms	Lizelle	Beukes	Oranje Vaal Water Use Association	
Mr	Willie	Bruwer	Oranje Vaal Water Use Association	
Mr	Johan	Maritz	Oryx Management Services Pty Ltd	Landowner
Mrs	Poppie	Howell	Private	
Ms	Gloria	Klaas	Private	
Mr	W	van Eck	Private	
Mr	Ampie	Vlok	Private	
Mr	Sampie	de Beer	Sampie de Beer Familie Trust	
Mr.	Wilco	Fourie	Sanddraai Arbeidsgenot Pty Ltd	
Ms	Nicolle	Abrahams	Sanral	
Mr	Johan	Maritz	Schonegevel Holdings Pty Ltd	
Mr	Naas	Breytenbach	Sentech Limited	
Mr.	Johannes	Fourie	Shalom Boerdery Pty Ltd	
Dr	Adrian	Tiplady	SKA South Africa	Site Bid Manager
Ms	Annetjie	Plessis	SKA South Africa - Carnavon Office Northern Cape	Administrative Officer
Mr	Dieter	Holm	Solar Energy Society of SA (SESSA)	
Mr	Zola	Ndimande	Solarzone (Pty) Ltd	

Mr	Andre	Smith	Sotrou Vervaardigers CC	
Mr	Koos	Pretorius	South African Civil Aviation Authority (SACAA)	Manager
Mrs	Lizell	Stroh	South African Civil Aviation Authority (SACAA)	Obstacle Specialist
Mr	Maloeiemang	Manong	South African Heritage Resource Agency (SAHRA)	
Mr	Andrew	Timothy	South African Heritage Resource Agency (SAHRA)	The Provincial Manager
Mr	Steven	Smith	South African National Parks (SANPARKS)	
Ms	Christa	Mouton	South African National Roads Agency Limited	Private Bag X5789
Dr	Adrian	Tiplady	Square Kilometre Array (SKA)	
Mr	Andy	Louw	Standard Bank	
Mr	Shaun	Johnson	Sustainable Futures ZA	
Ms	Marina	Lourens	Transnet Freight Rail	
Mr	Gilbert	Nortier	Transnet Freight Rail	Depot Engineering Manager
Mr	Norman	Papenfus	Transnet Ltd - Landowner	Area Manager
Ms	Melissa	September	Trausere	
Mr	Martin	Compion	Tripple T Consulting Of South Africa Pty Ltd	
Ms	Suzanne	Erasmus	Wildlife and Environment Society of South Africa	
Mr	Robert	Hasty	Wildlife and Environment Society of South Africa	
Mr	Andre	Smith	Willie Smith & Seuns Boerdery CC	
Mr	David	Khakhane	Witsand Nature Reserve	
Mr	Hannes	Combrinck	ZF Mgcawu District Municipality	Manager: Executive Mayors Office
Mr	Frikkie	Rupping	ZF Mgcawu District Municipality	Environmental Manager
Mr	Alfred	Tieties	ZF Mgcawu District Municipality	LED Officer
Mr	Kobus	van Zyl	ZF Mgcawu District Municipality	Manager: Corporate Services
Mr	Frikkie	Rupping	ZF MGCAWU Distrik Municipality	
Ms	Anga	Yaphi		
Mrs	Marie	Schlechter	Golder Associates	Senior Environmental Consultant
Mr	Oscar	Mohale	EWT	
Ms	Mandisa	Yawa	ZF Mgcawu District Municipality	Acting Manager: Environmental Health
Ms	Onkemetse	Gill	Department of Roads and Public Works	
Mr	Clive	Bailey	Department of Roads and Public Works	
Mr	Garnett	Keyser	Department of Roads and Public Works	

## **Appendix B: Proof of Notification**

## Initial Notification

## Seshni Govender

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**From:** Seshni Govender  
**Sent:** Tuesday, November 26, 2019 10:51 AM  
**Cc:** Malcolm Roods; Prashika Reddy  
**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province

**Attachments:** MD4195-RHD-ZZ-XX-SE-YE\_BID\_F02 Afr.pdf; MD4195-RHD-ZZ-XX-SE-YE\_BID\_F02 Eng.pdf

**Importance:** High

**Tracking:**

**Recipient**

**Delivery**

Malcolm Roods

Delivered: 26-Nov-19 10:52 AM

Prashika Reddy

Delivered: 26-Nov-19 10:52 AM

'jacobusb@kheis.co.za'

'angelo.daniels21@gmail.com'

'ayrtondd@gmail.com'

'andries.d2@gmail.com'

'kheismun@lantic.net'

'lizzysofiajob@gmail.com'

'kheismun@lantic.net'

'mmathupi22@gmail.com'

'teresascheepers@vodamail.co.za'

'fvaneck52@gmail.com'

'paulvries10@gmail.com'

'kheisriverside@gmail.com'

'nbhula@acwapower.com'

'LRathanya@acwapower.com'

'nyathela@mweb.co.za'

'office@afasa.org.za'

'henning@agrink.co.za'

'ncagric@worldonline.co.za'

'johan.mouton@kaapagri.co.za'

'hannes.dewitt@kaapagri.co.za'

'peterm@atns.co.za'

'henniem@atns.co.za'

'JP.Stander@airports.co.za'

'nongo.dibede@airports.co.za'

'alstop@lantic.net'

'Michael.cheesian@angloamerican.com'

'ansie@arrieseput-guesthouse.com'

'SimphiweM@atns.co.za'

'energy@birdlife.org.za'

'Krugerandre96@gmail.com'

'ceo@boegoebergwater.co.za'

**Recipient****Delivery**

'boegoewgv@lantic.net'  
'0825780900@vodamail.co.za'  
'blomp@mweb.co.za'  
'vkarty@bseinc.com'  
'fgslabber@gmail.com'  
'jjslabber@gmail.com'  
'agaorelwe@ncpg.gov.za'  
'egroeners@ncpg.gov.za'  
'z.mogorosi@ncpg.gov.za'  
'jabu.smit@gmail.com'  
'aphete@ncp.gov.za'  
'imogodi@ncpg.gov.za'  
'rnaik@ncpg.gov.za'  
'ferryscm2@gmail.com'  
'ndumiemad@gmail.com'  
'mmadlongolwana@gmail.com'  
'lerato.april@energy.gov.za'  
'Vania.Mohotas@energy.gov.za'  
'abrahams@dwa.gov.za'  
'messop@environment.gov.za'  
'SMurugan@environment.gov.za'  
'MRabothata@environment.gov.za'  
'abrahams@dwa.gov.za'  
'dmoleko@ncpg.gov.za'  
'msolomons@environment.gov.za'  
'SLekota@environment.gov.za'  
'simphiwe.makhatini@dpe.gov.za'  
'aletpienaar@ncpg.gov.za'  
'jmwilliams.groblershoop@gmail.com'  
'moctober@ncpg.gov.za'  
'Isolomon@ncpg.gov.za'  
'msmith@ncpg.gov.za'  
'NSali@thedti.gov.za'  
'cebekhulum@dwa.gov.za'  
'ShibambuS@dwa.gov.za'  
'cloetes@dwa.gov.za'  
'snydersl@dwa.gov.za'  
'towellj@dwa.gov.za'  
'mashuduk@dwa.gov.za'  
'Thebe@dwa.gov.za'  
'ngc@mtnloaded.co.za'  
'thokoB@daff.gov.za'  
'djnboer@lantic.net'



**Recipient****Delivery**

'abrahams@dwa.gov.za'  
'bmohlala@economic.gov.za'  
'ksikhitha@economic.gov.za'  
'struwipe@eskom.co.za'  
'adila.marengo@eskom.co.za'  
'ronnie.snyman@eskom.co.za'  
'Wynngaajo@eskom.co.za'  
'John.geeringh@eskom.co.za'  
'derickdw@lantic.net'  
'pietdup@karsten.co.za'  
'makatieniedupreez@gmail.com'  
'wilcofourie@gmail.com'  
'gary.gerber@angloamerican.com'  
'frankiegroenewald@gmail.com'  
'0825780900@vodamail.co.za'  
'jreitz@law.co.za'  
'theuniskotzestrauss@gmail.com'  
'lowergroen1@gmail.com'  
'info@boegoebergwater.co.za'  
'info@boegoebergwater.co.za'  
'strydanboerdery@lantic.net'  
'tsebe@lantic.co.za'  
'turbine@lantic.net'  
'louiskotze@isat.co.za'  
'lucius.moolman@sanparks.org'  
'maritzgrous@mweb.co.za'  
'ddw@lantic.net'  
'mschlechter@golder.co.za'  
'mweiderman@golder.co.za'  
'greenkal@webmail.co.za'  
'meatspan@lantic.net'  
'abrahams@dwa.gov.za'  
'info@waterjcg.co.za'  
'info@kalahariwater.co.za'  
'elec@kharahais.gov.za'  
'mayor.officeclerk1@kharahais.gov.za'  
'dev@kharahais.gov.za'  
'headtownplan@kharahais.gov.za'  
'admineo@kharahais.gov.za'  
'mayorsec@kharahais.gov.za'  
'greenkal@webmail.co.za'  
'econ@kharahais.gov.za'  
'managersec@kharahais.gov.za'

**Recipient****Delivery**

'planning@kharahais.gov.za'  
'envhealth2@kharahais.gov.za'  
'tourism@kharahais.gov.za'  
'johannes@kleinbegin.co.za'  
'Johannes@kleinbegin.co.za'  
'admin@kleinbegin.co.za'  
'kobus@lawmeat.co.za'  
'CheriR@L2B.co.za'  
'amorkel@vodamail.co.za'  
'pokl@mweb.co.za'  
'jason@nano.co.za'  
'Lazarus.Mahlangu@energy.gov.za'  
'Vania.Mahotas@energy.gov.za'  
'Maduna.Ngobeni@energy.gov.za'  
'andile.gxasheka@nersa.org.za'  
'omothefi@ncpg.gov.za'  
'hlouw416@gmail.com'  
'tchotelo@ncpg.gov.za'  
'dcole@leg.ncape.gov.za'  
'fouriefarm@gmail.com'  
'grbrand@mtnloaded.co.za'  
'wilcofourie@gmail.com'  
'orlu@isat.co.za'  
'japie@urbhotspot.co.za'  
'herman@owk.co.za'  
'lizellewater@yahoo.com'  
'aqua@douglas.co.za'  
'johan@kalahari-oryx.com'  
'cpchowell@hotmail.com'  
'Gloria.tlaky@gmail.com'  
'janniekuhn@gmail.com'  
'grobv@gmail.com'  
'fouriefarm@gmail.com'  
'abrahamsn@nra.co.za'  
'johan@kalahari-oryx.com'  
'breyten@sentech.co.za'  
'fouriefarm@gmail.com'  
'atiplady@ska.ac.za'  
'aduplessis@ska.ac.za'  
'psnyman@ska.ac.za'  
'dieterholm@worldonline.co.za'  
'andresmith@lantic.net'  
'pretoriusk@caa.co.za'

**Recipient****Delivery**

'strohl@caa.co.za'  
'mmanong@nc.sahra.org.za'  
'ratha.timothy@gmail.com'  
'stevens@sanparks.org'  
'dekokkr@nra.co.za'  
'atiplady@ska.ac.za'  
'andy.louw@standardbank.co'  
'swjohnston@mweb.co.za'  
'Marina.Lourens@transnet.net'  
'Gilbert.Nortier@transnet.net'  
'Norman.Papenfus@transnet.net'  
'white1@mweb.co.za'  
'se@museumsnc.co.za'  
's.chymist@gmail.com'  
'andresmith@lantic.net'  
'witsandkalahari@telkomsa.net'  
'hannes@zfm-dm.gov.za'  
'fpr@zfm-dm.gov.za'  
'greenkal@webmail.co.za'  
'ZMjila@zfm-dm.gov.za'  
'entoba@zfm-dm.gov.za'  
'drapatsa@zfm-dm.gov.za'  
'at@zfm-dm.gov.za'  
'gvanstaden@zfm-dm.gov.za'  
'djvz@zfm-dm.gov.za'  
'greenkal@webmail.co.za'  
'mashuduma@daff.gov.za'  
'ayaphi@ncpg.gov.za'



Dear Interested and Affected Party

Notice is hereby given in terms of the Environmental Impact Assessment (EIA) Regulations, 2014 (as amended in 2017) published in Government Notice Regulation (GNR) 324 - GNR 327, in terms of Section 24(5) of the National Environmental Management Act - NEMA (Act No. 107 of 1998) (as amended) of the initiative by ACWA Power Green Energy Africa (Pty) Ltd (ACWA Power) for the Proposed Eight new

Photovoltaic (PV) developments and amendment of Environmental Authorisations (EA) for two previously authorised PV developments at the Bokpoort farm near Groblershoop, Northern Cape Province.

With respect of the above, the Applicant, ACWA Power intends undertaking a Basic Assessment (BA) process as contemplated in the EIA Regulations, 2014 (as amended in 2017) as well as a Substantive Amendment process for the purposes of applying for authorisations for the above proposed development to the Competent Authority, the Department of Environment, Forestry and Fisheries (DEFF, then Department of Environmental Affairs).

Royal HaskoningDHV Pty Ltd (Royal HaskoningDHV) has been appointed by ACWA Power as an Independent EAP to undertake the BA, WUA and Public Participation Process (PPP) for the proposed project. The PPP entails informing the local authorities, Interested and Affected Parties (I&APs), key stakeholders and landowners about the proposed project. A Background Information Document (BID), including a comment and registration form and a locality map is attached for your information.


Royal HaskoningDHV would like to thank you in advance, for taking part in the PPP and is looking forward to receiving your valuable comments relating to the proposed project.

Regards

**Seshni Govender**  
**Environmental Consultant**

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
**Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV** | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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## **Availability of Basic Assessment Report (Pre-lockdown)**

**From:** [Seshni Govender](#)  
**Bcc:** [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [kheismun@lantic.net](#); [lizzysofiajob@gmail.com](#); [kheismun@lantic.net](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [office@afasa.org.za](#); [henning@agrinc.co.za](#); [johan.mouton@kaapagri.co.za](#); [peterm@atns.co.za](#); [henniemi@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [Michael.cheesian@angloamerican.com](#); [ansie@arrieseput-guesthouse.com](#); [SimpHiweM@atns.co.za](#); [energy@birdlife.org.za](#); [Kruigerandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [boegoewgv@lantic.net](#); [0825780900@vodamail.co.za](#); [blomp@mweb.co.za](#); [vkarty@bseinc.com](#); [fgslabber@gmail.com](#); [jjslabber@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [aphete@ncp.gov.za](#); [imogodi@ncpg.gov.za](#); [rnaik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [mmadlongolwana@gmail.com](#); [lerato.april@energy.gov.za](#); [Vania.Mohotas@energy.gov.za](#); [abrahams@dwa.gov.za](#); [messop@environment.gov.za](#); [SMurugan@environment.gov.za](#); [MRabothata@environment.gov.za](#); [dmoleko@ncpg.gov.za](#); [msolomons@environment.gov.za](#); [SLekota@environment.gov.za](#); [simpHiwe.makhatini@dpe.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jmwilliams.groblershoop@gmail.com](#); [mooctober@ncpg.gov.za](#); [Isolomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [NSali@thedti.gov.za](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [cloetes@dwa.gov.za](#); [snyders@dwa.gov.za](#); [towellj@dwa.gov.za](#); [mashuduk@dwa.gov.za](#); [Thebe@dwa.gov.za](#); [ngc@mtnloaded.co.za](#); [thokoB@daff.gov.za](#); [djinboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwiipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaajo@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [wilcofourie@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [0825780900@vodamail.co.za](#); [jreit@law.co.za](#); [theuniskotzestrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [info@boegoebergwater.co.za](#); [strydanboerdery@lantic.net](#); [tsebe@lantic.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [Lucius.moolman@sanparks.org](#); [maritzgrous@mweb.co.za](#); [ddw@lantic.net](#); [mweiderman@golder.co.za](#); [greenkal@webmail.co.za](#); [meatspan@lantic.net](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admin@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [greenkal@webmail.co.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [johannes@kleinbegin.co.za](#); [Johannes@kleinbegin.co.za](#); [admin@kleinbegin.co.za](#); [kobus@lawmeat.co.za](#); [amorkel@vodamail.co.za](#); [pokl@mweb.co.za](#); [jason@nano.co.za](#); [Lazarus.Mahlangu@energy.gov.za](#); [Vania.Mahotas@energy.gov.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.gxasheka@nersa.org.za](#); [omothel@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchtel@ncpg.gov.za](#); [dcole@leg.ncape.gov.za](#); [fouriefarm@gmail.com](#); [grbrand@mtnloaded.co.za](#); [wilcofourie@gmail.com](#); [admin@ortu.org.za](#); [japie@urbhotspot.co.za](#); [herman@owk.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [janniekuhn@gmail.com](#); [grobv@gmail.com](#); [fouriefarm@gmail.com](#); [abrahams@nra.co.za](#); [johan@kalahari-oryx.com](#); [breyt@sentech.co.za](#); [fouriefarm@gmail.com](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [psnyman@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [andresmith@lantic.net](#); [strohl@caa.co.za](#); [mmanong@nc.sahra.org.za](#); [ratha.timothy@gmail.com](#); [stevens@sanparks.org](#); [dekoekr@nra.co.za](#); [atiplady@ska.ac.za](#); [andy.louw@standardbank.co.za](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumsc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [fpr@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [ZMjila@zfm-dm.gov.za](#); [entoba@zfm-dm.gov.za](#); [drapatsa@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [gvanstaden@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [mashuduma@daff.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#); [Floyd Leeuw](#); [Desmond Dolopi](#); [Oranjerivier LU](#) : [Melanie Theron S](#); [Malcolm Roods](#); [Prashika Reddy](#)  
**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Wednesday, 04 March 2020 11:50:00  
**Attachments:** [MD4195-RHD-ZZ-XX-CO-YE-IAP"s F01.pdf](#)  
**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00

The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa

Interested and Affected Party

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 T  
+27 11 798 6005 F  
Johannesburg@rhdhv.com E  
royalhaskoningdhv.com W

Date:	02 March 2020	Contact name:	Seshni Govender
Your reference:		Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-YE-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

Dear Interested and Affected Party

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE !KHEIS LOCAL MUNICIPALITY**

ACWA Power Energy Africa (Pty) Ltd (hereafter referred to as ACWA Power) is proposing to construct a solar energy facility consisting of ten (10) photovoltaic (PV) plants on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km north-west of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province.

On 21 October 2016, a 150MW Concentrated Solar Power (CSP) plant on 900ha was authorised by the Department of Environment, Forestry and Fisheries – DEFF (then Department of Environmental Affairs) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan published in October 2019, ACWA Power intend replacing the authorised CSP site with 8 new PV plants. The updated layout has been revised to incorporate the 8 new PV plants of 200MW each, covering a total of 1200ha (i.e. 150ha for each plant) on Remaining Extent of the Farm Bokpoort 390. As the PV 1 and PV 2 plants are also approved on the Farm Bokpoort 390, the footprints of these approved PV plants will undergo an amendment to accommodate the 8 new PV plants and ancillary infrastructure (see below for more detail).

Each of the PV plants will consist of the following infrastructure:

- Solar PV panel that will be able to deliver up to 200 MW to the Eskom National Grid;
- Inverters that convert direct current (DC) generated by the PV modules into alternating current (AC) to be exported to the electrical grid;

- A transformer that raises the system AC low voltage to medium voltage. The transformer converts the voltage of the electricity generated by the PV panels to the correct voltage for delivery to Eskom;
- Transformer substation; and
- Instrumentation and Control consisting of hardware and software for remote plant monitoring and operation of the facility.

Associated infrastructure includes:

- Mounting structures for the solar panels;
- Cabling between the structures, to be laid underground where practical;
- A new 132 kV overhead powerline (servitude spanning 15.5 m on both sides with towers that will be 35 m high) which will connect the facility to the National Grid via Eskom's existing Garona Substation;
- Battery Energy Storage System (BESS);
- Internal access roads (4 – 6 m wide roads will be constructed but existing roads will be used as far as possible) and fencing (approximately 3 m in height); and
- Shared infrastructure consisting of buildings, including a workshop area for maintenance, storage (i.e. fuel tanks, etc.), laydown area, parking, warehouse, and offices (previously approved).

Individual applications for Environmental Authorisation will be lodged per plant (8 applications), however, one Basic Assessment (BA) study is applicable to the entire development footprint for the 8 individual plants.

Two (2) 75MW PV plants including ancillary infrastructure [Ref 14/12/16/3/3/2/880 (PV2) and 14/12/16/3/3/2/881 (PV1)], were also authorised by the DEFF on 24 October 2016. The two aforementioned PV plants will undergo a Non-substantive Amendment process with the following key amendments:

- Name changes – PV 1 and PV 2 to *Ndebele* and *Xhosa* respectively;
- Updated co-ordinates of each PV plant;
- Reduction in development footprint from 250ha to 150ha; and
- Updated technical description.

A second Basic Assessment study is being undertaken to accommodate the following on the already authorised Xhosa and Ndebele PV Plants:

1. The BESS that will be associated with the Ndebele PV Plant (formerly PV 1) and the Xhosa PV Plant (formerly PV2). This activity was applied for in the original environmental process but was not approved due to lack of information with regards to the type of technology to be used. Each BESS footprint is approximately 16ha and will store 4500m<sup>3</sup> of hazardous substances with a battery power capacity of 150MW.
2. The electricity generation capacity of the PV 1 & 2 Plants will be 200 MW [75 MW was originally approved in the EAs dated 24/10/2016 (Ref: 14/12/16/3/3/2/881 & Ref 14/12/16/3/3/2/880). It was confirmed in the IQ/20/0004 correspondence from DEFF that the electricity generation of more than 20MW from a renewable resource listed activity is now triggered and must be applied for due to the increase in capacity].

With respect of the above, the applicant, ACWA Power is therefore undertaking two Basic Assessment studies and a non-substantive amendment process as contemplated in the EIA Regulations 2014 (as amended in 2017) for the process of applying for authorisations for the above proposed developments to the Competent Authority i.e. DEFF.

The draft cBAR is now available for review and comment from 06 March – 06 April 2020. Please can we have comments on or before 06<sup>th</sup> April 2020.



The report is available electronically on the following link:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**

Environmental Consultant

Roads and Rail

087 352 1592

seshni.govender@rhdhv.com

## **Public Meeting Postponement**

**From:** [Seshni Govender](#)

**Bcc:** [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [kheismun@lantic.net](#); [lizzysofiajob@gmail.com](#); [kheismun@lantic.net](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [office@afasa.org.za](#); [henning@agrink.co.za](#); [johan.mouton@kaapagri.co.za](#); [peterm@atns.co.za](#); [henniem@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [Michael.cheesian@angloamerican.com](#); [ansie@arrieseput-guesthouse.com](#); [SimpHiweM@atns.co.za](#); [energy@birdlife.org.za](#); [Krugerandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [boegoewgv@lantic.net](#); [0825780900@vodamail.co.za](#); [blomp@mweb.co.za](#); [vkarty@bseinc.com](#); [fgslabber@gmail.com](#); [jjslabber@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [aphete@ncp.gov.za](#); [imogodi@ncpg.gov.za](#); [rnaik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [mmadlongolwana@gmail.com](#); [lerato.april@energy.gov.za](#); [Vania.Mohotas@energy.gov.za](#); [abrahams@dwa.gov.za](#); [messop@environment.gov.za](#); [SMurugan@environment.gov.za](#); [MRabothata@environment.gov.za](#); [dmoleko@ncpg.gov.za](#); [msolomons@environment.gov.za](#); [SLekota@environment.gov.za](#); [simpHiwe.makhatini@dpe.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jmwilliams.groblershoop@gmail.com](#); [mooctober@ncpg.gov.za](#); [Isolomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [NSali@thedti.gov.za](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [cloetes@dwa.gov.za](#); [snydersl@dwa.gov.za](#); [towellj@dwa.gov.za](#); [mashuduk@dwa.gov.za](#); [Thebe@dwa.gov.za](#); [ngc@mtnloaded.co.za](#); [thokoB@daff.gov.za](#); [djinboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwiipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaajo@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [wilcofourie@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [0825780900@vodamail.co.za](#); [jreit@law.co.za](#); [theuniskotzestrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [strydanboerdery@lantic.net](#); [tsebe@lantic.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [Lucius.moolman@sanparks.org](#); [maritzgrous@mweb.co.za](#); [ddw@lantic.net](#); [mweiderman@golder.co.za](#); [greenkal@webmail.co.za](#); [meatspan@lantic.net](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admin@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [greenkal@webmail.co.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [johannes@kleinbegin.co.za](#); [Johannes@kleinbegin.co.za](#); [admin@kleinbegin.co.za](#); [kobus@lawmeat.co.za](#); [amorkel@vodamail.co.za](#); [pokl@mweb.co.za](#); [jason@nano.co.za](#); [Lazarus.Mahlangu@energy.gov.za](#); [Vania.Mahotas@energy.gov.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.gxasheka@nersa.org.za](#); [omothel@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchotelo@ncpg.gov.za](#); [dcole@leg.ncape.gov.za](#); [fouriefarm@gmail.com](#); [grbrand@mtnloaded.co.za](#); [wilcofourie@gmail.com](#); [admin@ortu.org.za](#); [japie@urbhotspot.co.za](#); [herman@owk.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [janniekuhn@gmail.com](#); [grobv@gmail.com](#); [fouriefarm@gmail.com](#); [abrahamsn@nra.co.za](#); [breytenn@sentech.co.za](#); [fouriefarm@gmail.com](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [psnyman@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [andresmith@lantic.net](#); [strohl@caa.co.za](#); [mmanong@nc.sahra.org.za](#); [ratha.timothy@gmail.com](#); [stevens@sanparks.org](#); [dekoctr@nra.co.za](#); [atiplady@ska.ac.za](#); [andy.louw@standardbank.co](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumscnc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [fpr@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [ZMjila@zfm-dm.gov.za](#); [entoba@zfm-dm.gov.za](#); [drapatsa@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [qvanstaden@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [mashuduma@daff.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#); [Floyd Leeuw](#); [Desmond Dolopi](#); [Oranjerivier LU](#); [Melanie Theron S](#); [oscarm@ewt.org.za](#); [Prashika Reddy](#); [Malcolm Roods](#)

**Subject:** Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Date:** Monday, 23 March 2020 15:41:00

**Attachments:** [MD4195\\_PPT001\\_F01\\_PM.pdf](#)

**Importance:** High



Dear Stakeholder

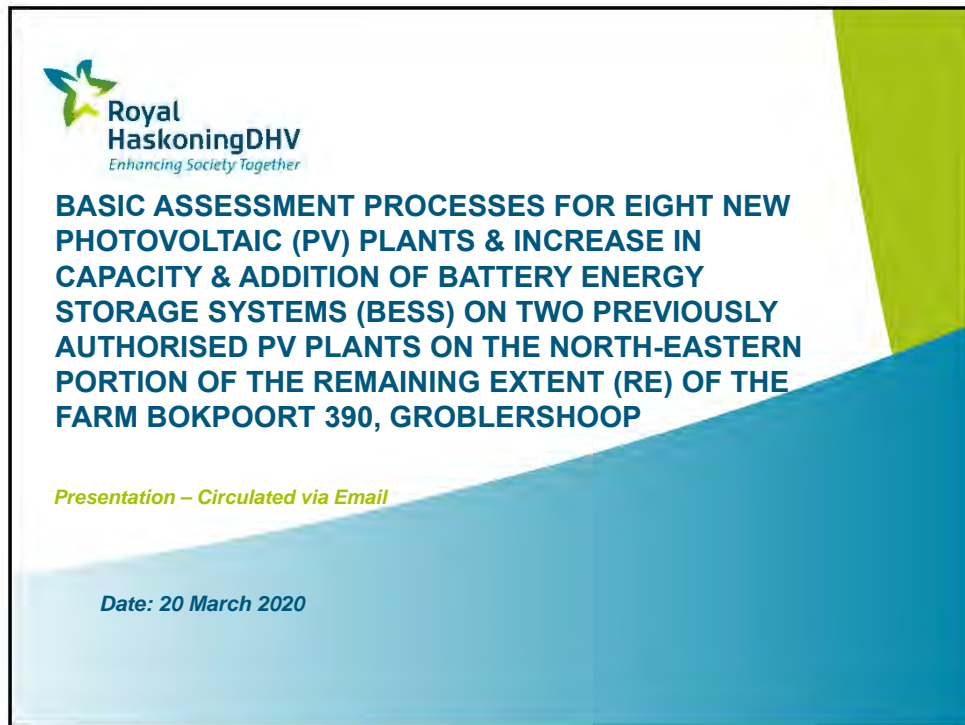
On 15 March 2020, the President declared South Africa as a national state of disaster, due to the COVID-19 pandemic. In direct response to this Royal HaskoningDHV and ACWA Power would like to bring the following to your attention:


1. The public meeting that was planned to take place on 26 March 2020 has been cancelled.
2. Find attached the presentation that provides a summary of the BA studies undertaken to date. We urge you to go through the presentation and send any questions, comments and queries to us via email or telephone. We are also available to have Skype discussions with you, should you require.
3. The commenting period is still open until **06 April 2020**.
4. Hard copies of the Basic Assessment Reports have been placed at the !Kheis Local Municipality and the Public Library, but we encourage all stakeholders to access the online version on the link: <https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

We thank you for your participation in the project thus far, and look forward to hearing from you albeit under very difficult circumstances.

Regards

**Seshni Govender**  
Environmental Consultant



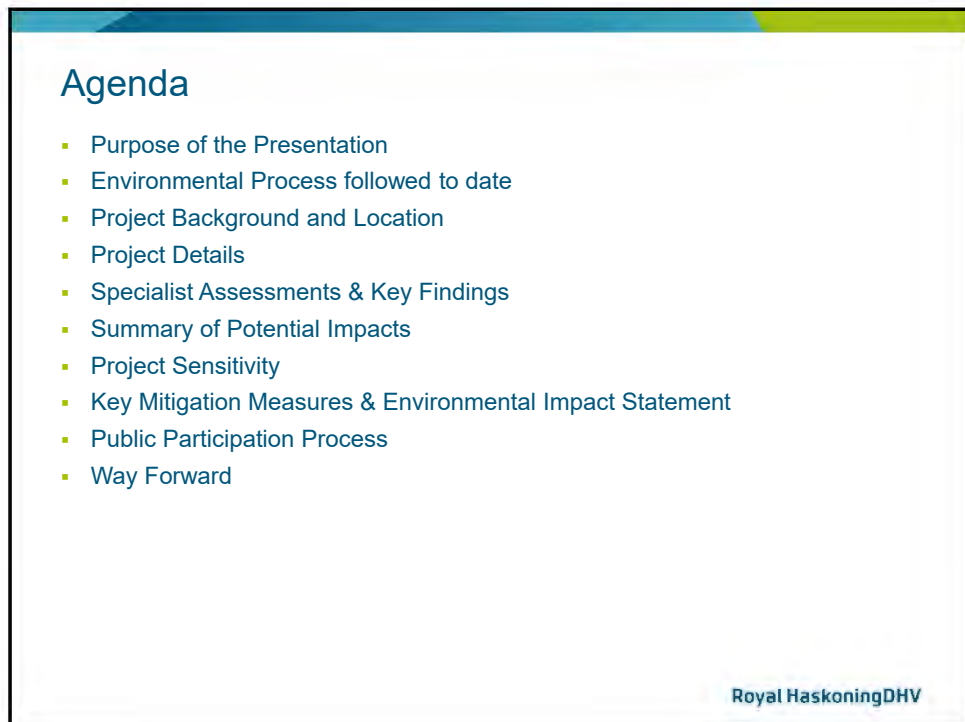
 **Royal HaskoningDHV**  
*Enhancing Society Together*

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS & INCREASE IN CAPACITY & ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP**

*Presentation – Circulated via Email*

*Date: 20 March 2020*

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## Agenda

- Purpose of the Presentation
- Environmental Process followed to date
- Project Background and Location
- Project Details
- Specialist Assessments & Key Findings
- Summary of Potential Impacts
- Project Sensitivity
- Key Mitigation Measures & Environmental Impact Statement
- Public Participation Process
- Way Forward

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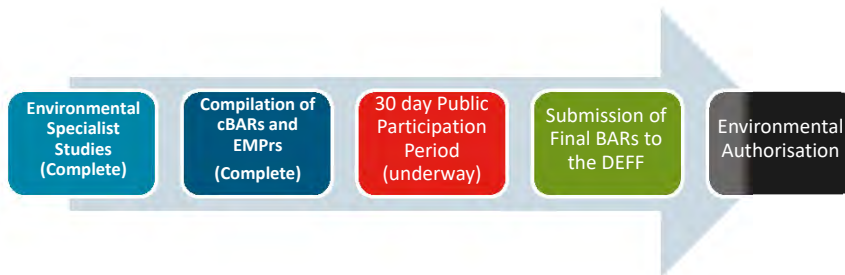
## Purpose of the Presentation

- Introduce the project (Project Context)
- Outline the Basic Assessment (BA) studies & Public Participation Process (PPP)
- Present the findings of the Draft Consultation BA Reports (cBARs)
- Provide an opportunity for stakeholders to seek clarity and provide input into the project
- To record comments raised and include them in the Final cBAR
- Interaction (remotely) with the project team (via phone calls, email, Skype)

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## Environmental Process followed to date



- Competent Authority – Department of Environment, Forestry and Fisheries (DEFF)
- BA process undertaken in terms of the EIA Regulations 2014 (as amended in 2017)
- Commenting Authority – Northern Cape Department of Environment & Nature Conservation
- 30 day review period – 06 March – 06 April 2020
- Submission of final BARs to DEFF (early April 2020)

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## Project Background

- On 21 October 2016, a 150MW Concentrating Solar Power (CSP) plant in 900 ha, was authorised by the Department of Environmental Affairs (DEA)
- Due to the changes in the Integrated Resource Plan (October 2019), the authorised CSP site will be replaced with eight (8) new PV plants
- Updated layout revised to incorporate the 8 new PV plants of 200MW each, covering a total of 1200ha (150ha per plant)
- Individual applications for Environmental Authorisation (EA) will be lodged per plant (8 applications in total), one BA study is applicable to the entire development footprint for the 8 plants

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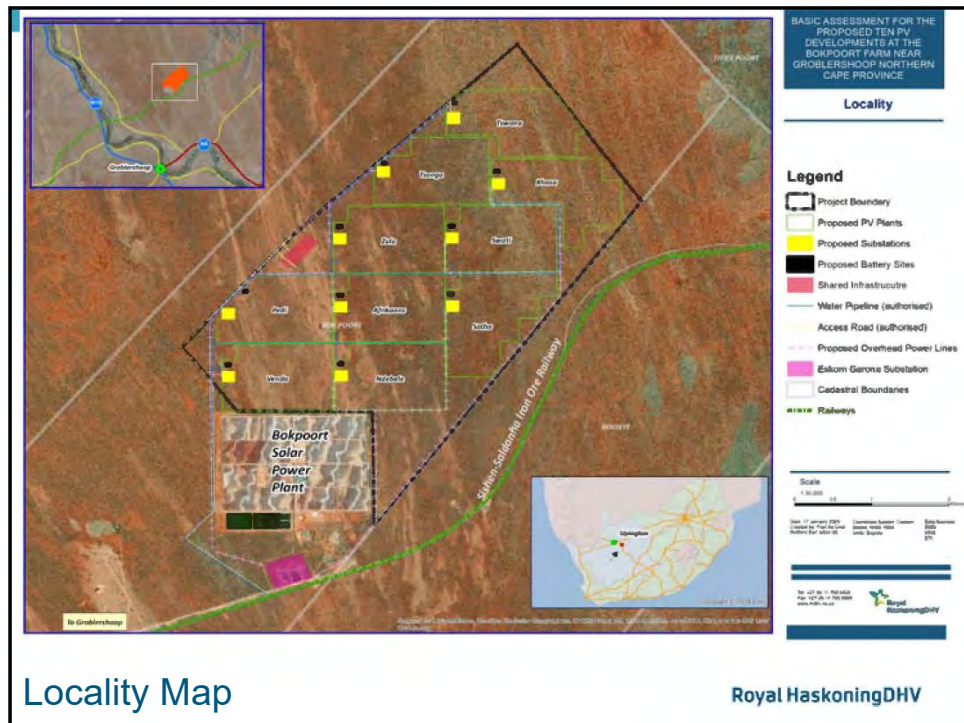
5

## Project Background (cont.)

- Two 75MW PV plants including ancillary infrastructure were also authorised by the DEA on 24 October 2016
- The intention to replace the CSP plant with 8 PV plants resulting in development footprint changes of the overall project
- PV 1 (Ndebele) and PV 2 (Xhosa) PV plants will undergo an amendment to cater for the overall project development and ancillary infrastructure
- A separate BA study has been undertaken for the two approved PV plants to include battery energy storage systems (BESS) as well as the increase in the electricity output from 75MW to 200MW

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## Project Details

Each of the PV plants will consist of the following infrastructure:

- Solar PV panels that will be able to deliver up to 200MW to the Eskom National Grid; inverters; transformer and transformer substation; and instrumentation and control
- Associated infrastructure includes: mounting structures; cabling between the structures; new 132kV overhead powerline (servitude spanning 15.5 m on both sides with towers that will be 35 m high) which will connect the facility to the National Grid via Eskom's existing Garona Substation; BESS (16ha, 4500m<sup>3</sup> of hazardous substance either lithium-iron or lead-acid); internal access and shared infrastructure consisting of buildings, including a workshop area for maintenance, storage (i.e. fuel tanks, etc.), laydown area, parking, warehouse, and offices (previously approved)

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## Specialist Assessments

Specialist Study	Organisation
Soils and Agricultural Potential	Johann Lanz (private)
Hydrogeology	GCS
Surface Water (Hydrology)	GCS
Surface Water (Wetlands)	Royal HaskoningDHV
Ecology	Bathusi Environmental Consultants
Avifauna	Arcus Consulting Services
Bats	Arcus Consulting Services
Air Quality	WSP
Heritage	Johnny van Schalkwyk (private)
Palaeontology	Natura Viva
Traffic	Royal HaskoningDHV
Visual	Royal HaskoningDHV
Socio-economic	Royal HaskoningDHV

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## Key Findings of Specialist Assessments – 8 new PV Plants

### Soils & Agricultural Potential (applicable to all 10 PV plants)

- Development on land which is of low agricultural potential and is not suitable for cultivation. No agriculturally sensitive areas occur within the proposed site and no part of it is therefore required to be set aside from the development

### Hydrogeology (applicable to all 10 PV plants)

- The potential impacts will be primarily from spillage of fuels, lubricants, chemicals, leakage from BESS and will be of a low environmental significance provided that mitigation measures are implemented

### Surface Water [Hydrology] (applicable to all 10 PV plants)

- A Stormwater Management Plan (SWMP) must be implemented
- Mitigation for spillage or leakages must include bunded areas to store chemicals and/ or fuel and containerisation of the BESS
- Water demand will be affected positively with the total demand changing to 0.22 million cubic metres per annum ( $\text{Mm}^3/\text{a}$ ) ( $10 \times 0.022 \text{ Mm}^3/\text{a}$ ) for the 10 PV plants instead of the  $0.3 \text{ Mm}^3/\text{a}$  ( $0.25 + 2 \times 0.025 \text{ Mm}^3/\text{a}$ ) for the CSP and 2 PV plants

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## Key Findings of Specialist Assessments

### Ecology (applicable to all 10 PV plants)

- Potential impact: loss in extent of vegetation communities and loss and associated disturbance of species of conservation concern during construction; effects on fauna species of conservation concern as a result of site lighting, security fencing and increased road traffic during operation, and the spread of invasive species and potential contamination of remaining natural (surrounding) ecosystems during closure
- None of the anticipated impacts can be highlighted or construed to represent an unacceptable or severe threat to sensitive biological or biodiversity components within the study area and wider region

### Avifauna (applicable to 8 PV plants)

- Significantly reduced risk of collision for important high-flying and soaring species such as eagles, bustards and vultures commuting over the site as well as the removal of burning risks associated with the originally authorised CSP plant
- Additional bird flight deterrent devices to be investigated to reduce the potential impact of collisions with overhead powerlines as well as reduced habitat fragmentation and disruption of bird movements across the project site for a number of ground dwelling species

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## Key Findings of Specialist Assessments (cont.)

### Bats (applicable to all 8 PV plants)

- The PV plants would have fewer negative impacts on bats
- Acoustic monitoring is no longer required

### Air Quality (applicable to all 10 PV plants)

- The PV plant does not trigger any of the regulated Listed Activities. As such, the PV plants does not require an Atmospheric Emission Licence
- The key pollutant from the proposed site during the construction and decommission phases would be particulate matter (PM)
- Various PM control measures for the construction phase are presented, the key being wet suppression

### Heritage & Palaeontology (applicable to all 10 PV plants)

- No sites, features or objects of cultural significance are known to exist in the development area
- No significant impacts on fossil heritage are anticipated during the construction, operational and closure phases of the project

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## Key Findings of Specialist Assessments (cont.)

### Traffic (applicable to all 10 PV plants)

- Travel to and from the PV plants by personnel, deliveries and visitors will add to the existing traffic on the approach roads, affecting road safety, create dust from unpaved roads and road surface quality as experienced by existing road users during the construction phase. During operations, heavy vehicle volumes will be reduced

### Visual (applicable to all 10 PV plants)

- The development will add to the presence of large-scale power generation infrastructure in the study area, but which due to its remote location and the low density of human settlement will not generate any degree of visual exposure beyond that which is very low, thus being unlikely to generate any visual impacts

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## Key Findings of Specialist Assessments (cont.)

### Noise (applicable to all 10 PV plants)

- The noise generated by the operation of the PV plants will add to the existing natural and man-made noise levels in the area but is very unlikely to reach unacceptable levels at off-site locations of human receptors

### Social (applicable to all 10 PV plants)

- Generation of 1600MW of electricity will be a positive impact as this will provide further support to the national grid therefore aiding in provide electricity security to the region and the country
- Potential job creation

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### Summary of Potential Construction Impacts – 8 PV Plants

Potential Environmental Impact (Construction)	Environmental Significance											
	Pre-mitigation						Post-mitigation					
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating
<b>Geology</b>												
Excavations for foundations of the PV plants and ancillary structures will disturb near surface geology permanently.	2	5	1	5	40	Mod	2	5	1	5	40	Mod
<b>Topography</b>												
Construction of the surface infrastructure will have a minor and reversible effect on the topography of the site with a low probability of it being viewed as significant.	2	4	1	3	21	Low	2	4	1	2	21	Low
<b>Soils</b>												
Agricultural grazing land directly occupied by the development infrastructure which includes all associated infrastructure, will become unavailable for agricultural use.	2	4	1	5	35	Mod	2	4	1	5	35	Mod
Soil degradation erosion, topsoil loss and contamination.	2	3	1	3	18	Low	2	3	1	2	12	Low
<b>Hydrogeology</b>												
The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from construction equipment, vehicles and temporary workshop during the construction phase.	6	1	1	3	24	Low	4	1	1	3	18	Low

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### Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Infiltration potential/ aquifer vulnerability	6	1	1	2	16	Low	6	1	1	2	16	Low
Impact on receptors	2	2	2	2	12	Low	2	2	2	2	12	Low
<b>Surface Water</b>												
Spillage of fuels, lubricants and other chemicals, increased run-off due to vegetation and veld removal, potential pollution transport via run-off of rainfall from disturbed areas and erosion.	6	2	2	4	40	Mod	6	2	2	2	24	Low
<b>Ecology</b>												
Loss of extent of modified habitats within the project footprint (direct impacts on natural vegetation).	4	5	1	5	50	Mod	2	4	1	5	35	Mod
Introduction/ spread of exotic invasive species.	6	5	2	4	52	Mod	2	2	1	3	15	Low
Loss/ disturbance of flora and fauna species of conservation concern.	8	2	4	4	56	Mod	4	4	1	4	36	Mod
Loss/ disturbance of other fauna species.	6	4	1	5	55	Low	4	4	1	3	27	Low
Reduction in extent of natural habitats, systems of conservation concern.	8	5	1	3	42	Mod	4	5	0	2	18	Low
<b>Avifauna</b>												
The removal and/ or destruction and/ or alteration of habitat used by birds, may impact on the foraging and/ or breeding success of certain species, and will lead to numerous birds being displaced from the projects site and needing to find suitable available habitat elsewhere.	8	4	2	5	70	Mod	8	3	1	5	60	Mod

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### Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Birds are disturbed and displaced from the project site and surrounding areas due to construction activities and associated noise etc.	8	2	2	4	48	Mod	6	2	2	3	30	Mod
<b>Bats</b>												
Reduction in foraging habitat due to vegetation clearance.	6	4	1	5	55	Mod	2	4	1	4	28	Low
Disturbance and displacement due to construction noise and lighting.	6	2	1	4	36	Mod	4	1	1	4	24	Low
<b>Air Quality</b>												
Particulate matter emissions.	2	2	2	5	30	Mod	2	2	2	5	30	Mod
<b>Heritage</b>												
No sites, features or objects of cultural significance were identified.	-	-	-	-	-	-	-	-	-	-	-	-
<b>Palaeontology</b>												
Disturbance, damage, destruction or sealing-in of scientifically important fossil remains preserved at or beneath the ground surface within the development area, most notably by surface clearance and bedrock excavations during the construction phase.	2	5	1	2	16	Low	2	5	1	1	8	Low
<b>Traffic</b>												
The increase in traffic, and especially of vehicles carrying heavy loads will cause an increase in deterioration of the road network.	6	2	2	5	50	Mod	4	2	2	3	24	Low
Increase in dust is only applicable to the gravel roads. Dust is generated due to heavy vehicles and high speeds.	6	2	2	5	50	Mod	2	2	2	3	18	Low

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### Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Increase in traffic volumes impacting LOS of the infrastructure:	8	2	2	5	60	Mod	2	2	2	4	24	Low
Road safety deterioration due to dust and speeding, causing drivers to lose control on the gravel roads.	4	2	2	4	32	Mod	2	2	2	3	18	Low
<b>Visual</b>												
Visibility and dust plumes generated at the construction site.	6	2	3	4	44	Mod	4	2	2	2	16	Low
Generation of dust plumes from construction traffic on the access roads.	4	2	3	2	18	Low	4	2	2	2	16	Low
<b>Noise</b>												
Impact will be limited by distance, existing noise levels at receptor areas and relatively short construction period.	4	4	2	2	20	Low	2	4	2	2	16	Low
<b>Socio-economic</b>												
Employment opportunities.	6	2	2	3	+30	Mod	6	2	2	4	+40	Mod
Population influx.	8	3	2	4	52	Mod	6	2	2	3	30	Mod
Economic benefits.	6	4	3	3	+39	Mod	8	4	4	4	+64	Mod
Change in land use.	6	4	3	4	52	Mod	4	4	2	3	30	Mod

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## Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Potential Environmental Impact (Operations)	Environmental Significance													
	Pre-mitigation						Post-mitigation							
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating		
<b>Geology</b>														
The operational phase will not have any impact on the geology of the project area.	0	5	1	0	0	None	0	5	1	0	0	None		
<b>Topography</b>														
No effect on topography from operational activities.	0	4	1	0	0	None	0	4	1	0	0	None		
<b>Soils</b>														
Agricultural grazing land directly occupied by the development infrastructure which includes all associated infrastructure, will become unavailable for agricultural use.	0	4	1	0	0	None	0	4	1	0	0	None		
<b>Hydrogeology</b>														
Groundwater quality can be impacted by spillage of fuels, lubricants, chemicals, leakage from BESS from operations and maintenance activities.	8	1	2	2	22	Low	4	1	2	2	14	Low		
<b>Surface Water</b>														
Spillage of fuels, lubricants and other chemicals, during operations and erosion.	6	4	2	4	48	Mod	4	4	1	3	27	Low		

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## Summary of Potential Operation Impacts (cont.)

<b>Ecology</b>														
Spread of invasive plant species.	6	5	2	4	52	Mod	2	2	1	3	15	Low		
Direct loss (injury/ mortality) of fauna species via roadkill.	8	4	2	5	70	Mod	4	4	2	4	40	Mod		
Disturbance of faunal species of conservation concern – site lighting.	6	4	2	5	60	Mod	4	4	2	2	20	Low		
Disturbance of faunal species of conservation concern – barrier to movement.	6	4	2	4	48	Mod	6	4	2	3	36	Mod		
<b>Avifauna</b>														
Birds are disturbed and displaced from the project site and surrounding areas, or from the grid connection servitude and surrounding areas, due ongoing operational and maintenance activities.	8	4	2	4	56	Mod	6	4	2	2	24	Low		
Birds colliding with PV panels. Birds may be attracted to the reflective surfaces which may be mistaken for large water bodies and can cause disorientation of flying birds, resulting in injury and/ or death.	6	4	1	5	55	Mod	4	4	1	3	27	Low		
Collision with powerlines.	10	4	4	5	90	High	6	4	2	2	24	Low		
Electrocution of birds perching or attempting to perch on electrical structures.	10	4	4	4	72	Mod	6	4	2	2	24	Low		
Pollution of water resources used by birds.	4	4	2	3	30	Mod	2	4	2	2	16	Low		
Excessive use of water, which may drain local reserves used by birds in naturally dry habitats.	4	4	3	3	33	Mod	2	4	3	2	18	Low		
The development forms a physical barrier to movement of birds across the landscape, alters migration routes and increases distances travelled and energy expenditure for hunting or foraging.	6	4	3	3	39	Mod	4	4	2	2	20	Low		

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### Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Bats												
Barrier effect of PV plants to normal foraging and commuting behaviours.	8	4	1	4	52	Mod	4	4	1	3	27	Low
Change of bat community utilizing development area due to security lighting.	6	4	1	4	44	Mod	2	4	1	4	28	Low
Collision of bats with PV panels.	4	1	1	2	12	Low	4	1	1	1	6	Low
Air Quality												
Emissions during operation and maintenance activities.	2	4	2	5	40	Mod	2	2	2	5	30	Mod
Containment loss associated with the BESS.	10	4	2	1	17	Low	10	4	2	1	17	Low
Traffic												
Deterioration of road conditions, dust generation, traffic volumes and road safety conditions during the operations phase.	2	4	2	2	16	Low	2	4	2	2	16	Low
Visual												
Visibility of the PV panels to the vast majority of the receptor locations in the study area.	6	2	4	2	24	Low	6	2	4	2	24	Low
Introduction of new sources of lighting to a relatively unlit night-time environment.	6	2	4	2	24	Low	4	2	4	2	20	Low

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### Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Noise												
The major noise sources associated with the operation of the PV plants will be the inverter, transformer substation, transmission lines, water truck(s) used for panel cleaning and workers commuting.	6	4	2	3	36	Mod	4	4	1	2	18	Low
Socio-economic												
Employment opportunities.	4	2	2	3	+24	Low	4	4	2	3	+30	Mod
Training and skills development.	4	4	2	3	+30	Mod	6	5	2	4	+52	Mod
Continued economic benefits.	6	4	3	3	+39	Mod	8	4	4	4	+64	Mod
Continued population influx.	6	4	2	3	36	Mod	4	3	2	2	18	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 8 PV Plants (cont.)

Potential Environmental Impact (Closure & Rehabilitation)	Environmental Significance											
	Pre-mitigation						Post-mitigation					
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating
<b>Geology</b>	The closure and rehabilitation phase will not have any impact on the geology of the project area.											
	0	5	1	0	0	None	0	5	1	0	0	None
<b>Topography</b>	Surface will be shaped to be free draining, close to original contours, but erosion resistant.											
	6	4	1	2	22	Low	2	4	1	3	+21	Low
<b>Soils</b>	Soil degradation can result from erosion, topsoil loss and contamination.											
	2	3	1	3	18	Low	2	3	1	2	12	Low
<b>Hydrogeology</b>	The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from closure and rehabilitation activities.											
	6	1	1	3	24	Low	4	1	1	3	18	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 8 PV Plants (cont.)

<b>Surface Water</b>	Erosion of bare surfaces and spillages of waste materials and hydrocarbons from vehicles could cause surface water contamination.											
	6	2	2	4	40	Mod	4	2	1	3	21	Low
<b>Ecology</b>	Spread of invasive plant species.											
	6	4	3	5	65	Mod	4	2	1	3	21	Low
<b>Bats</b>	Disturbance and displacement due to decommissioning noise and lighting.											
	6	2	1	4	36	Mod	4	1	1	4	24	Low
<b>Air Quality</b>	Particulate matter emissions.											
	2	2	2	5	30	Mod	2	2	2	5	30	Mod
<b>Traffic</b>	Significantly less traffic than construction and operational phases but will have some effect on road safety and wear and tear.											
	6	2	2	4	40	Mod	4	2	2	2	16	Low
<b>Visual</b>	Generation of dust plumes from traffic on the access roads.											
	4	2	3	2	18	Low	4	2	2	2	16	Low
<b>Noise</b>	Impact will be limited by distance, existing noise levels at receptor areas and relatively short demolition period.											
	4	2	2	3	24	Low	2	2	2	3	18	Low
<b>Socio-economic</b>	Reduced employment.											
	8	4	2	4	56	Mod	6	2	2	2	20	Low
	8	5	3	5	80	Mod	6	5	2	4	52	Mod
	8	5	3	3	48	Mod	6	3	2	2	22	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	Excavations for foundations for the PV plants and associated structures will permanently disturb the near-surface geology over parts of the site	Without	2	5	1	5	40	Mod
		With	2	5	1	5	40	Mod
Topography	Excavating for building foundations and landscaping to position the PV panels and create runoff management berms will result in minor changes to the existing topography of the site	Without	2	4	1	3	21	Low
		With	2	4	1	3	21	Low
Air Quality	The following possible sources of PM emissions have been identified for the construction phase: <ul style="list-style-type: none"> <li>▪ Vehicle activities associated with the transport of equipment to the site;</li> <li>▪ Preparation of the surface area prior to development; and</li> <li>▪ The removal of construction equipment from site after the set-up of new infrastructure</li> </ul>	Without	5	2	2	2	30	Mod
		With	5	2	2	2	30	Mod

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Agricultural Potential, Soil, Land Capability and Land Use	Loss of Agricultural Land Use	Without	2	4	1	5	35	Mod
		With	2	4	1	5	35	Mod
	Soil Degradation	Without	2	3	1	3	18	Low
		With	2	3	1	2	32	Low
Ecology	Loss of extent of modified habitats within the Project footprint	Without	4	5	1	5	50	Mod
		With	2	4	1	5	35	Mod
	Introduction/Spread of exotic invasive species	Without	6	5	2	4	52	Mod
		With	2	2	1	3	15	Low
	Loss/disturbance of flora and fauna species of conservation concern	Without	8	4	2	4	56	Mod
		With	4	4	1	4	36	Mod
	Loss/disturbance of other fauna species	Without	6	4	1	5	55	Mod
		With	4	4	1	3	27	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Ecology	Reduction in extent of natural habitats	Without	8	5	1	3	42	Mod
		With	4	5	0	4	18	Low
	Soil erosion and sediment loading of surface water runoff	Without	4	4	2	4	40	Mod
		With	2	2	2	2	12	Low
Avifauna	Habitat Destruction	Without	8	4	2	5	70	Mod
		With	8	3	1	5	60	Mod
	Disturbance and Displacement	Without	8	2	2	4	48	Mod
		With	6	2	2	3	30	Mod

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Bat	Reduction in foraging habitat due to vegetation clearance	Without	6	4	1	5	55	Mod
		With	2	4	1	4	28	Low
	Disturbance and displacement due to construction noise and lighting	Without	6	2	1	4	36	Mod
		With	4	1	1	4	24	Low
Surface Water	The construction activities could lead to erosion from de-vegetated areas and runoff carrying a high silt load and contaminants such as fuel, hydraulic fluids, degreasing and other chemicals and cement.	Without	6	2	2	4	40	Mod
		With	4	2	1	3	21	Low
Groundwater	The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from construction equipment, vehicles and temporary workshop during the construction phase or from leakage from the BESS.	Without	6	3	1	4	40	Mod
		-	-	-	-	-	-	-

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Visual	Local residents and travellers along local roads will initially see vehicles transporting personnel, equipment and materials to the Bokpoort II site. Dust plumes resulting from travel along unpaved roads and earthmoving activities on the site would be visible from distances of several kilometres.	Without	6	2	2	3	30	Mod
		With	2	2	1	3	15	Low
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	The Precambrian metamorphic bedrocks underlying the study area at depth are unfossiliferous while the overlying Late Caenozoic superficial sediments are generally fossil-poor.	Without	2	5	1	2	16	Low
		With	2	5	1	1	8	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Traffic	Deterioration of road network condition	Without	6	2	2	5	50	Mod
		With	4	2	2	3	24	Low
	Increase in dust	Without	6	2	2	5	50	Mod
		With	2	2	2	3	18	Low
	Increase in traffic volumes	Without	8	2	2	5	60	Mod
		With	2	4	2	2	16	Low
	Deterioration of road safety conditions	Without	2	4	2	4	32	Mod
		With	2	2	2	3	18	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Socio-Economic	Employment opportunities	Without	6	2	2	3	+30	Mod
		With	6	2	2	4	+40	Mod
	Population influx	Without	8	3	2	4	52	Mod
		With	6	2	2	3	30	Mod
	Economic benefits	Without	6	4	3	3	+39	Mod
		With	8	4	4	4	+64	Mod
	Change in land use	Without	6	4	3	4	52	Mod
		With	4	4	2	3	30	Mod

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Agricultural Potential, Soil, Land Capability and Land Use	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Air Quality	<ul style="list-style-type: none"> <li>If areas exposed during the construction phases are promptly revegetated, emissions during the operational phase of the facility are expected to be insignificant.</li> <li>Loss of containment of BESS due to corrosion or fires, or during maintenance procedures poses risks to ambient air quality</li> </ul>	Without	2	4	2	2	16	Low
		With	2	4	2	2	16	Low
	Vehicles travelling to and from the site will emit PM and gases. Expected vehicle volumes, however, will not result in any significant impact on local air quality beyond the direct vicinity of the main access road and access gate	Without	2	4	2	5	40	Mod
		With	2	4	2	5	40	Mod
	Containment loss is the greatest concern in relation to the storage of hazardous chemicals onsite	Without	10	4	3	1	17	Low
		With	10	4	3	1	17	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Ecology	Spread of invasive plant species	Without	6	5	2	4	52	Mod
		With	2	2	1	3	15	Low
	Direct loss (injury/mortality) of fauna species via roadkill	Without	8	4	2	8	70	Mod
		With	4	4	2	4	40	Mod
	Disturbance of faunal species of conservation concern – site lighting	Without	6	4	2	5	60	Mod
		With	4	4	2	2	20	Low
	Disturbance of faunal species of conservation concern – barrier to movement	Without	6	4	2	4	48	Mod
		With	6	4	2	3	36	Mod

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### Summary of Potential Operations Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Avifauna	Disturbance and Displacement	Without	8	4	2	4	56	Mod
		With	6	4	2	2	24	Low
	Collision with Infrastructure (Excluding Power Lines)	Without	6	4	1	5	55	Mod
		With	4	4	1	3	27	Low
	Water Pollution	Without	4	4	2	3	30	Mod
		With	2	4	2	2	16	Low
	Excessive Use of Water	Without	4	4	3	3	33	Mod
		With	2	4	3	2	18	Low
		Without	6	4	3	3	39	Mod
		With	4	4	2	2	20	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Bat	Barrier effect of PV plants to normal foraging and commuting behaviours	Without	8	4	1	4	52	Mod
		With	4	4	1	3	27	Low
	Change of bat community utilizing development area due to security lighting	Without	6	4	1	4	44	Mod
		With	2	4	1	4	28	Low
	Collision of bats with PV panels	Without	4	1	1	2	12	Low
With		4	1	1	1	6	Low	
Surface Water	Once operational, the 200MW Ndebele and Xhosa PV Plant installation will require a slight change in water demand which will be affected positively	Without	10	3	2	3	45	Mod
	During the operational phase there is a possibility of increased spillage of fuels, lubricants and other chemicals from the BESS. The installation and operation of the PV plants will result in the creation of some relatively small impervious areas	With	6	1	2	3	27	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Groundwater	If leakage from the BESS reach the groundwater, contamination can be expected. Unsatisfactory water quality (containing elevated counts of microbiological determinants or metal concentrations for example) is used to clean the solar cells this could infiltrate into the subsurface and possibly pollute the groundwater.	Without	6	4	3	6	65	Mod
		With	2	4	2	2	16	Low
Visual	The PV arrays would not be visible to the vast majority of the receptor locations in the study area, and thus would not cause any visual impact for the majority of the study area. Lighting at the Solar Power Plant could create a visual impact on the night-time environment by introducing new sources of lighting to a relatively unlit night-time environment.	Without	8	4	2	4	56	Mod
		With	6	4	22	3	36	Mod

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	No significant further impacts on fossil heritage are anticipated operational phase of the solar power facility.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Traffic	The operational phase will not generate heavy vehicle volumes when compared to the construction phase	Without	2	4	2	2	16	Low
		With	2	4	2	2	16	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Socio-Economic	The increase in generation capacity from 75 to 200MW contribution to the country's power generation capacity will contribute towards the overall stability of the national grid and a reduction in the greenhouse gas output per MWH generated.	Without	1	4	3	1	+8	Low
		With	8	4	4	5	+80	High

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	Due to the low rainfall and the sandy soils, the site is naturally not very prone to erosion, but inappropriate closure and rehabilitation could increase the erosion potential, leading to a topographical impact	Without	6	4	1	2	22	Low
		With	2	4	1	3	+21	Low
Air Quality	Particulate emissions during the closure and post-closure phase	Without	2	2	2	5	30	Mod
		With	2	2	2	5	30	Mod
	Decommissioning of BESS can also result in emissions to atmosphere due to containment issues	Without	10	4	3	1	17	Mod
		With	10	4	3	1	17	Mod

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	Due to the low rainfall and the sandy soils, the site is naturally not very prone to erosion, but inappropriate closure and rehabilitation could increase the erosion potential, leading to a topographical impact	Without	6	4	1	2	22	Low
		With	2	4	1	3	+21	Low
Air Quality	Particulate emissions during the closure and post-closure phase	Without	2	2	2	5	30	Mod
		With	2	2	2	5	30	Mod
	Decommissioning of BESS can also result in emissions to atmosphere due to containment issues	Without	10	4	3	1	17	Mod
		With	10	4	3	1	17	Mod

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Agricultural	Soil Degradation	Without	2	3	1	3	18	Low
		With	2	3	1	2	12	Low
Ecology	Spread of invasive plant species	Without	6	4	3	5	65	Mod
		With	4	2	1	3	21	Low
	Soil erosion and sediment loading of surface water runoff	Without	6	5	2	3	39	Mod
		With	6	5	3	1	14	Low
Avifauna	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Bat	Disturbance and displacement due to decommission noise and lighting	Without	6	2	1	4	36	Mod
		With	4	1	1	4	24	Low
Surface Water	During the closure there is a possibility of increased Spillage of fuels, lubricants and other chemicals from previously banded and contained areas	Without	6	2	2	4	40	Mod
		With	4	2	1	3	21	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Groundwater	During the closure there is a possibility of increased Spillage of fuels, lubricants and other chemicals from previously bunded and contained areas	Without	6	3	1	4	40	Mod
		With	2	2	1	3	15	Low
Visual	The site would not be visible to the vast majority of the receptor locations in the study area, and thus dust plumes generated at the closure site would be unlikely to cause any visual impact for the majority of the study area.	Without	6	2	2	4	40	Mod
		With	4	2	2	3	24	Low
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	No significant further impacts on fossil heritage are anticipated operational phase of the solar power facility.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a

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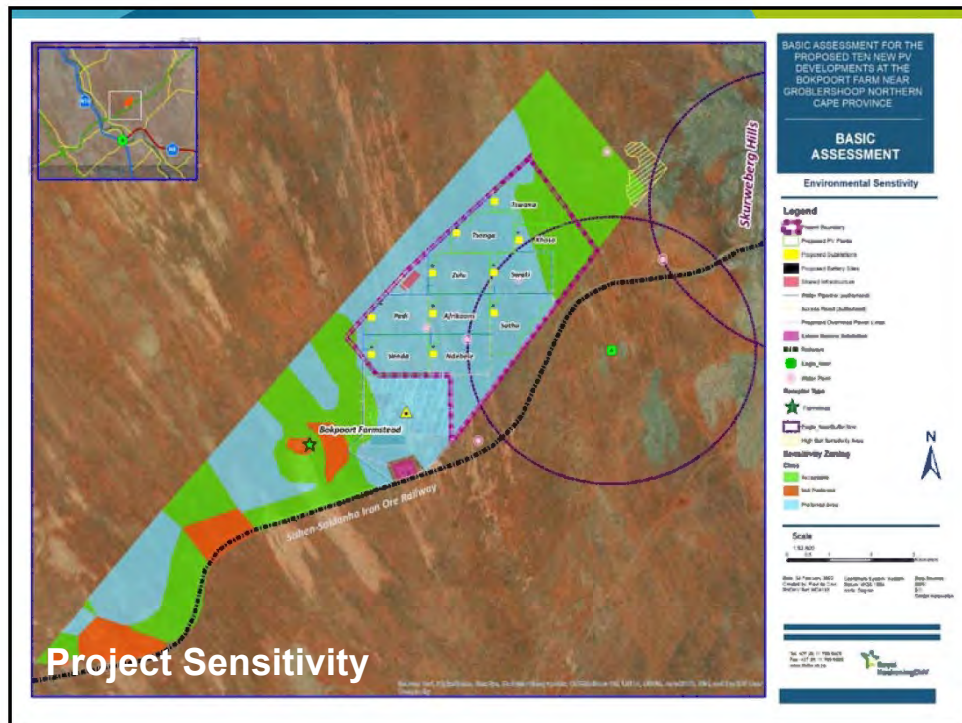
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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Traffic	The traffic activities will be similar to those of the construction phase, but by the time of closure, it is highly likely that the local access roads will have been paved	Without	4	2	2	5	40	Mod
		With	4	2	2	2	16	Low
Socio-Economic	Reduced employment	Without	8	4	2	4	56	Mod
		With	6	2	2	2	20	Low
Socio-Economic	Reduced economic benefit	Without	8	5	3	5	80	High
		With	6	5	2	4	52	Mod
Socio-Economic	Dependency on project sustaining local economy	Without	8	5	3	3	48	Mod
		With	6	3	2	2	22	Low

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## Key Mitigation Measures & Environmental Impact Statement

**Key Mitigation Measures**

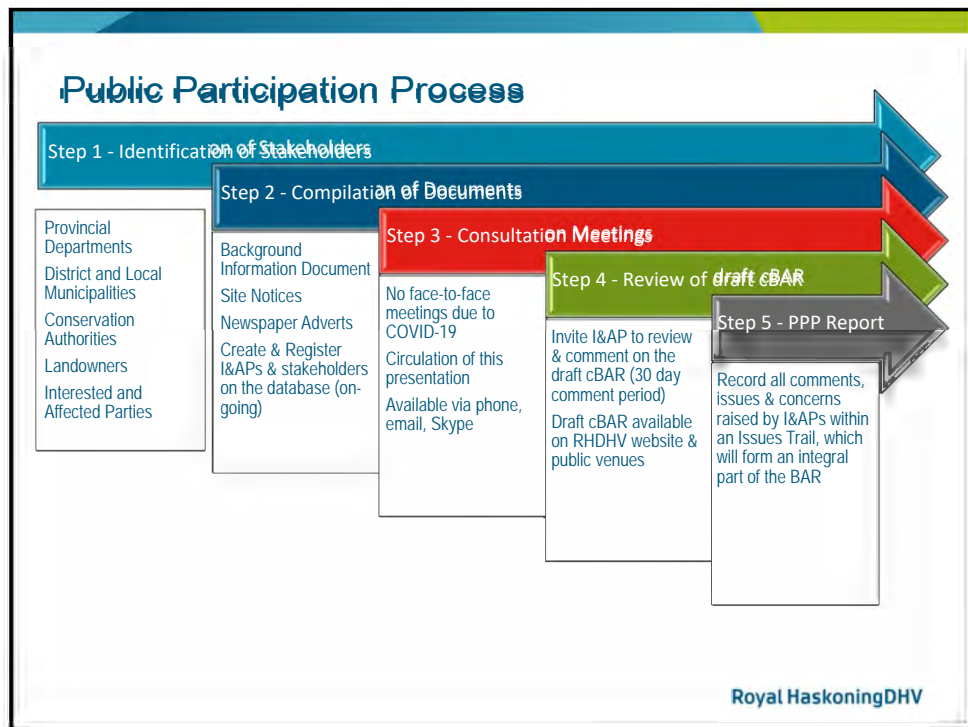
- Appoint Environmental Control Officer
- All other necessary permits, licences and approvals must be obtained prior to the commencement of construction
- The Transnet Service Road must be re-gravelled (150 mm thick over width) before construction
- Prior to site clearance, a detailed 'walkthrough' must be conducted of the proposed site to ascertain the number, abundance and physical conditions of all protected tree species to assist with permit applications (DEFF)
- Prior to site clearance, a detailed 'walkthrough' must be conducted of the proposed site to ascertain the number, abundance and physical conditions of all protected plant to assist with permit applications (NCDENC)
- A 250 m buffer must be demarcated around the rocky outcrop to the north of the study area
- A construction and operational phase bird monitoring programme must be implemented by a bird specialist, to document potential impacts on key species such as korhaans, bustards and eagles, and must include the ongoing monitoring of the active Verreaux's Eagle and Martial eagle nest sites

**Environmental Impact Statement**

- The project, in the EAP's opinion, does not pose a detrimental impact on the receiving environment and its inhabitants and can be mitigated significantly
- The Applicant must be bound to stringent conditions (EA and EMPr) to maintain compliance and a responsible execution of the project

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## Way Forward

- In the event that you having pressing issues, and would prefer a discussion, this can be arranged via Skype (please contact the PP consultant – details at the end of the presentation)
- Provide Comments on the draft cBARs (06 March – 06 April 2020) – report available on link below

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

- Comments to be included and addressed in the Issues Trail
- Comments to be incorporated into the final cBARs
- Submit final cBARs to DEFF for review and decision-making
- Environmental Authorisation (EA) expected June 2020
- EA notification to be sent to all registered I&APs

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## Contact Details

**Seshni Govender (PP Consultant)**

P O Box 867 Gallo Manor 2052

Tel: +27 87 352 1592

E-mail: [Seshni.govender@rhdhv.com](mailto:Seshni.govender@rhdhv.com)

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## **Availability of Basic Assessment Report (Post-lockdown)**

**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [Desmond Dolopi](#); [kheismun@lantic.net](#); [lizzysofiajob@gmail.com](#); [kheismun@lantic.net](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [office@afasa.org.za](#); [henning@agrink.co.za](#); [johan.mouton@kaapagri.co.za](#); [henniem@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [Michael.cheesian@angloamerican.com](#); [ansie@arrieseput-questhouse.com](#); [SimpHiweM@atns.co.za](#); [Krugerandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [boegoebergwater@lantic.net](#); [0825780900@vodamail.co.za](#); [blomp@mweb.co.za](#); [fgslabber@gmail.com](#); [jjslabber@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [aphete@ncp.gov.za](#); [imogodi@ncpg.gov.za](#); [maik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [mmadlongolwana@gmail.com](#); [lerato.april@energy.gov.za](#); [Vania.Mohotas@energy.gov.za](#); [abrahams@dwa.gov.za](#); [messop@environment.gov.za](#); [SMuruqan@environment.gov.za](#); [MRbothata@environment.gov.za](#); [abrahams@dwa.gov.za](#); [msolomons@environment.gov.za](#); [SLekota@environment.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jmwilliams.groblershoop@gmail.com](#); [mcoctober@ncpg.gov.za](#); [Isolomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [NSali@thedti.gov.za](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [snydersl@dwa.gov.za](#); [towellj@dwa.gov.za](#); [mashuduk@dwa.gov.za](#); [ngc@mntloaded.co.za](#); [thokoB@daff.gov.za](#); [djnboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaja@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [wilcofourie@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [0825780900@vodamail.co.za](#); [jreitzi@law.co.za](#); [theuniskotzestrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [strydanboerdery@lantic.net](#); [tsebe@lantic.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [lucius.moolman@sanparks.org](#); [maritzgrous@mweb.co.za](#); [ddw@lantic.net](#); [mweiderman@golder.co.za](#); [greenkal@webmail.co.za](#); [meatspan@lantic.net](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admimeo@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [greenkal@webmail.co.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [johannes@kleinbegin.co.za](#); [admin@kleinbegin.co.za](#); [kobus@lawmeat.co.za](#); [amorkel@vodamail.co.za](#); [pokl@mweb.co.za](#); [jason@nano.co.za](#); [Lazarus.Mahlangu@energy.gov.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.gxasheka@nersa.org.za](#); [omothel@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchotelo@ncpg.gov.za](#); [dcole@leg.ncape.gov.za](#); [fouriefarm@gmail.com](#); [grbrand@mntloaded.co.za](#); [wilcofourie@gmail.com](#); [admin@ortu.org.za](#); [japie@urbhotspot.co.za](#); [herman@owk.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [janniekuhn@gmail.com](#); [grobv@gmail.com](#); [fouriefarm@gmail.com](#); [abrahamsn@nra.co.za](#); [johan@kalahari-oryx.com](#); [breytenn@sentech.co.za](#); [fouriefarm@gmail.com](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [psnyman@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [andresmith@lantic.net](#); [pretoriusk@caa.co.za](#); [strohl@caa.co.za](#); [mmanong@nc.sahra.org.za](#); [ratha.timothy@gmail.com](#); [stevens@sanparks.org](#); [dekokr@nra.co.za](#); [atiplady@ska.ac.za](#); [andy.louw@standardbank.co](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumsnc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [ZMjila@zfm-dm.gov.za](#); [entoba@zfm-dm.gov.za](#); [drapatsa@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [gvanstaden@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [mashuduma@daff.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, IKheis Local Municipality  
**Date:** Monday, 01 June 2020 16:37:00  
**Attachments:** [MD4195-RHD-ZZ-XX-CO-YE-IAP's Rev BAR F01.pdf](#)  
**Importance:** High



Dear Stakeholder

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
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PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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Interested and Affected Party

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 T

+27 11 798 6005 F

Johannesburg@rhdhv.com E

royalhaskoningdhv.com W

Date:	01 June 2020	Contact name:	Seshni Govender
Your reference:		Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-YE-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

Dear Interested and Affected Party

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE !KHEIS LOCAL MUNICIPALITY (REF 14/12/16/3/3/1/2142 (VENDA); REF 14/12/16/3/3/1/2143 (TSONGA); REF 14/12/16/3/3/1/2144 (TSWANA) REF 14/12/16/3/3/1/2145 (SOTHO) REF 14/12/16/3/3/1/2146 (SWATI) REF 14/12/16/3/3/1/2147 (AFRIKAANS); REF 14/12/16/3/3/1/2148 (XHOSA); REF 14/12/16/3/3/1/2149 (NDEBELE); REF 14/12/16/3/3/1/2150 (PEDI) REF 14/12/16/3/3/1/2151 (ZULU)**

In March 2020 you were informed of the public review and comment period for the following reports:

- Project 1 - Basic Assessment for the Proposed 200MW Ndebele and Xhosa Photovoltaic Plant Developments and associated Battery Energy Storage System on the Remaining Extent of the Farm Bokpoort 390 Near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province; and
- Project 2 - Basic Assessment for the Proposed Development of Eight 200MW Photovoltaic (PV) Plants on the Remaining Extent of Farm Bokpoort 390, Groblershoop, Northern Cape.

The consultation Basic Assessment Reports (cBARs) review and comment period was proposed from 06 March – 06 April 2020 (30 days) for both Project 1 and Project 2, however due to the current COVID-19 crisis that has resulted in a National State of Disaster being declared and a lockdown (Level 5) instituted between midnight 26 March to date, I&APs were only afforded 21 days out of the mandatory 30-day review and commenting period.

In light of Level 3, Project 1 (BESS and capacity increase) cBAR is now available for review and comment from **02 June – 12 June 2020**.

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Directors: SW Sithole | AAH Mastenbroek (Dutch) | SS Sewlal |  
WM Stear | BNS Ntuli | M Belle | MP Matlawu



The Department of Environmental Affairs, Forestry and Fisheries (DEFF) requested a generic Environmental Management Programme (EMPr) for the powerline component for Project 2, therefore the cBAR has been revised to include the EMPr and is available for a review and commenting period from **05 June to 06 July 2020**. A public meeting is also proposed on **18 June 2020 at 09h30 at the !Kheis Municipal Council Chambers, 97 Oranje Street, Groblershoop** (any changes to the public meeting venue will be communicated).

Both cBARs will be available electronically on the following link:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**

Environmental Consultant

Road and Rail

087 352 1592

seshni.govender@rhdhv.com



## **Public Meeting (Post-lockdown)**

**From:** [Seshni Govender](#)  
**To:** [Thando Booj](#); [Makhosi Yeni](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maake](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:03:00  
**Importance:** High



Dear Thando and Makhosi

The details for the meeting for the above project are provided below:

1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
4. Address: !Kheis, GPS -28 50 19. 78" S / 22 04 16. 92" E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

For those I&APs that are unable to attend the meeting in person, please join the meeting via MS Teams, by clicking the link below:

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Additionally, the review period for the 2 PV plant applications (Ref 14/12/16/3/3/1/2148 and Ref 14/12/16/3/3/1/2149) has been extended up to **19 June 2020** (18 days).

The review period for the remaining 8 PV plant applications (Ref 14/12/16/3/3/1/2142 - 2147 and Ref 14/12/16/3/3/1/2150 - 2151) remains unchanged from **05 June – 06 July 2020** (30 days).

The reports are available at the link below.

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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**From:** [Seshni Govender](#)  
**To:** [Peter Kotze](#); [fouriefarm@gmail.com](#); [wilcofourie@gmail.com](#); [Johannes@kleinbegin.co.za](#); [johannes@bbmupington.co.za](#); [0827875318@vodamail.co.za](#); [meatspan@lantic.net](#); [kleinbegin@lantic.net](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maaake](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:10:00  
**Importance:** High



Dear Landowners

The details for the meeting for the above project are provided below:

1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
4. Address: !Kheis, GPS -28 50 19. 78" S / 22 04 16. 92" E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

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Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender  
**Cc:** Prashika Reddy; Malcolm Roods  
**Bcc:** kharahaiside@gmail.com; ahhaha@acwapower.com; lBathanya@acwapower.com; nyathela@mweb.co.za; henning@agrink.co.za; henning@agrink.co.za; joban.mouton@ksapagri.co.za; hanniem@stns.co.za; JP.Stander@airports.co.za; nongo.dibete@airports.co.za; atstop@lantic.net; SimpbiweM@stns.co.za; energy@birdlife.org.za; Krugerandre96@gmail.com; ceo@boegebergwater.co.za; z.mogorosi@ncpg.gov.za; Jabu.Smit@gmail.com; amogodi@ncpg.gov.za; maik@ncpg.gov.za; feriscm2@gmail.com; ndumleamad@gmail.com; mmaadlongwana@gmail.com; lerato.aprili@energy.gov.za; messop@environment.gov.za; MRabohala@environment.gov.za; msolomons@environment.gov.za; Slekota@environment.gov.za; aletpienaar@ncpg.gov.za; jmwilliams.groblerhoop@gmail.com; moctober@ncpg.gov.za; solomon@ncpg.gov.za; msmith@ncpg.gov.za; Lionel.Archilles; cebekulum@dwa.gov.za; ShibambuS@dwa.gov.za; clootes@dwa.gov.za; lowell@dwa.gov.za; Thebee@dwa.gov.za; mburger@ncpg.gov.za; thoko@daf.gov.za; djnboer@lantic.net; kmohala@economic.gov.za; kskhitha@economic.gov.za; struwi@eskom.co.za; adila.marango@eskom.co.za; ronnie.snyman@eskom.co.za; Wynqajoe@eskom.co.za; John.Goringh@eskom.co.za; detekkw@lantic.net; pietetdp@karston.co.za; makaleni@duress2@gmail.com; gary.gerber@angloamerican.com; frankie.groenevald@gmail.com; juelz@law.co.za; theunis.kotze@stns.co.za; lowergroen1@gmail.com; info@boegebergwater.co.za; info@boegebergwater.co.za; turbine@lantic.net; louiskotze@isat.co.za; lucius.moolman@sanparks.org; ddv@lantic.net; mweldeman@golder.co.za; info@waterjcg.co.za; info@kalahariwater.co.za; slcc@kharahais.gov.za; mayor.officedclerk1@kharahais.gov.za; dev@kharahais.gov.za; headtownplan@kharahais.gov.za; admneo@kharahais.gov.za; mayorsec@kharahais.gov.za; econ@kharahais.gov.za; managersec@kharahais.gov.za; planning@kharahais.gov.za; envhealth2@kharahais.gov.za; tourism@kharahais.gov.za; kobus@lawmeat.co.za; Jason@nano.co.za; Maduna.Ngobeni@energy.gov.za; andlie.gvasheka@nersa.org.za; omothalefi@ncpg.gov.za; hlouwd16@gmail.com; tchotelo@ncpg.gov.za; grbrand@minloaded.co.za; tizellewater@yahoo.com; aqua@douglas.co.za; Jobane@kalahari-oryx.com; cpchowell@hotmail.com; Gloria.Tlaky@gmail.com; grobbys@gmail.com; abrahams@nra.co.za; johans@kalahari-oryx.com; brytenn@sentech.co.za; allplaly@ska.ac.za; aduplessis@ska.ac.za; dietrich@vordonline.co.za; andresmith@lantic.net; pretorius@csa.co.za; stroh@csa.co.za; stevens@sanparks.org; alplady@ska.ac.za; andy.kouwe@standardbank.co.za; swjohnstn@mweb.co.za; Marina.Lourens@transnet.net; Gilbert.Nortier@transnet.net; Norman.Papenfus@transnet.net; white1@mweb.co.za; se@museumsnc.co.za; schymist@gmail.com; andresmith@lantic.net; wilsandkalahari@telkomsa.net; hannes@zfm-dm.gov.za; at@zfm-dm.gov.za; djvz@zfm-dm.gov.za; ayaphi@ncpg.gov.za; mschlechter@golder.co.za; Oscar.Mohale; Lusanl.Jacqueline.Madali; Phumi.Maake

**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, IKheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:06:00  
**Importance:** High



Dear I&AP

The details for the meeting for the above project are provided below:

1. Date: 18 June 2020
2. Time: 10h00
3. Venue: Kheis Riverside Lodge
4. Address: Kheis, GPS -28 50 19. 78° S / 22 04 16. 92° E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

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The review period for the remaining 8 PV plant applications (Ref 14/12/16/3/3/1/2142 - 2147 and Ref 14/12/16/3/3/1/2150 - 2151) remains unchanged from **05 June – 06 July 2020** (30 days).

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Regards

Seshni Govender  
Environmental Consultant

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**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maaake](#); [tedishe@gmail.com](#); [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [ddolopi@gmail.com](#); [lizzysofajob@gmail.com](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:01:00  
**Importance:** High



Dear Representatives of the !Kheis Local Municipality

The details for the meeting for the above project are provided below:

1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
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**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [dmoleko@ncpg.gov.za](#); [NCEIAapplications@environment.gov.za](#); [Lusani Jacqueline Madali](#); [Phumi Maake](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:01:00  
**Importance:** High



Dear Representatives of the Northern Cape Department of Environment and Nature Conservation

The details for the meeting for the above project are provided below:

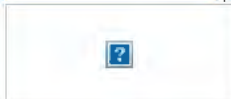
1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
4. Address: !Kheis, GPS -28 50 19. 78" S / 22 04 16. 92" E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

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Additionally, the review period for the 2 PV plant applications (Ref 14/12/16/3/3/1/2148 and Ref 14/12/16/3/3/1/2149) has been extended up to **19 June 2020** (18 days).

The review period for the remaining 8 PV plant applications (Ref 14/12/16/3/3/1/2142 - 2147 and Ref 14/12/16/3/3/1/2150 - 2151) remains unchanged from **05 June – 06 July 2020** (30 days).

The reports are available at the link below.

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [mburger@ncpg.gov.za](#); [ncrpw@ncpg.gov.za](#); [gkeyser@vodamail.co.za](#); [ibulani@ncpg.gov.za](#); [ebreytenbach@ncpg.gov.za](#); [cvalentine@ncpg.gov.za](#); [Lusani Jacqueline Madali](#); [Phumi Maake](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:03:00  
**Importance:** High



Dear Representatives of the Northern Cape Department of Roads and Public Works

The details for the meeting for the above project are provided below:

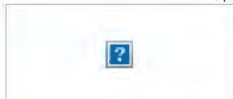
1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
4. Address: !Kheis, GPS -28 50 19. 78" S / 22 04 16. 92" E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

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Additionally, the review period for the 2 PV plant applications (Ref 14/12/16/3/3/1/2148 and Ref 14/12/16/3/3/1/2149) has been extended up to **19 June 2020** (18 days).

The review period for the remaining 8 PV plant applications (Ref 14/12/16/3/3/1/2142 - 2147 and Ref 14/12/16/3/3/1/2150 - 2151) remains unchanged from **05 June – 06 July 2020** (30 days).

The reports are available at the link below.

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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**From:** [Seshni Govender](mailto:Seshni.Govender@rhdhv.com)  
**To:** [jmy@zfm-dm.gov.za](mailto:jmy@zfm-dm.gov.za); [fpr@zfm-dm.gov.za](mailto:fpr@zfm-dm.gov.za)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maake](#)  
**Subject:** Public Meeting for the PV Plant Project on the Farm Bokpoort, !Kheis Local Municipality  
**Date:** Thursday, 11 June 2020 16:05:00  
**Importance:** High



Dear Ms Yawa and Mr Ruppig

The details for the meeting for the above project are provided below:

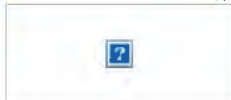
1. Date: 18 June 2020
2. Time: 10h00
3. Venue: !Kheis Riverside Lodge
4. Address: !Kheis, GPS -28 50 19. 78" S / 22 04 16. 92" E, Groblershoop, 8850
5. Contact Person in Attendance: Malcolm Roods (071 674 7091)

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The review period for the remaining 8 PV plant applications (Ref 14/12/16/3/3/1/2142 - 2147 and Ref 14/12/16/3/3/1/2150 - 2151) remains unchanged from **05 June – 06 July 2020** (30 days).

The reports are available at the link below.

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191



## **Revised Timeframes (According to Permitting Regulations)**

**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maaque](#); [tedishe@gmail.com](#); [jacobusb@kheis.co.za](#); [angelodaniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [ddolopi@gmail.com](#); [lizysofajob@gmail.com](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [dmoleko@ncpg.gov.za](#); [NCEIAapplications@environment.gov.za](#); [mburger@ncpg.gov.za](#); [ncrpw@ncpg.gov.za](#); [ibulani@ncpg.gov.za](#); [ebreytenbach@ncpg.gov.za](#); [cvalentine@ncpg.gov.za](#); [jmy@zfm-dm.gov.za](#); [fpr@zfm-dm.gov.za](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [henning@agrink.co.za](#); [henning@agrink.co.za](#); [johan.mouton@kaapagri.co.za](#); [henniem@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [SimphiweM@atns.co.za](#); [energy@birdlife.org.za](#); [Krugetandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [imogodi@ncpg.gov.za](#); [rnaik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [lerato.april@energy.gov.za](#); [messop@environment.gov.za](#); [MRabothata@environment.gov.za](#); [msolomons@environment.gov.za](#); [SLekota@environment.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jmwilliams.groblershoop@gmail.com](#); [mctober@ncpg.gov.za](#); [Isolomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [Lionel Archillies](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [cloetes@dwa.gov.za](#); [towellj@dwa.gov.za](#); [Thebee@dwa.gov.za](#); [mburger@ncpg.gov.za](#); [thokoB@daff.gov.za](#); [dijnboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaajo@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [jreitz@law.co.za](#); [theuniskotzstrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [info@boegoebergwater.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [lucius.moolman@sanparks.org](#); [ddw@lantic.net](#); [mweliderman@golder.co.za](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admineo@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [kobus@lawmeat.co.za](#); [jason@nano.co.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.gxasheka@nersa.org.za](#); [omothelafi@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchotel@ncpg.gov.za](#); [grbrand@mtnloaded.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [grobv@gmail.com](#); [abrahamsn@nra.co.za](#); [johan@kalahari-oryx.com](#); [breyten@sentech.co.za](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [strohl@caa.co.za](#); [stevens@sanparks.org](#); [atiplady@ska.ac.za](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumsnc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#); [Oscar Mohale](#); [Peter Kotze](#); [fouriefarm@gmail.com](#); [wilcofourie@gmail.com](#); [Johannes@kleinbegin.co.za](#); [johannes@bbmupington.co.za](#); [0827875318@vodamail.co.za](#); [meatspan@lantic.net](#); [kleinbegin@lantic.net](#)

**Subject:** Revised Timeframes for the Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

**Date:** Monday, 15 June 2020 16:27:00

**Attachments:** [MD4195-RHD-ZZ-XX-CO-YE-IAP's Rev Timeframes F01.pdf](#)

**Importance:** High



Dear Interested and Affected Party

Please find attached communication regarding the revised timeframes for the commenting period for the associated Basic Assessment Reports.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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Interested and Affected Party

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 T  
+27 11 798 6005 F  
Johannesburg@rhdhv.com E  
royalhaskoningdhv.com W

Date:	15 June 2020	Contact name:	Seshni Govender
Your reference:		Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-YE-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

Dear Interested and Affected Party

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE !KHEIS LOCAL MUNICIPALITY (REF 14/12/16/3/3/1/2142 (VENDA); REF 14/12/16/3/3/1/2143 (TSONGA); REF 14/12/16/3/3/1/2144 (TSWANA) REF 14/12/16/3/3/1/2145 (SOTHO) REF 14/12/16/3/3/1/2146 (SWATI) REF 14/12/16/3/3/1/2147 (AFRIKAANS); REF 14/12/16/3/3/1/2148 (XHOSA); REF 14/12/16/3/3/1/2149 (NDEBELE); REF 14/12/16/3/3/1/2150 (PEDI) REF 14/12/16/3/3/1/2151 (ZULU)**

In March 2020 you were informed of the public review and comment period for the following reports:

- Project 1 - Basic Assessment for the Proposed 200MW Ndebele and Xhosa Photovoltaic Plant Developments and associated Battery Energy Storage System on the Remaining Extent of the Farm Bokpoort 390 Near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province; and
- Project 2 - Basic Assessment for the Proposed Development of Eight 200MW Photovoltaic (PV) Plants on the Remaining Extent of Farm Bokpoort 390, Groblershoop, Northern Cape.

The consultation Basic Assessment Reports (cBARs) review and comment period was proposed from 06 March – 06 April 2020 (30 days) for both Project 1 and Project 2, however due to the current COVID-19 crisis that has resulted in a National State of Disaster being declared and a lockdown (Level 5) instituted between midnight 26 March to date, I&APs were only afforded 21 days out of the mandatory 30-day review and commenting period.

Correspondence was sent to you on 02 June 2020 indicating that the commenting period was from **02 June-12 June 2020** for Project 1 (BESS and capacity increase) but further guidance from the

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Directors: SW Sithole | AAH Mastenbroek (Dutch) | SS Sewlal |  
WM Stear | BNS Ntuli | M Belle | MP Matlawia



Department of Environment, Forestry and Fisheries (DEFF), indicated that the cBAR review and comment period has to be amended based on *Gazette No. 43412 GN. R 650: Disaster Management Act (57/2002): Directions Regarding Measures to Address, Prevent and Combat the Spread of COVID-19 Relating to National Environmental Management Permits and Licences*, from **06 June – 06 July 2020**.

Further to this for Project 2, this original cBAR is also available for a review and commenting period from **06 June to 06 July 2020**.

Both cBARs will be available electronically on the following link:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

The DEFF has also requested a generic Environmental Management Programme (EMPr) for the powerline component for Project 2, the commenting period for this revised BAR and EMPr will be communicated at a later date.

Regards

**Seshni Govender**

Environmental Consultant

Road and Rail

087 352 1592

seshni.govender@rhdhv.com

## **Amendment Notifications**

**From:** [Seshni Govender](#)  
**Bcc:** [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [kheismun@lantic.net](#); [lizzysofiajob@gmail.com](#); [kheismun@lantic.net](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [office@afasa.org.za](#); [henning@agrinc.co.za](#); [johan.mouton@kaapagri.co.za](#); [peterm@atns.co.za](#); [henniem@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [Michael.cheesian@angloamerican.com](#); [ansie@arrieseput-guesthouse.com](#); [SimpfiweM@atns.co.za](#); [energy@birdlife.org.za](#); [Krugerandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [boegoewgv@lantic.net](#); [0825780900@vodamail.co.za](#); [blomp@mweb.co.za](#); [vkarty@bseinc.com](#); [fgslabber@gmail.com](#); [jjslabber@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [aphete@ncp.gov.za](#); [imogodi@ncpg.gov.za](#); [rnaik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [mmadlongolwana@gmail.com](#); [lerato.april@energy.gov.za](#); [Vania.Mohotas@energy.gov.za](#); [abrahams@dwa.gov.za](#); [messop@environment.gov.za](#); [SMurugan@environment.gov.za](#); [MRabothata@environment.gov.za](#); [dmoleko@ncpg.gov.za](#); [msolomons@environment.gov.za](#); [SLeikota@environment.gov.za](#); [simpfiwe.makhatini@dpe.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jmwilliams.groblershoop@gmail.com](#); [mooctober@ncpg.gov.za](#); [Isolomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [NSali@thedti.gov.za](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [cloetes@dwa.gov.za](#); [snydersl@dwa.gov.za](#); [towellj@dwa.gov.za](#); [mashuduk@dwa.gov.za](#); [Thebe@dwa.gov.za](#); [ngc@mtnloaded.co.za](#); [thokoB@daff.gov.za](#); [djinboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwiipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaajo@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [wilcofourie@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [0825780900@vodamail.co.za](#); [jreitz@law.co.za](#); [theuniskotzestrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [info@boegoebergwater.co.za](#); [strydanboerdery@lantic.net](#); [tsebe@lantic.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [Lucius.moolman@sanparks.org](#); [maritzgrous@mweb.co.za](#); [ddw@lantic.net](#); [mweiderman@golder.co.za](#); [greenkal@webmail.co.za](#); [meatspan@lantic.net](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admin@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [greenkal@webmail.co.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [johannes@kleinbegin.co.za](#); [Johannes@kleinbegin.co.za](#); [admin@kleinbegin.co.za](#); [kobus@lawmeat.co.za](#); [amorkel@vodamail.co.za](#); [pokl@mweb.co.za](#); [jason@nano.co.za](#); [Lazarus.Mahlangu@energy.gov.za](#); [Vania.Mahotas@energy.gov.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.qxasheka@nersa.org.za](#); [omothelafi@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchotelo@ncpg.gov.za](#); [dcole@leg.ncape.gov.za](#); [fouriefarm@gmail.com](#); [grbrand@mtnloaded.co.za](#); [wilcofourie@gmail.com](#); [admin@ortu.org.za](#); [japie@urbhotspot.co.za](#); [herman@owk.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [janniekuhn@gmail.com](#); [grobv@gmail.com](#); [fouriefarm@gmail.com](#); [abrahams@nra.co.za](#); [johan@kalahari-oryx.com](#); [breytynn@sentech.co.za](#); [fouriefarm@gmail.com](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [psnyman@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [andresmith@lantic.net](#); [strohl@caa.co.za](#); [mmanong@nc.sahra.org.za](#); [ratha.timothy@gmail.com](#); [stevens@sanparks.org](#); [dekoctr@nra.co.za](#); [atiplady@ska.ac.za](#); [andy.louw@standardbank.co.za](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumsnc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [fpr@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [ZMjila@zfm-dm.gov.za](#); [entoba@zfm-dm.gov.za](#); [drapatsa@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [gvanstaden@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [greenkal@webmail.co.za](#); [mashuduma@daff.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#); [Floyd Leeuw](#); [Desmond Dolopi](#); [Oranjerivier LU](#); [Melanie Theron S](#); [Malcolm Roods](#); [Prashika Reddy](#); [Lusani Jacqueline Madali](#); [Phumi Maake](#); [Oscar Mohale](#)  
**Subject:** Notice of EA for the Bokpoort II CSP Amendment (DEFF REF:14/12/16/3/3/2/879/AM1)  
**Date:** Tuesday, 09 June 2020 16:09:00  
**Attachments:** [MD4195-RHD-ZZ-XX-CO-Z-0001-CSP Amendment F01.pdf](#)  
[14-12-16-3-3-2-879-AM1.pdf](#)  
**Importance:** High



Dear Interested and Affected Party

Please find attached correspondence regarding the decision on the amendment application for the lapsing of the validity period of the EA issued for the Bokpoort II CSP Project.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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Interested and Affected Parties

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 **T**

+27 11 798 6005 **F**

Johannesburg@rhdhv.com **E**

royalhaskoningdhv.com **W**

Date:	09 June 2020	Contact name:	Seshni
Your reference:	14/12/16/3/3/2/879/AM1	Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-Z-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

**Notice of Environmental Authorisation for the Amendment of the Environmental Authorisation issued on 21 October 2016 for the Construction of 150MW Bokpoort II Concentrated Solar Power (CSP) Tower Facility and its Associated Infrastructure near Groblershoop within the !Kheis Local Municipality (Ref 14/12/16/3/3/2/879AM1)**

Dear Interested and Affected Party

The Department of Environmental Affairs, Forestry and Fisheries (DEFF) has issued a decision to lapse the Environmental Authorisation (EA) Ref 14/12/16/3/3/2/879AM1 to ACWA Power Africa Holdings (PTY) Ltd in respect of the aforementioned project in terms of the National Environmental Management Act, 1998 (Act No 107 of 1998) (as amended) and the EIA Regulations, 2014 (as amended in 2017). The EA was issued on 12 February 2020 but was only forwarded to the Environmental Assessment Practitioner on 09 June 2020.

The amendment was requested for the lapsing of the validity period of the above-mentioned EA as the Department of Mineral Resources and Energy published a revised Resource Plan (IRP) indicating the preferred technologies for generating energy and subsequently the CSP technology was excluded from this plan.

A full copy of the EA, outlining the conditions of approval for the proposed project has been attached to this letter and/or can be accessed from Royal HaskoningDHV's website (<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>).

**NOTICE OF APPEAL PROCESS**

In terms of Regulation 4(1) of the National Appeal Regulations, 2014 (GN R.993), an appellant must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered Interested and Affected Party (I&AP) and any Organ of State with interest in the matter within 20 days from:

Royal HaskoningDHV (Pty) Ltd is part of Royal HaskoningDHV  
Reg No. 1966/001916/07

Directors: SW Sithole | AAH Mastenbroek (Dutch) | SS Sewlal |  
WM Stear | BNS Ntuli | M Belle | MP Matlawu



The date that the notification of the decision for an application for an environmental authorisation was sent to the registered Interested and Affected Parties (I&APs) by the applicant (i.e. 09 June 2020).

An appeal submission must be accompanied by:

- i. A statement setting out the grounds of appeal;
- ii. Supporting documentation which is referred to in the appeal submission; and
- iii. A statement, including supporting documentation, by the appellant to confirm compliance with regulation 4(1) of the National Appeals Regulations, 2014 (GN R.993).

Appeals can be submitted utilising one of the following methods:

By Email: [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za)

By Post: Private Bag X447  
Pretoria, 0001

By Hand: Environment House  
473 Steve Biko Road  
Arcadia  
Pretoria, 0083

I&APs intending to submit a Notice of Intention to Appeal should send a copy to the Applicant (ACWA Power Africa Holdings (PTY) Ltd) and Royal HaskoningDHV as well as a notice indicating where and for what period the appeal submission will be available for inspection by the Applicant within ten (10) days of lodging the notice.

Applicant: ACWA Power Africa Holdings (PTY) Ltd  
Mr Prabashen Govender  
7<sup>th</sup> Floor, 90 Grayston, Sandton, 2196  
Tel: 011 722 4100  
Email: [pgovender@acwapower.com](mailto:pgovender@acwapower.com)

Royal HaskoningDHV: Seshni Govender (Royal HaskoningDHV)  
PO Box 867, Gallo Manor, 2052  
Tel: 087 352 1592  
Email: [Seshni.govender@rhdhv.com](mailto:Seshni.govender@rhdhv.com)

If you require any further information please do not hesitate to contact me.

**Seshni Govender**

Environmental Consultant  
Southern Africa



**From:** [Seshni Govender](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Bcc:** [Lusani Jacqueline Madali](#); [Phumi Maaque](#); [tedishe@gmail.com](#); [jacobusb@kheis.co.za](#); [angelo.daniels21@gmail.com](#); [ayrtondd@gmail.com](#); [andries.d2@gmail.com](#); [ddolopi@gmail.com](#); [lizzysofajob@gmail.com](#); [mmathupi22@gmail.com](#); [teresascheepers@vodamail.co.za](#); [fvaneck52@gmail.com](#); [paulvries10@gmail.com](#); [agaorelwe@ncpg.gov.za](#); [egroeners@ncpg.gov.za](#); [dmoleko@ncpg.gov.za](#); [NCEIAapplications@environment.gov.za](#); [mburger@ncpg.gov.za](#); [ncrpw@ncpg.gov.za](#); [ibulani@ncpg.gov.za](#); [ebreytenbach@ncpg.gov.za](#); [cvalentine@ncpg.gov.za](#); [jmy@zfm-dm.gov.za](#); [fpr@zfm-dm.gov.za](#); [kheisriverside@gmail.com](#); [nbhula@acwapower.com](#); [LRathanya@acwapower.com](#); [nyathela@mweb.co.za](#); [henning@agrink.co.za](#); [henning@agrink.co.za](#); [johan.mouton@kaapagri.co.za](#); [henniemi@atns.co.za](#); [JP.Stander@airports.co.za](#); [nongo.dibete@airports.co.za](#); [alstop@lantic.net](#); [SimphiweM@atns.co.za](#); [energy@birdlife.org.za](#); [Krugerandre96@gmail.com](#); [ceo@boegoebergwater.co.za](#); [z.mogorosi@ncpg.gov.za](#); [jabu.smit@gmail.com](#); [imogodi@ncpg.gov.za](#); [rnaik@ncpg.gov.za](#); [ferryscm2@gmail.com](#); [ndumiemad@gmail.com](#); [lerato.april@energy.gov.za](#); [messop@environment.gov.za](#); [MRabothata@environment.gov.za](#); [msolomons@environment.gov.za](#); [SEkota@environment.gov.za](#); [aletpienaar@ncpg.gov.za](#); [jwilliams.groblershoop@gmail.com](#); [mctober@ncpg.gov.za](#); [solomon@ncpg.gov.za](#); [msmith@ncpg.gov.za](#); [Lionel Archillies](#); [cebekhulum@dwa.gov.za](#); [ShibambuS@dwa.gov.za](#); [cloetes@dwa.gov.za](#); [towellj@dwa.gov.za](#); [Thebee@dwa.gov.za](#); [mburger@ncpg.gov.za](#); [thokoB@daff.gov.za](#); [djnboer@lantic.net](#); [bmohlala@economic.gov.za](#); [ksikhitha@economic.gov.za](#); [struwiipe@eskom.co.za](#); [adila.marengo@eskom.co.za](#); [ronnie.snyman@eskom.co.za](#); [Wynqaajo@eskom.co.za](#); [John.geeringh@eskom.co.za](#); [derickdw@lantic.net](#); [pieterdp@karsten.co.za](#); [makatieniedupreez@gmail.com](#); [gary.gerber@angloamerican.com](#); [frankiegroenewald@gmail.com](#); [jreitz@law.co.za](#); [theuniskotzestrauss@gmail.com](#); [lowergroen1@gmail.com](#); [info@boegoebergwater.co.za](#); [info@boegoebergwater.co.za](#); [turbine@lantic.net](#); [louiskotze@isat.co.za](#); [lucius.moolman@sanparks.org](#); [ddw@lantic.net](#); [mweiderman@golder.co.za](#); [info@waterjcg.co.za](#); [info@kalahariwater.co.za](#); [elec@kharahais.gov.za](#); [mayor.officeclerk1@kharahais.gov.za](#); [dev@kharahais.gov.za](#); [headtownplan@kharahais.gov.za](#); [admimeo@kharahais.gov.za](#); [mayorsec@kharahais.gov.za](#); [econ@kharahais.gov.za](#); [managersec@kharahais.gov.za](#); [planning@kharahais.gov.za](#); [envhealth2@kharahais.gov.za](#); [tourism@kharahais.gov.za](#); [kobus@lawmeat.co.za](#); [jason@nano.co.za](#); [Maduna.Ngobeni@energy.gov.za](#); [andile.gxasheka@nersa.org.za](#); [omothelafi@ncpg.gov.za](#); [hlouw416@gmail.com](#); [tchotel@ncpg.gov.za](#); [grbrand@mtnloaded.co.za](#); [lizellewater@yahoo.com](#); [aqua@douglas.co.za](#); [johan@kalahari-oryx.com](#); [cpchowell@hotmail.com](#); [Gloria.tlaky@gmail.com](#); [grobv@gmail.com](#); [abrahamsn@nra.co.za](#); [johan@kalahari-oryx.com](#); [breytenn@sentech.co.za](#); [atiplady@ska.ac.za](#); [aduplessis@ska.ac.za](#); [dieterholm@worldonline.co.za](#); [strohl@caa.co.za](#); [stevens@sanparks.org](#); [atiplady@ska.ac.za](#); [swjohnston@mweb.co.za](#); [Marina.Lourens@transnet.net](#); [Gilbert.Nortier@transnet.net](#); [Norman.Papenfus@transnet.net](#); [white1@mweb.co.za](#); [se@museumsnc.co.za](#); [s.chymist@gmail.com](#); [andresmith@lantic.net](#); [witsandkalahari@telkomsa.net](#); [hannes@zfm-dm.gov.za](#); [at@zfm-dm.gov.za](#); [djvz@zfm-dm.gov.za](#); [ayaphi@ncpg.gov.za](#); [mschlechter@golder.co.za](#); [Oscar Mohale](#); [Peter Kotze](#); [fouriefarm@gmail.com](#); [wilcofourie@gmail.com](#); [Johannes@kleinbegin.co.za](#); [johannes@bbmupington.co.za](#); [0827875318@vodamail.co.za](#); [meatspan@lantic.net](#); [kleinbegin@lantic.net](#); [Prince Mbele Transnet Freight Rail BLM](#); [Terrence Yengwa Transnet Freight Rail EMP](#); [Lourens Van Wyk Transnet Freight Rail SLD](#); [Marina Lourens Transnet Freight Rail](#)  
**Subject:** Notice of EA Amendment for the 2 Previously Authorised PV Plants (14/12/16/3/3/2/881/AM1 and 14/12/16/3/3/2/880/AM1)  
**Date:** Friday, 19 June 2020 08:25:00  
**Attachments:** [14-12-16-3-3-2-881-AM1.pdf](#)  
[14-12-16-3-3-2-880-AM1.pdf](#)  
[MD4195-RHD-ZZ-XX-CO-Z-0001-PV 1 & 2 Amendment F01.pdf](#)  
**Importance:** High



Dear Interested and Affected Party

Please find attached correspondence regarding the decision on the amendment applications for the two previously authorised PV Plants (PV 1 and 2).

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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Interested and Affected Parties

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 **T**

+27 11 798 6005 **F**

Johannesburg@rhdhv.com **E**

royalhaskoningdhv.com **W**

Date:	19 June 2020	Contact name:	Seshni Govender
Your reference:	14/12/16/3/3/2/880/AM1& 14/12/16/3/3/2/881/AM1	Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-Z-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

**Notice of Amendment of the Environmental Authorisation issued on 24 October 2016 for the Bokpoort II 75MW PV 1 and PV2 Photovoltaic Development on the Remaining Extent of the Farm Bokpoort 390 Near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province (Ndebele PV Plant (PV1)-14/12/16/3/3/2/881/AM1 and Xhosa PV Plant (PV2)-14/12/16/3/3/2/880/AM1)**

Dear Interested and Affected Party

The Department of Environmental Affairs, Forestry and Fisheries (DEFF) has issued a decision to amend the Environmental Authorisations (EAs) to ACWA Power Africa Holdings (PTY) Ltd for the following projects:

- Ref 14/12/16/3/3/2/880/AM1 – Environmental Authorisation issued on 24 October 2016 for the Bokpoort II 75MW Solar Development (PV2) on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province.
- Ref 14/12/16/3/3/2/881/AM1 - Environmental Authorisation issued on 24 October 2016 for the Bokpoort II 75MW Solar Development (PV1) on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province.

The amendment of the EAs were issued on 12 June 2020.

The amendments were in respect of:

- Amendment 1: Change in Name of EA holder from ACWA Power Africa Holdings (PTY) Ltd to ACWA Power Energy Africa (PTY) Ltd;
- Amendment 2: Change in Project name from Bokpoort PV1 and PV2 to Ndebele Solar Power Plant and Xhosa Solar Power Plant respectively;
- Amendment 3: Change in co-ordinates of the plants;

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Reg No. 1966/001916/07

Directors: SW Sithole | AAH Mastenbroek (Dutch) | SS Sewlal |  
WM Stear | BNS Ntuli | M Belle | MP Matlawu



- Amendment 4: Decrease in the project area of both PV Plants from 250ha to 150ha;
- Amendment 5: Change in the project description - since the EA was issued there has been several technological innovation and advancement within the PV solar industry as well in battery electricity storage systems ("BESS"). The capacity output of PV modules per area has increased and BESS has become commercially viable. Based on the revised Integrated Resources Plan (IRP), ACWA Power has now optimised utilisation of its current site to accommodate for additional power capacity as well as include BESS to better serve the country's energy needs.

A full copy of the amendment to the EAs, outlining the conditions of approval for the proposed project has been attached to this letter and/or can be accessed from Royal HaskoningDHV's website (<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>).

### NOTICE OF APPEAL PROCESS

In terms of Regulation 4(1) of the National Appeal Regulations, 2014 (GN R.993), an appellant must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered Interested and Affected Party (I&AP) and any Organ of State with interest in the matter within 20 days from:

- The date that the notification of the decision for an application for an environmental authorisation was sent to the registered Interested and Affected Parties (I&APs) by the applicant (i.e. 19 June 2020).

An appeal submission must be accompanied by:

- i. A statement setting out the grounds of appeal;
- ii. Supporting documentation which is referred to in the appeal submission; and
- iii. A statement, including supporting documentation, by the appellant to confirm compliance with regulation 4(1) of the National Appeals Regulations, 2014 (GN R.993).

Appeals can be submitted utilising one of the following methods:

By Email: [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za)

By Post: Private Bag X447  
Pretoria, 0001

By Hand: Environment House  
473 Steve Biko Road  
Arcadia  
Pretoria, 0083

Applicant: ACWA Power Energy Africa Holdings (PTY) Ltd  
Mr Prabashen Govender  
7<sup>th</sup> Floor, 90 Grayston, Sandton, 2196  
Tel: 011 722 4100  
Email: [pgovender@acwapower.com](mailto:pgovender@acwapower.com)

Royal HaskoningDHV: Seshni Govender (Royal HaskoningDHV)  
PO Box 867, Gallo Manor, 2052  
Tel: 087 352 1592  
Email: [Seshni.govender@rhdhv.com](mailto:Seshni.govender@rhdhv.com)

If you require any further information please do not hesitate to contact me.

**Seshni Govender**

Environmental Consultant  
Southern Africa

Project related

## **Appendix C: BID Document**

**BASIESE OMGEWINGS ASSESSERINGS (BOA) PROSES VIR DIE VOORGESTELDE ONTWIKKELING VAN AGT (8) FOTOVOLTAIESE (FV) PROJEKTE EN WYSIGING VAN DIE OMGEWINGS GOEDKEURINGS VAN TWEE (2) FV ONTWIKKELINGE OP DIE BOKPOORT PLAAS NABY GROBLERSHOOP IN DIE NOORD KAAP PROVINSIE**

**AGTERGROND INLIGTINGS DOKUMENT**

(NOVEMBER 2019)



**DEFF VERWYSING (8 NUWE FVs): SAL NOG DEUR DEPARTEMENT VERSKAF WORD**  
**DEFF VERWYSING (2 FV OMGEWINGS GOEDKEURINGS VERANDERINGE): 14/12/16/3/3/2/880 & 14/12/16/3/3/2/881**

**WAT BEOOG DIE DOKUMENT OM U TE VERTEL?**

Die dokument poog om u as Geïnteresseerde en Geïmpakteerde Individue of Groep (G&GI) met agtergrond inligting te verskaf aangaande die voorgestelde ontwikkeling van agt (8) Fotovoltaiese (FV) projekte en wysiging van die omgewings goedkeurings van twee (2) FV ontwikkelinge deur ACWA Power Green Energy Africa (Pty) Ltd ("ACWA Power") op die Bokpoort plaas naby Groblershoop in die Noord Kaap Provinsie.

Die dokument verskaf inligting oor die Basiese Omgewings Assesserings proses (BOA) en substantiewe wysigings proses wat onderneem gaan word. Die dokument verskaf ook advies oor hoe u betrokke kan raak by die projek deur die inligting deur te lees en om kommentaar te lewer. Die basis van die Publieke Deelname proses is om inligting beskikbaar te stel, en daardeur word vir u 'n geleentheid gebied om enige bekommernisse uit te lig of om ander insette te maak. Dit is dus van kardinale belang dat u aktief betrokke raak by die projek en sodoende word plaaslike kennis ook geïntegreer in die BOA.

**EIENDOM BESKRYWING**

Die voorgestelde projek gebied is geleë op die noord-oostelike gedeelte van die Bokpoort 390 plaas waarvan ACWA Power die eienaar is. Die plaas is geleë 20km noord-wes van die dorp Groblershoop binne die !Kheis plaaslike Munisipaliteit in die ZF Mgqawu Distrik Munisipaliteit, Noord Kaap provinsie. Verwys asseblief na die kaart in Figuur 2.

**PROJEK BESKRYWING**

**8 Nuwe FV ontwikkelinge:**

Op 21 Oktober 2016 het die Departement van Omgewingsake, Bosbou en Visserye (DEFF) 'n 900 hektaar 150MW Gekonsentreerde Son Krag (GSK) Ontwikkeling goedgekeur – verwysing Ref 14/12/16/3/3/2/879. As gevolg van die veranderinge aan die Geïntegreerde Hulpbron Plan wat gepubliseer is in Oktober 2019, beoog ACWA Power om nou die goedgekeurde GSK te vervang met 8 nuwe FV ontwikkelinge. Die opgedateerde uitleg was gewysig om vir die agt (8) nuwe FV ontwikkelinge van 75MW elk voorsiening te maak wat 'n totale gebied van 1200 hektaar beslaan (dus 150 hektaar elk) op die restant van die Bokpoort 390 plaas. Aangesien die FV 1 en FV 2 ontwikkelinge ook op die Bokpoort plaas goedgekeur is, sal die gebiede van die twee goedgekeurde FV ontwikkelinge 'n wysiging ondergaan om voorsiening te maak vir die agt nuwe FV ontwikkelinge asook gepaardgaande infrastruktuur (verwys asb na onderstaande paragraaf vir meer inligting in die verband).

Elkeen van die FV ontwikkelinge sal oor die volgende infrastruktuur beskik:

- Son opwekker wat uit monokristaliese FV modules bestaan en wat elk 75MW se elektrisiteit kan lewer aan die Eskom nasionale netwerk;
- Omskakeler wat direkte stroom vanaf die FV modules omskakel na wissel stroom;
- Enkel direksionele-as (oos/wes) wat die son volg om opwekking te optimaliseer;
- 'n Transformator wat die stelsel se alternatiewe lae stroom tot medium stroom verhoog; en
- Instrumentasie en Kontroles wat uit hardeware en sagteware bestaan om sodoende die FV stasie vanaf 'n afgeleë posisie te beheer.

Gepaardgaande infrastruktuur sluit die volgende in: stukture waarop die FV panele gemonteer word, ondergrondse kables tussen die modules, 'n nuwe 132kV oorhoofse kraglyn (met 'n servituut van 15.5m aan beide kante van die lyn met torings wat 35m hoog is) wat die FV krag stasie met die Garona Substasie en Eskom nasionale netwerk verbind en verskeie lithium-ion battery stoor sisteme. Die hoof water pyplyn konneksie met die Oranje Rivier was voorheen goedgekeur, maar daar sal binne die Bokpoort plaas verskeie kleiner water pyplyne na elke FV ontwikkeling toe wees. Daar is ook interne toegangspaaie (4 - 6m wyd) maar bestaande paaie sal so veel as moontlik gebruik word. Die plaas

sal met 'n heining (3m hoog) omhein word en gepaardgaande geboue sal 'n werkwinkel vir hestelwerk, die stoor van brandstof en kantore insluit.

Die agt nuwe FV ontwikkelinge sal die volgende name hê: FV 3 - *Venda*, FV 4 - *Pedi*, FV 5 - *Afrikaans*, FV 6 - *Sotho*, FV 7 - *Swati*, FV 8 - *Zulu*, FV 9 - *Tsonga* and FV 10 – *Tswana*. Elke nuwe FV ontwikkeling sal sy eie omgewings goedkeurings ondergaan en elkeen sy eie verwysings nommer hê.



**Figuur 1: Lesedi Son Park naby Postmasburg in die Noord Kaap Provinsie. Hierdie Son Park Ontwikkeling is 'n voorbeeld van 'n FV Son Krag Stasie<sup>1</sup>**

**Substantiewe Wysiging van twee (2) voorheen goedgekeurde FV ontwikkelinge:**

Twee (2) x 250 hektaar 75MW FV stasies wat gepaardgaande infrastruktuur insluit (Verwysing 14/12/16/3/3/2/880 en 14/12/16/3/3/2/881), was ook deur die DEFF op 24 Oktober 2016 goedgekeur. Een van die Omgewings Goedkeurings kondisies was dat 'n kopie van die finale ontwikkelings uitleg plan vir kommentaar aan G&G partye beskikbaar gestel moet word en daarna aan die Departement ingehandig word vir goedkeuring voordat konstruksie begin. Gesamentlik met die finale uitleg plan, sal die twee FV stasies n substantiewe wysigings proses ondergaan waar die volgende veranderinge gemaak gaan word:

- Naam Verandering – FV 1 en FV 2 na ondeskeidelik *Ndebele en Xhosa*;
- Opedateerde koördinate vir elke FV stasie;
- 'n Assessering van die Lithuim-Ion Battery impakte – aansoek was voorheen vir die aktiwiteit gedoen maar dit was nie goedgekeur nie;
- 'n Vermindering van die ontwikkelingsgebied van 250 hektaar na 150 hektaar; en
- Opedateerde tegniese beskrywing.

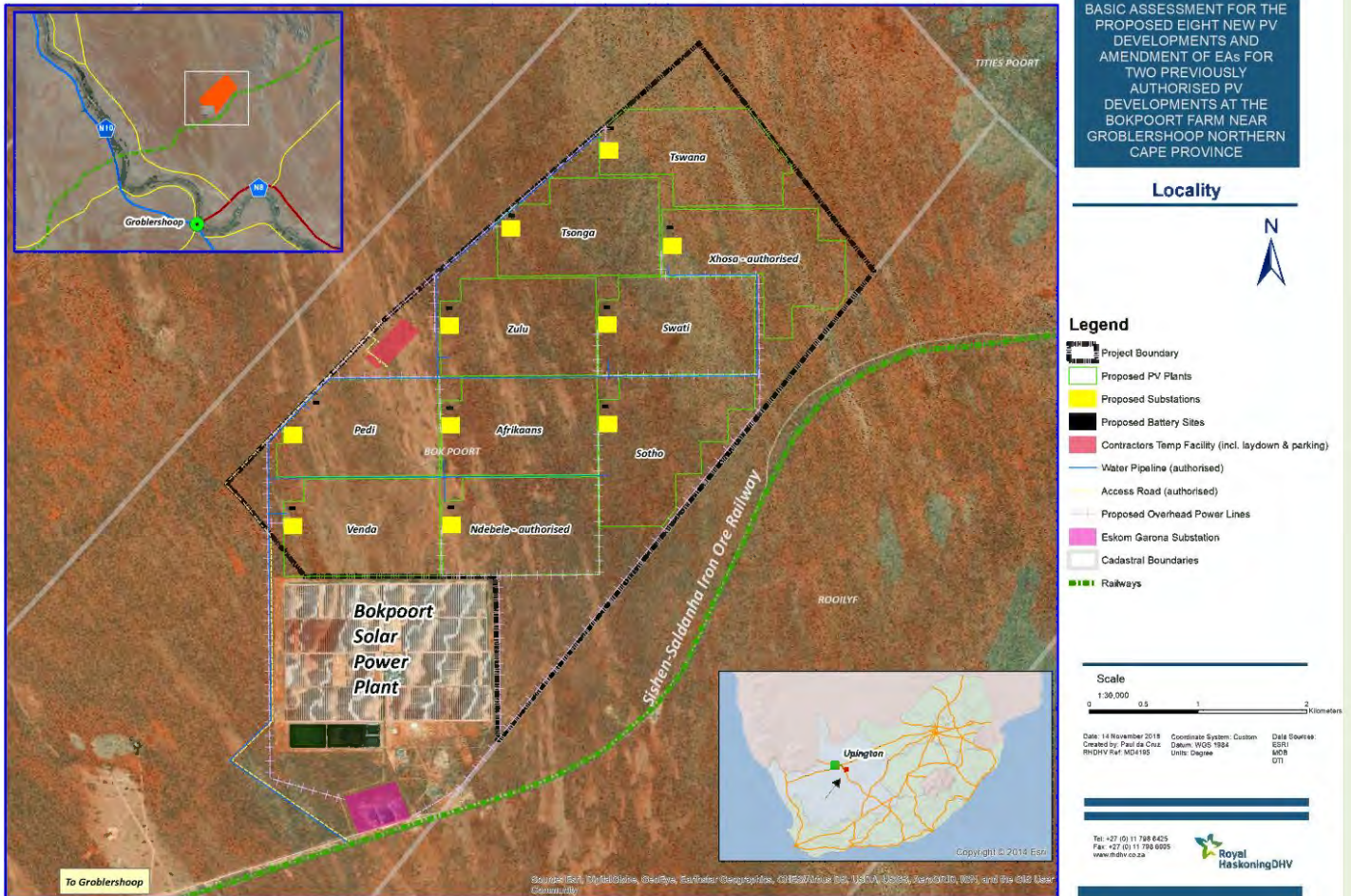
**WAT IS DIE POTENSIELE OMGEWINGS-IMPakte WAT MET DIE VOORGESTELDE PROJEK VEREENSELWIG WORD?**

'n Paar potensiele omgewings-impakte word vereenselwig met die projek. Verskeie spesialis studies was onderneem gedurende die vorige Omgewings-Impak Assesserings-Proses vir die GSK en twee FV ontwikkelinge, insluitende die Bokpoort 1 ontwikkeling. Die studies sal opgedateer word gebaseer op die nuwe uitleg en tegnologie (FV in plaas van GSK).

SPESIALIS STUDIE (INSLUITENDE DIE OPDATERING EN RESENSIE VAN DIE VORIGE SPESIALIS STUDIES)	ORGANISASIE
Ekologie	Bathusi Omgewings Konsultante
Vars Water	Scientific Aquatic Services
Oppervlak en Grond Water	GCS
Vöel lewe en Vlermuise	Arcus Consulting Services
Vleilande	Royal HaskoningDHV
Grond en Landbou Potensiaal	Johann Lanz (privaat)
Erfenis	Johnny van Schalkwyk (privaat)

<sup>1</sup> <https://mybroadband.co.za/news/wp-content/uploads/2015/02/Lesedi.jpg>

<b>SPESIALIS STUDIE (INSLUITENDE DIE OPDATERING EN RESENSIE VAN DIE VORIGE SPESIALIS STUDIES)</b>	<b>ORGANISASIE</b>
Palaeontologie	Natura Viva
Lug Kwaliteit	WSP
Sosiaal	Royal HaskoningDHV
Verkeer	Royal HaskoningDHV
Visueel	Royal HaskoningDHV



Figuur 2: Liggings Kaart

### HOEKOM IS 'n OMGEWINGS STUDIE NODIG?

In terme van die Omgewings Impak Assesserings (OIA) Regulasies [Staats Kennisgewing Regulasie (SKR) 324 – 327, wat gepubliseer is in terme van Artikel 24(5), lees gesamentlik met Artikel 44 van die Nasionale Omgewings Bestuur Wet (Wet 107 van 1998)], moet ACWA Power aansoek by die DEFF doen vir 'n Omgewings Goedkeuring vir elke FV stasie aangesien dit gelyste aktiwiteite onder Kennisgewing van Notering 1-3 van die OIA Regulasies 2014 (soos gewysig in 2017) bevat.

Die volgende aktiwiteite van Kennisgewing van Notering 1, 2 en 3 is ter sake:

Kennisgewing van Notering	Aktiwiteit nommer	Beskrywing en Toepaslikheid
1 (SKR 327)	11	Die ontwikkeling van fasiliteite of infrastruktuur vir die transmissie en verspreiding van elektrisiteit buite 'n stedelike gebied of industriële kompleks met 'n kapasiteit van meer as 33kV maar minder as 275kV. <i>Die aktiwiteit is toepaslik vir die 132 kraglyn vanaf elke FV ontwikkeling.</i>
	12	Die ontwikkeling van infrastruktuur of strukture met 'n gebied van 100m <sup>2</sup> of meer binne 'n waterloop of as geen ontwikkeling terugslag bestaan, binne 32m vanaf 'n waterloop, soos gemeet van die buitekant van die waterloop <i>Die aktiwiteit sal deur die spesialis bevestig word.</i>



Kennisgewing van Notering	Aktiwiteit nommer	Beskrywing en Toepaslikheid
	14	Die ontwikkeling en gepaardgaande operasie van fasiliteite of infrastruktuur vir die berging of storing en hantering van gevaarlike bestandele, waar die berging en storing binne 'n houer met 'n gekombineerde kapasiteit van 80m <sup>3</sup> of meer maar nie 500m <sup>3</sup> oorskrei nie. <i>Elke FV ontwikkeling sal sy eie lithium-ion battery stoor gebied hê met 'n volume kapasiteit van 80 tot 500m<sup>3</sup>.</i>
	19	Die vulling of deponering van enige materiaal van meer as 10m <sup>3</sup> in, of baggerwerk, uitgraving, verwydering or verskuiwing van grond, sand, skulpe of rots van meer as 10m <sup>3</sup> van 'n waterloop. <i>Konstruksie van infrastruktuur binne in 'n waterloop wat die vulling, deponering of verwydering van materiaal van meer as 10<sup>3</sup> vanuit 'n waterloop/stroom behels. Die aktiwiteit sal nog bepaal word deur 'n spesialis.</i>
	28	Residensiële, gemengde, kleinhandel, kommersiële en industriële of institusionele ontwikkelinge op grond wat voorheen as landbou op of voor 1 April 1998 gebruik was en waar so 'n ontwikkeling buite die stedelike gebied plaasvind, en waar die gebied wat ontwikkel word groter as 1 hekaar is. <i>Die ontwikkeling van die sonkrag fasiliteit sal die transformasie van 1200 hektaar landbou grond behels. Die Bokpoort plaas is ook buite die stedelike gebied geleë.</i>
<b>2 (SKR 325)</b>	1	Die ontwikkeling van fasiliteite of infrastruktuur vir die opwekking van elektrisiteit van 'n hernubare hulpbron waar die kraglewering 20MW of meer is. <i>Die elektrisiteit opwekkings kapasiteit is 75MW vir elke FV ontwikkeling.</i>
	4	Die ontwikkeling en gepaardgaande operasie van fasiliteite of infrastruktuur vir die berging of storing en hantering van gevaarlike bestandele, waar die berging en storing binne 'n houer met 'n gekombineerde kapasiteit van 500m <sup>3</sup> of meer is. <i>Elke FV stasie sal sy eie lithium-ion battery stoor gebied hê met 'n volume kapasiteit van 500m<sup>3</sup> of meer. Die presiese kapasiteit sal nog met die tegniese span bevestig word.</i>
	15	Die verwydering van 'n gebied van 20 hektaar se inheemse plantegroei. <i>Die konstruksie van die voorgestelde FV stasie sal die verwydering van 150 hektaar per FV ontwikkeling behels.</i>
<b>3 (SKR 324)</b>	4	Die ontwikkeling van 'n pad wyer as 4m met 'n reserwe minder as 13.5m in die Noord Kaap – binne kritiese biodiversiteit gebiede soos bepaal deur die biodiversiteit planne wat deur die bevoegde owerheid of bioregionale planne aangeneem is. <i>Interne toegangspaaie (4-6m wyd). Sal bepaal word deur die biodiversiteit spesialis.</i>
	10	Die ontwikkeling en gepaardgaande operasie van fasiliteite of infrastruktuur vir die berging of storing en hantering van gevaarlike bestandele, waar die berging en storing binne 'n houer met 'n gekombineerde kapasiteit van 30m <sup>3</sup> of meer maar nie 80m <sup>3</sup> oorskrei nie in die Noord Kaap binne kritiese biodiversiteit gebiede soos bepaal deur die biodiversiteit planne wat deur die bevoegde owerheid of bioregionale planne aangeneem is. <i>Sal nog deur die biodiversiteit en vleiland spesialis studies bepaal word.</i>
	12	Die verwydering van 300m <sup>2</sup> van inheemse plantegroei, uitsluitend waar die verwydering van inheemse plantegroei nodig is vir instandhoudings doeleindes volgens 'n goedgekeurde instandhouding bestuursplan. <i>Sal nog deur die biodiversiteit en vleiland spesialis studies bepaal word.</i>
	14	Die ontwikkeling van infrastruktuur of strukture met 'n fisiese gebied van 10m <sup>2</sup> of meer, waar so 'n ontwikkeling binne 'n waterloop/stroom plaasvind, of binne 32m van so 'n waterloop/stroom soos gemeet van die grens van die waterloop - in die Noord Kaap binne-kern gedeeltes in biosfeer reserwate. <i>Sal nog deur die biodiversiteit spesialis studie bepaal word.</i>

Aangesien die projek in 'n Hernubare Energie Ontwikkelings Sone (SKR113 gedateer 16 Februarie 2018) gaan plaasvind, en in lig van die feit dat Aktiwiteit 1 (SKR 2) van die OIA Regulasies 2014 (soos gewysig in 2017) van toepassing is, sal 'n Basiese Omgewings Asseserings proses soos vereis deur Regulasie 19 en 20 van die OIA Regulasies 2014 (soos gewysig in 2017) gevolg word, om sodoende 'n omgewings goedkeuring van DEFF te verkry.

'n Basiese Omgewings Assesering is 'n effektiewe beplanning en besluitnemings hulpmiddel, wat die potensiele omgewings impakte van 'n voorgestelde ontwikkeling bepaal, en dit word bestuur die beplannings proses.

ACWA Power het Royal HaskoningDHV aangestel as 'n onafhanklike Omgewings Asseserings Praktisyn (OAP) om konsultasie dienste in die verband te verskaf. As deel van die omgewings studies, sal alle Geïnteresseerde en Geïmpakteerde Individue of Groepe (G&GI) aktief betrek word gedurende die publieke deelname proses.

## PUBLIEKE DEELNAME PROSES

Dit is belangrik dat alle relevante G&GI geïdentifiseer word en betrokke raak vanaf die begin van die projek. Om effektiewe publieke deelname te verseker, sluit die proses die volgende stappe in:

- **Stap 1:** Skep bewustheid & kennisgewing oor die projek deur sirkulasie van 'n Agtergrond Inligtings Dokument, advertensie, en terrein kennisgewing.
- **Stap 2:** Registreer G&GI en belanghebbende partye op die databasis gedurende die proses.
- **Stap 3:** Raadpleeg met en versprei inligting deur konsultasie met belanghebbende partye.
- **Stap 4:** Nooi G&GI uit om op die konsultasie Basiese Asseserings Verslag kommentaar te lewer (binne 30 dae).
- **Stap 5:** Noteer alle kommentaar en bekommernisse wat deur G&GI uitgelig word wat dan 'n integrale deel van die Basiese Asseserings Verslag sal vorm.

## HOE KAN U BETROKKE RAAK?

As u 'n Geïnteresseerde en Geïmpakteerde individue is op die projek, raai ons u vriendelik aan om betrokke te raak deur die volgende te doen:

- Die publieke vergadering (wat op 'n toekomstige datum wat nog vasgestel gaan word) by te woon;
- Deur te reageer op ons uitnodiging om deel te neem aan die publieke deelname proses (deur middel van e-pos, telefoon of pos);
- Om die aangehegte kommentaar vorm te voltooi en om dit terug te pos aan **Seshni Govender** (kontak besonderhede verskaf hieronder);
- Om skriftelik die konsultant te kontak indien u enige navraag, kommentaar of verder projek inligting nodig het; of
- Deur die konsultasie Basiese Asseserings Verslag binne die 30 dae kommentaar periode en die Water Goedkeurings Aansoek binne die geregleerde 60 dae kommentaar periode deur te lees.

U deelname in die OIA proses vorm 'n baie belangrike deel van die proses en ons sal graag soos bo genoem, u insette wil ontvang. Deur die onderstaande kommentaar vorm in te vul, sal u outomaties geregistreer word as 'n G&GI vir die projek, en sal u sodoende verseker dat u kommentaar, bekommernisse en/of navrae oor die projek gedokumenteer word.

## KOMMENTAAR EN NAVRAE OOR DIE PROJEK KAN GERIG WORD AAN:

Seshni Govender	Royal HaskoningDHV Posbus 867, Gallo Manor, 2052		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
	Tel	087 352 1592	
	Epos	Seshni.govender@rhdhv.com	

**BASIESE OMGEWINGS ASSESSERINGS (BOA) PROSES VIR DIE VOORGESTELDE ONTWIKKELING VAN AGT  
(8) FOTOVOLTAIESE PROJEKTE EN WYSIGING VAN DIE OMGEWINGS GOEDKEURINGS VAN TWEE (2)  
FOTOVOLTAIESE (FV) ONTWIKKELINGE OP DIE BOKPOORT PLAAS NABY GROBLERSHOOP IN DIE NOORD  
KAAP PROVINSIE**


**KOMMENTAAR VORM**

(NOVEMBER 2019)

**DEFF VERWYSING (8 NUWE FVs): SAL DEUR DEPARTEMENT VERSKAF WORD  
DEFF VERWYSING (2 FV OMGEWINGS GOEDKEURINGS VERANDERINGE): 14/12/16/3/3/2/880 &  
14/12/16/3/3/2/881**

***U KOMMENTAAR EN NAVRAE WORD BAIE WAARDEER***

Vul asb die Kommentaar Vorm **volledig** in en stuur terug aan:

<b>Seshni Govender</b>	Royal HaskoningDHV		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
	Posbus 867, Gallo Manor, 2052, Johannesburg		
Tel	087 352 1592		
Fax	011 798 6005		
<b>Royal HaskoningDHV</b>	Email	<a href="mailto:seshni.govender@rhdhv.com">seshni.govender@rhdhv.com</a>	

<b>Titel</b> (Prof/Mnr/Mev)		<b>Naam</b>	
<b>Van</b>			
<b>Kapasiteit</b> (e.g. Sekretaresse / Direkteur)			
<b>Organisasie</b>		<b>Poskode</b>	
<b>Posadres</b>		<b>Sel No.</b>	
<b>Tel No.</b> ( )		<b>Epos adres</b>	
<b>Faks No.</b> ( )			

Kommentaar / bekommernisse wat u wil uitlig aangaande die voorgestelde ontwikkeling (gebruik asseblief ekstra bladsye indien nodig):

.....

.....

.....

REGISTREER ASSEBLIEF DIE VOLGENDE PERSONE OP DIE PROJEK DATABASIS:

<b>Titel</b> (Prof/Mnr/Mev)		<b>Naam</b>	
<b>Van</b>			
<b>Kapasiteit</b> (e.g. Sekretaresse / Direkteur)			
<b>Organisasie</b>		<b>Poskode</b>	
<b>Posadres</b>		<b>Sel No.</b>	
<b>Tel No.</b> ( )		<b>Epos Adres</b>	
<b>Faks No.</b> ( )			
<b>Hantekening</b>			

**AS U NIE VERDERE INLIGTING OOR DIE PROJEK WIL ONTVANG NIE, EN GRAAG VAN DIE DATABASIS VERWYDER WIL WORD, MERK ASB. DIE ONDERSTAANDE SPASIE MET N "X" EN STUUR DIE VORM TERUG AAN DIE PUBLIEKE DEELNAME KONSULTANT (KONTAK BESONDERHEDE VERSKAF HIERBO)**

**JA, VERWYDER MY NAAM**

**BASIC ASSESSMENT FOR THE PROPOSED EIGHT NEW PHOTOVOLTAIC (PV) DEVELOPMENTS AND AMENDMENT OF ENVIRONMENTAL AUTHORISATIONS FOR TWO PREVIOUSLY AUTHORISED PV DEVELOPMENTS AT THE BOKPOORT FARM NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE**

**BACKGROUND INFORMATION DOCUMENT**

(NOVEMBER 2019)



DEFF REF (8 NEW PVs): TBC

DEFF REF (2 PV EA AMENDMENTS): 14/12/16/3/3/2/880 & 14/12/16/3/3/2/881

**WHAT DOES THIS DOCUMENT TELL YOU?**

This document aims to inform you as an Interested and Affected Party (I&AP), with background information regarding the development of eight (8) Photovoltaic (PV) plants at the Bokpoort Farm near Groblershoop, Northern Cape Province, being undertaken by ACWA Power Green Energy Africa (Pty) Ltd (ACWA Power).

The document also provides information regarding the Basic Assessment (BA) and Substantive Amendment processes to be undertaken. The document advises you on how you can become involved in the project – by reviewing information, and making inputs thereon, including raising any possible issues and concerns. This sharing of information forms the basis of the Public Participation Process (PPP) and offers you the opportunity to become actively involved in the project from the outset.

**PROPERTY DESCRIPTION**

The proposed project area is located on the north-eastern portion of the Farm Bokpoort 390 Remaining Extent (Landowner: ACWA Power Solafrica Bokpoort CSP Power Plant Pty Ltd) 20km north-west of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province. Refer to the Locality Map - Figure 2.

**PROJECT DESCRIPTION**

**Eight New PV Plants:**

On 21 October 2016, a 900ha, 150MW Concentrated Solar Power (CSP) plant was authorised by DEFF (then Department of Environmental Affairs) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan published in October 2019, ACWA Power intend replacing the authorised CSP site with 8 new PV plants. The updated layout has been revised to incorporate the 8 new PV plants of 75MW each, covering a total of 1200ha (i.e. 150ha for each plant) on Remaining Extent of the Farm Bokpoort 390. As the PV 1 and PV 2 plants are also approved on the Farm Bokpoort 390, the footprints of these approved PV plants will undergo an amendment to accommodate the 8 new PV plants and ancillary infrastructure (see below for more detail).

Each of the PV plants will consist of the following infrastructure:

- Solar generator comprised of monocrystalline PV modules that will be able to deliver up to 75MW to the Eskom National Grid;
- Inverters that convert direct current generated by the PV modules into alternating current (AC) to be exported to the electrical grid;
- Single-axis trackers (East/West) to maximize the generation;
- A transformer that raises the system AC low voltage (LV) to medium voltage (MV). The transformer converts the voltage of the electricity generated by the PV panels to the correct voltage for delivery to Eskom and transformer substation; and
- Instrumentation and Control consisting of hardware and software for remote plant monitoring and operation of the facility.

Associated infrastructure includes: mounting structures to support the PV panels; cabling between the structures, to be laid underground where practical; a new 132kV overhead powerline (servitude spanning 15.5m meters on both sides with towers that will be 35m high) which will connect the facility to the National Grid via Eskom's existing Garona Substation; lithium-ion battery energy storage system (BESS); One water pipeline connection from the river (*previously authorised*) and different metering points at individual PV plants; internal access roads (4 – 6m wide roads will be constructed but existing roads will be used as far as possible) and fencing (approximately 3m in height); associated buildings including a workshop area for maintenance, storage (i.e. fuel tanks, etc.) and offices to be shared between the plants.

The new PV plants will be identified by the following names: PV 3 - *Venda*, PV 4 - *Pedi*, PV 5 - *Afrikaans*, PV 6 - *Sotho*, PV 7 - *Swati*, PV 8 - *Zulu*, PV 9 - *Tsonga* and PV 10 – *Tswana*. Each new PV plant development will undergo its own application for authorisation and have its own reference number.



**Figure 1: Lesedi Solar Park near Postmasburg in the Northern Cape. This solar park is an example of a PV Solar Power Plant<sup>1</sup>**

**Substantive Amendment of 2 previously authorised PV Plants:**

Two 250ha 75MW PV plants including ancillary infrastructure (Ref 14/12/16/3/3/2/880 and 14/12/16/3/3/2/881), were also authorised by the DEFF on 24 October 2016. One of the conditions for the respective Environmental Authorisations was that a copy of the final development layout map must be made available for comments by registered I&APs and approved by the Department prior to the commencement of the activity. In addition to the final layout map, the two PV plants will undergo a Substantive Amendment process with the following key amendments:

- Name changes – PV 1 and PV 2 to *Ndebele* and *Xhosa* respectively;
- Updated co-ordinates of each PV plant;
- Assessment of the impacts related to the lithium-ion BESS – activity applied for but not authorised;
- Reduction in development footprint from 250ha to 150ha; and
- Updated technical description.

**WHAT THE POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROPOSED PROJECT?**

A number of potential environmental impacts associated with the project have been identified. Various specialist assessments have been conducted for the previous applications for EAs (CSP and PVs) including the Bokpoort I development and will be revised and updated based on the new layouts and technology i.e. PV instead of CSP.

Specialist Study (including update and review of previous assessments)	Organisation
Ecology	Bathusi Environmental Consultants
Freshwater	Scientific Aquatic Services
Surface- and Groundwater	GCS
Avifauna & Bats	Arcus Consulting Services
Wetlands	Royal HaskoningDHV
Soils and Agricultural Potential	Johann Lanz (private)
Heritage	Johnny van Schalkwyk (private)
Palaeontology	Natura Viva
Air Quality	WSP
Social	Royal HaskoningDHV
Traffic	Royal HaskoningDHV
Visual	Royal HaskoningDHV

<sup>1</sup> <https://mybroadband.co.za/news/wp-content/uploads/2015/02/Lesedi.jpg>

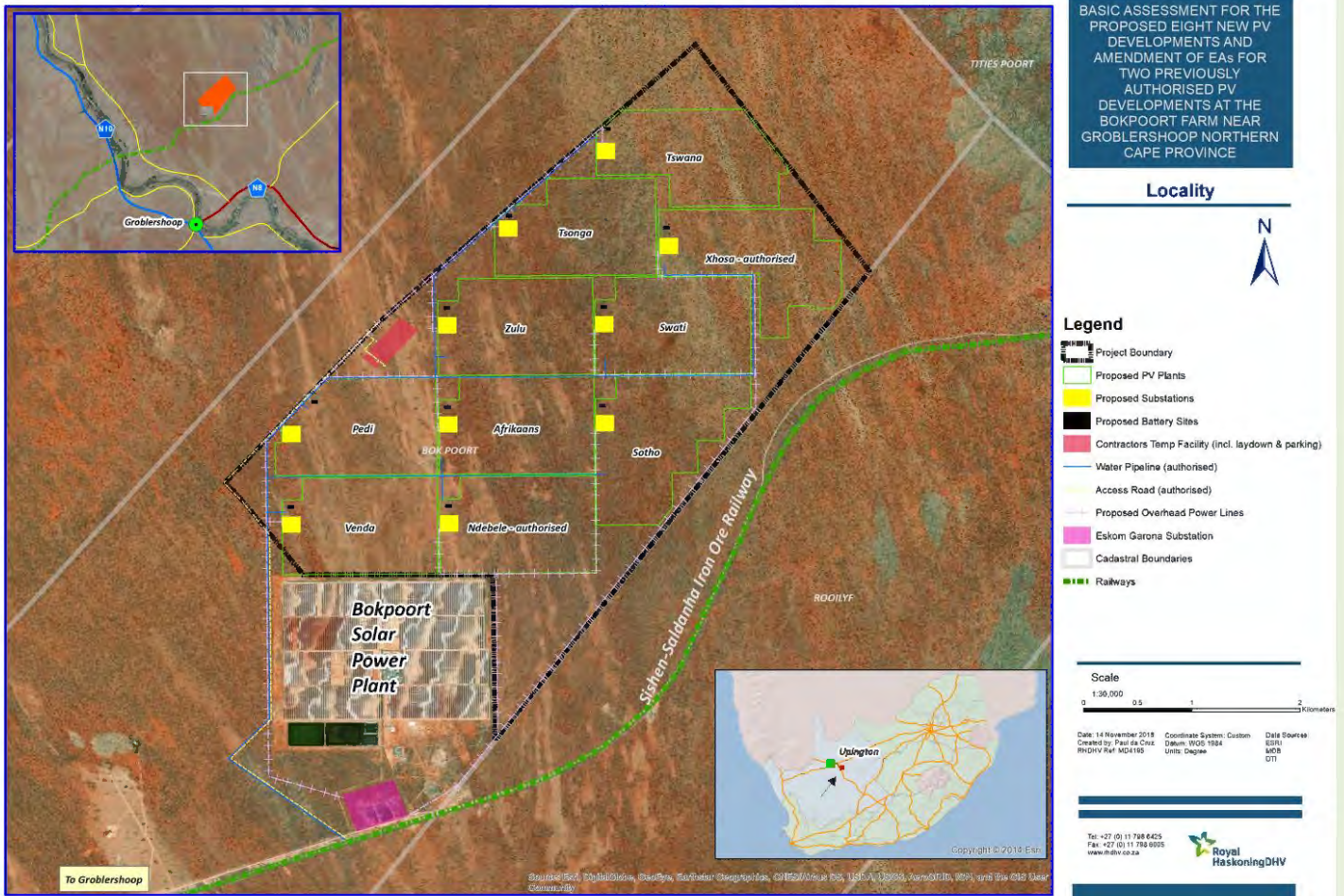


Figure 2: Locality map

### WHY ARE ENVIRONMENTAL STUDIES NEEDED?

In terms of the Environmental Impact Assessment (EIA) Regulations Government Notice Regulation (GNR) 324 – 327, published in terms of Section 24(5), and read with Section 44, of the National Environmental Management Act (NEMA) (Act No. 107 of 1998), ACWA Power requires an Environmental Authorisation per PV plant from the DEFF for undertaking the proposed project as it includes activities listed under Listing Notices 1 - 3 of the EIA Regulations 2014 (as amended in 2017).

The following activities of Listing Notice 1, 2 and 3 are triggered:

Listing Notice	Activity Number	Description and Applicability
1 (GNR 327)	11	The development of facilities or infrastructure for the transmission and distribution of electricity outside urban areas or industrial complexes with a capacity of more than 33 but less than 275kV. <i>Applicable to the construction of the overhead 132kV powerline that will connect each of the PV plants to the National Grid via Eskom's existing Garona Substation.</i>
	12	The development of infrastructure or structures with a physical footprint of 100m <sup>2</sup> or more; where such development occurs – within a watercourse or if no development setback exists, within 32m of a watercourse, measured from the edge of a watercourse. <i>To be confirmed by the wetland specialist assessment.</i>
	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> . <i>Each PV plant will have its own lithium-ion BESS with a combined capacity not exceeding 500m<sup>3</sup>.</i>
	19	The infilling or depositing of any material of more than 10m <sup>3</sup> into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10m <sup>3</sup> from a watercourse. <i>To be confirmed by the wetland specialist assessment.</i>
	28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture on or after 01 April 1998 and where such development will occur outside an urban area, where the total land to be developed is bigger than 1ha. <i>The development of the solar facility will involve the development of 1200ha of agricultural land. The</i>

Listing Notice	Activity Number	Description and Applicability
		<i>project site is located outside an urban area.</i>
2 (GNR 325)	1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20MW or more. <i>The electricity generation capacity of each of the PV plants will be 75MW.</i>
	4	The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500m <sup>3</sup> . <i>Each PV plant will have its own lithium-ion BESS with a combined capacity exceeding 500m<sup>3</sup>.</i>
	15	The clearance of an area of 20ha or more of indigenous vegetation. <i>The construction of the proposed PV plant will require the clearance of 150ha of indigenous vegetation per plant.</i>
3 (GNR 324)	4	The development of a road wider than 4m with a reserve less than 13.5m. In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>Internal access roads (4 – 6m wide roads will be constructed but existing roads will be used as far as possible). To be confirmed by the ecological assessment.</i>
	10	The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80m <sup>3</sup> . In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>To be confirmed by the ecological assessment.</i>
	12	The clearance of an area of 300m <sup>2</sup> or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. <i>To be confirmed by the ecological and wetland assessments.</i>
	14	The development of infrastructure or structures with a physical footprint of 10m <sup>2</sup> or more; where such development occurs within a watercourse or within 32m of a watercourse, measured from the edge of a watercourse. In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>To be confirmed by the ecological assessment.</i>

Since the project will take place in a Renewable Energy Development Zone (GNR113 of 16 February 2018) and Activity 1 (Listing Notice 2) of the EIA Regulations 2014 (as amended in 2017) is triggered, a BA procedure as contemplated in Regulation 19 and 20 of the EIA Regulations 2014 (as amended in 2017), must be followed in order to obtain environmental authorisation.

A BA is an effective planning and decision-making tool, which allows for the identification of potential environmental consequences of a proposed project, and its management through the planning process.

ACWA Power on behalf has appointed Royal HaskoningDHV to provide independent Environmental Assessment Practitioner (EAP) services for the proposed project. As part of these environmental studies, all I&APs will be actively involved through a public participation process (PPP).

#### PUBLIC PARTICIPATION PROCESS

It is important that relevant I&APs are identified and involved in the PPP from the outset of the project. To ensure effective public participation, the process includes the following steps:

**Step 1** Create awareness & notification – adverts, BIDs, site notices

**Step 2** Register I&APs & stakeholders on the database (on-going)

**Step 3** Consultation with & transfer of information through consultation and stakeholder engagement

**Step 4** Invite I&AP to review & comment on the consultation BA report (30 day comment period)

**Step 5** Record all comments, issues & concerns raised by I&APs within an issues trail, which will form an integral part of the BAR

### HOW CAN YOU GET INVOLVED?

If you consider yourself an I&AP for this proposed project, we urge you to become involved.

- By responding (by phone or e-mail) to our invitation for your involvement in the process;
- By completing the attached comment form and mailing or faxing it to Seshni Govender at Royal HaskoningDHV;
- In writing, contacting the EAP if you have a query, comment or require further project information; and
- By reviewing and commenting on the consultation Basic Assessment Report (BAR) within the allowed 30-day review period.

Your input into this process forms a key part of the environmental study and we would like to hear from you to obtain your views on the proposed project.

By completing and submitting the accompanying response form, you automatically register yourself as an I&AP for this project, and ensure that your comments, concerns and/ or queries raised regarding the project will be noted.

### COMMENTS AND QUERIES ON THE PROJECT CAN BE DIRECTED TO

<b>Seshni Govender</b>	Royal HaskoningDHV PO Box 867, Gallo Manor, 2052		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
	Tel	087 352 1592	
	Email	Seshni.govender@rhdhv.com	



**BASIC ASSESSMENT FOR THE PROPOSED EIGHT NEW PHOTOVOLTAIC (PV) DEVELOPMENTS AND AMENDMENT OF ENVIRONMENTAL AUTHORISATIONS FOR TWO PREVIOUSLY AUTHORISED PV DEVELOPMENTS AT THE BOKPOORT FARM NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE  
COMMENTS AND REGISTRATION FORM**

(NOVEMBER 2019)

DEFF REF (8 NEW PVs): TBC

DEFF REF (2 PV EA AMENDMENTS): 14/12/16/3/3/2/880 & 14/12/16/3/3/2/881

**YOUR COMMENTS AND QUERIES ARE WELCOME**

Please **complete** this Comment Form **in full** and return to:

<b>Seshni Govender</b>	Royal HaskoningDHV		
	PO Box 867, Gallo Manor, 2052, Johannesburg		
Tel	087 352 1592		
<b>Royal HaskoningDHV</b>	Fax	011 798 6005	
	Email	<a href="mailto:seshni.govender@rhdhv.com">seshni.govender@rhdhv.com</a>	

<b>Title</b> (Prof/Mr/Mrs)		<b>First name</b>	
<b>Surname</b>			
<b>Capacity</b> (e.g. Secretary / Director)			
<b>Organisation</b>			
<b>Postal address</b>		<b>Postal code</b>	
<b>Tel No.</b> ( )		<b>Cell No.</b>	
<b>Fax No.</b> ( )		<b>Email address</b>	

What comments / concerns would you like to raise regarding this proposed project? (Please use additional pages, if required)

.....

.....

.....

PLEASE REGISTER THE FOLLOWING PERSON(S) ON THE PROJECT DATABASE:

<b>Title</b> (Prof/Mr/Mrs)		<b>First name</b>	
<b>Surname</b>			
<b>Capacity</b> (e.g. Secretary / Director)			
<b>Organisation</b>			
<b>Postal address</b>		<b>Postal code</b>	
<b>Tel No.</b> ( )		<b>Cell No.</b>	
<b>Fax No.</b> ( )		<b>Email address</b>	
<b>Signature</b>			

IF YOU PREFER NOT TO RECEIVE ANY FURTHER INFORMATION REGARDING THIS PROPOSED PROJECT, AND, WOULD PREFER TO BE REMOVED FROM THE PROJECT DATABASE, PLEASE TICK THE BOX BELOW AND RETURN THE FORM TO THE PUBLIC PARTICIPATION CONSULTANTS (CONTACT DETAILS AS PROVIDED ABOVE).

Yes, remove my name
---------------------

Project related

## **Appendix D: Proof of Advert**

## GEKLASSIFISEERD

### VOLWASSENES

### KLUBS & VERMAAK

**THE CATWALK Stripclub**  
 UNDER NEW MANAGEMENT  
 NEW Dancers  
 Table, lap, touch and Jacuzzi, champagne, cigar, lounge, kitchen  
**CALL: 082 965 5566**  
[www.thecatwalk.co.za](http://www.thecatwalk.co.za)

### PRIVAAT

**Lisa mature** Boere Noot vir al jou stoute bederfies. Kom en het pret saam met my.  
 Skakel 065 273 6584

**Mandy. New in Bloem.** Sensual massages and light discipline on offer.  
 Call 084 716 5155

**Naomi 1,8 tall dark and slim African super model** Bayswater Area  
 Call: 081 814 4012

**BLOEMFONTEIN:**  
 "W" ONE WEEK ONLY  
 CALL: 083 929 7674

**061 171 5908. PEARL** Tall and slim, hot stunner with excellent body and luscious lips to fulfill your fantasies! 24/7, pvt, tvl.

**SPEL EN SPEEL**  
**KOM TOETS JOU SKOOL SE SPELVERNUF!**  
 Volksblad AfriForum

**GROOT pryse vir leerlinge!**  
**Skryf NOU in en WEN!**

**Kompetisie vind plaas op Donderdag 12 Maart by Eduplus Onafhanklike Skool in Boerneefstraat, Langenhovenpark**

**Die kompetisie is oop vir leerlinge in Gr. 4 - 7**

**Afdelings vir leerlinge wat Afrikaans Eerste Taal en Afrikaans Eerste Addisionele taal neem.**

**Inskrywings vir die kompetisie sluit op Vrydag 6 Maart 2020**

**Vir meer inligting en om in te skryf, bel vir Tamsyn Eccles by 051-446 0527 of [ad.eduplus@gmail.com](mailto:ad.eduplus@gmail.com)**

**Standard Bank BMC**  
 #BlackBeast  
 Volksblad NETWERK24

**Hardloop die Extreme wedloop 36 + 10 km,**

**die Avontuurwedloop 21 km**

**of die Big Sky 10 km**

**WEDLOOP**  
**21 MAART 36 KM & 21 KM**  
**22 MAART 10 KM**

**Skryf aanlyn in by [blackmountainchallenge.co.za](http://blackmountainchallenge.co.za)**

**GRATIS SMS-ADVERTENSIES!**  
 Ons nommer is: **36403**  
 NB: Sleutelwoord 'Gratis' moet die advertensie voorafgaan.

**Adverteer GRATIS op Maandae in slegs per SMS.**  
 KOSTE: R1,50 PER SMS

**Enige artikel met 'n waarde minder as R300.**  
**Verskyn slegs Maandae.**  
**Slegs 1 artikel per SMS.**  
**Slegs privaat adverteerders (geen besighede nie).**  
**Geen lewende hawe, betrekkings of verhuurings nie.**  
**Sluit 12:00 op 'n Woensdag vir die volgende Maandag.**

## BETREKKINGS

**The National Museum, Bloemfontein invites applications for the following position:**

**Internship Ornithology Research Assistant Scientist**

The National Museum, Bloemfontein invites applications for an 18 month internship in the Ornithology Department.

Enquires: Tshedji Goliath (HR), tel. 051 447 9609

Note: To view the full job specification, please visit the National Museum website: [www.nasmus.co.za](http://www.nasmus.co.za)

The National Museum is an equal opportunity employer

Closing date: 11 March 2020

Should you not hear from us within 21 days after the closing date, consider your application unsuccessful.

Kone Solutions K31660

**via.**  
 DStv-kanaal 147

**Trap! Dis my huis**

**Massas huismoles VIA 50 vreemde delinge onder een dak**

**Woensdae 20:30** **Vrydae 18:00**

**ANTON MULDER CONSTRUCTION**  
**HOUSE OF REALTORS**  
 GATEWAY TO RESIDENTIAL & COMMERCIAL PROPERTY

## KENNISGEWINGS

**NOTICE OF APPLICATIONS FOR ENVIRONMENTAL AUTHORISATION**

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE IKHEIS LOCAL MUNICIPALITY**

DEFF REF NUMBERS: To be confirmed

Notice is hereby given in terms of the Environmental Impact Assessment (EIA) Regulations, 2014 published in Government Notice Regulation (GNR) 982 to GNR 985 of 2014 (as amended in 2017), in terms of Section 24(5) of the National Environmental Management Act (NEMA) (Act No 107 of 1998) (as amended) of the initiative by ACWA Power Energy Africa (Pty) Ltd (hereafter referred to as ACWA Power), for the proposed development of ten (10) 200MW Photovoltaic (PV) Plants and associated infrastructure.

With respect of the above, the applicant, ACWA Power intends undertaking two (2) Basic Assessment studies as contemplated in the EIA Regulations 2014 (as amended in 2017) for the process of applying for authorisations for the above proposed developments to the Competent Authority, the Department of Environmental Affairs, Forestry and Fisheries (DEFF).

ACWA Power is proposing to construct a solar energy facility consisting of ten (10) photovoltaic (PV) plants on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km north-west of the town of Groblershoop within the Ikheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province. On 21 October 2016, a 150 MW Concentrating Solar Power (CSP) plant on 900 ha was authorised by the Department of Environmental Affairs (DEA) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan (IRP) published in October 2019, ACWA Power intends replacing the authorised CSP site with eight (8) new PV plants. The updated layout has been revised to incorporate 8 new PV plants of 200 MW each, covering a total of 1200 ha (i.e. 150 ha for each plant).

Two (2) 75 MW PV plants including ancillary infrastructure (Ref 14/12/16/3/3/2/880 and 14/12/16/3/3/2/881), were also authorised by the DEFF on 24 October 2016. The intention to replace the CSP with 8 PV plants will result in development footprint changes of the overall project. As such PV 1 (Ndebele) and PV 2 (Xhosa) plants will also undergo a non-substantive amendment to better cater for the overall project development and ancillary infrastructure. A separate Basic Assessment study will also occur concurrently for the increase in capacity of the authorised PV Plants from 75MW to 200MW as well as the addition of a Battery Energy Storage System (BESS).

The following Listed Activities are being applied for as per the EIA Regulations 2014 (as amended in 2017) for the 8 new PV plants:

- Listing Notice 1 - GNR 327 of April 2017: Activities 11 and 28
- Listing Notice 2 - GNR 325 of April 2017: Activity 1, 4 and 15

Non-substantive amendment for the two (2) 75 MW PV plants including ancillary infrastructure (Ref 14/12/16/3/3/2/880 and 14/12/16/3/3/2/881):

- Name changes – PV 1 and PV 2 to Ndebele and Xhosa respectively;
- Updated co-ordinates of each PV plant;
- Reduction in development footprint from 250ha to 150ha; and
- Updated technical description.

The following Listed Activities are being applied for as per the EIA Regulations 2014 (as amended in 2017) for the activities associated with the two (2) already authorised PV plants:

- Listing Notice 2 - GNR 325 of April 2017: Activity 1 and 4.

**PUBLIC PARTICIPATION PROCESS**

The public participation process aims to provide Interested and Affected Parties (I&APs) with information regarding the proposed project and will provide an opportunity to raise any issues or concerns.

As part of the public participation process, you are invited to review the draft Consultation BA Report (cBAR) and make comment on the document. The report will be available for review at the following public places:

- Ikheis Local Municipality – 97 Oranje Street, Groblershoop
- Ikheis Municipality Public Library – 97 Oranje Street, Groblershoop
- Royal HaskoningDHV website: <https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

**Details of the Public Meeting:** • Date: 26 March 2020 • Time: 11:00 - 13:00  
 • Venue: Ikheis Municipal Council Chambers, 97 Oranje Street, Groblershoop

The draft cBAR is now available for review and comment as follows:

- NEMA EIA Regulations (30 days): 06 March 2020 – 06 April 2020

**WHO SHOULD YOU CONTACT?**

The Environmental Team from Royal HaskoningDHV, as independent environmental assessment practitioners, have been appointed to conduct the environmental studies.

I&APs are invited to register by submitting their name, contact information and interest in the project to the environmental consultants. Comments on the draft cBAR can also be sent to the environmental consultants. Contact details are provided below.

**Seshni Govender**  
 Royal HaskoningDHV  
 PO Box 967, Gallo Manor, 2052, Gauteng  
 Tel: 1 087 352 1592  
 E-mail: [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)

**Royal HaskoningDHV**  
 Enhancing Society Together

# Geklassifiseerd



## STERFGEVALLE

**VAN HEERDEN**

Die Troosdiens van Gert Willem in lewe van Bloemfontein vind plaas vanuit die NG Kerk Hospitaalpark op 5 Junie 2020 om 11:00. Die verassing vind privaat plaas. Bywoning beperk tot 50. Skakel vooraf met familie

Bloemfontein 051 447 1011  
SAMBBA kontrakteur vir uitvoering van begrafnisse

**AVBOB**  
We're here for you

**PERSONEELDIENSTE**

**LENINGS**

000-AAA-LENINGS: Soek jy vandag geld? R1 000 tot R250 000 SMS of Whatsapp ID, Skakel SEPIE by 079 773 2069

Oorbruggings-kontant vir Pensioen/Pakkiet afwagendes  
Eiendomme (Enkel bedrag)  
086 110 1388  
076 886 7655

**TE KOOP**

**ALLERLEI**

Ek koop tweedehandse meubels en werkende TV's, yskaaste, vrieskaaste, wasmasjiene, gereedskap, fiets, goud en voertuie. Ek kom na u toe en betaal kontant. Toppryse.  
Marco 083 450 9400

**ALGEMENE & HUISDIENSTE**

**BOUWERK & KONSTRUKSIE**

Algemene Nutsman: Staalwerk, Teëlwerk, Verf, Krane  
083 707 7967

**ELEKTRIS**

1-CALL Appliance Repairs: Probleme met Yskaste, Wasmasjiene, Stowe ens. Herstel binne 24 uur by u huis!  
073 363 9075

**WORD RAAKGESIEN!**

Adverteer in Volksblad-Geklassifiseerd. Beste resultate vir alles wat jy wil verkoop of soek.

## VOERTUIE

**MOTORS TE KOOP**

2013 M/ BENZ C200  
Avantgarde outomaties:  
In nuwe toestand.  
Prys R169 900.  
083 453 0430.

Hyundai i20 1.4 Glide  
102 400 km. Volledige diensrekord. Wit. R129 000  
Skakel 083 3788 379

## EIENDOMME

**SAKEPERSELE**

Industriële gebou te huur. Pakhuis met kantore vir gebruik as werkswinkel of kleinhandel. Geleë in Hilton area. Skakel asb. Dries by 084 504512 vir navrae

## HUISE TE HUUR

Huis te huur op plot 2 Slk, sit-/eetkamer, oopplan kombuis. R5 500. Kontak 060 6319 234 agent. Bly veilig daar.

**MEENTHUISE TE KOOP**

Kwagafontein: R960 000  
3 Slk, 2 bad Meenthuis te koop. Groot tuin met lapa. Direk vanaf eienaar.  
Skakel 072 375 5809

## BETREKKINGS

### ALGEMEEN

**Die ongelooftlike** aanvraag na ons dienste en die groeiende groei verg die uitbreiding van ons onderneming in Bloemfontein. Ons het nou 4 nuwe posisies beskikbaar vir individue wat vinnig groeiende sukses wil beleef en maandeliks 'n potensieël 6-syferinkomste kan verdien.

**E-pos asb. jou CV met 'n sigbare skouer-lengte foto na: marketingassist3@sem.co.za**

Daar word van die suksesvolle kandidate verwag om onmiddellik diens te aanvaar en sal 'n kursus inhuus ontvang. Kandidate moet vlot Engels en Afrikaans kan praat, moet toegang hê tot internet vir "video calling" (Skype, Zoom ens.), moet 'n geldige lisensie hê en moet oor hul eie betroubare vervoer beskik.

**Plaaslike besigheid is opsoek na Mans Persone, R6 000 p.m. Skakel 082 771 5936 tussen 6 en 7 uur saans**

## REGSKENNISGEWINGS & TENDERS

### VERLORE DOKUMENTE

#### LOST OR DESTROYED DEED

Notice is hereby given in terms of Regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T14929/1995 Passed by: JASPER JAKOBUS VAN JAARSVELD ID No: 530623 5028 00 4 and MARTHA SOPHIA VAN JAARSVELD ID No: 560527 0041 00 8 married in community of property to each other in favour of CAREL JOHANNES NYNHARDT ID No: 440115 5556 08 3 and CHRISTINA JOHANNA NYNHARDT ID No: 470722 0609 08 1 married in community of property to each other in respect of certain Erf 387 Theunissen, Free State Province which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds Bloemfontein at Room 829, Bloemfontein within two weeks after the date of the publication of this notice.

**WILLEM JOHANNES PAULUS BINDEMAN**  
Applicant  
6 Bompast Street Westdene, Bloemfontein 9301  
E-mail address: bindemanprok@gmail.com  
Contact No: 051 430 0050

## LOST OR DESTROYED DEED

Notice is hereby given in terms of Regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T23350/2004 Passed by: MAURITZ HERMAN OTTO VAN HEERDEN ID No: 350504 5023 08 7 and ANNA MARGARETHA SUSANNA VAN HEERDEN ID No: 380224 0064 08 5 married in community of property to each other in favour of REPO WILD 1101 CC Registration Number: 2002/100712/23

In respect of certain Portion 1 of the farm Cornelius 1093, district Bethlehem, province Free State which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at 85 Nelson Mandela Drive, Bloemfontein within two weeks after the date of the publication of this notice. Dated at Ficksburg on this 26th day of May 2020. FRANCOIS CARL LOUW Applicant 81 Piet Retief Street FICKSBURG E-mail address: liez@diplprok.co.za Contact No: 051 933 2351

## VERLORE DOKUMENTE

### FORM JJJ

Notice is hereby given in terms of regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T19932/2009 passed by David Joubert, Identity Number 550905 5003 08 6, Married out of community of property in favour of Pfeiffer-Huis Beleggings Bk, Registration Number CK1995/009232/23, in respect of certain Portion 1 of the farm Linder Vley 908, District Bloemfontein, Province Free State which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at BLOEMFONTEIN this 29th day of May 2020. MONTYRE VAN DER POST INC 12 Barnes Street, Westdene, Bloemfontein, 9301 hannelise@montyrc.co.za Contact No: 051 50 50 200

## VOLWASSENES

### PRIVAAT

**BLOEM se mooiste Boere Noot Lisa Skakel 065 273 6584**

**STOP n STRIP @ The Catwalk**  
Coffee and a Muffin Mon - Fri: 10am - 7pm  
Call: 082 965 5566



## SOEK, KOOP, VERKOOP

## Breinknoop

1. Wat word dit genoem as 'n gholfspeeler 'n putjie in drie minder as baansyfer voltooi?
2. In watter fliek is Adam Sandler 'n professionele gholfspeeler?
3. Wie het met "Invisible Touch" en "No Son of Mine" treffers gehad?
4. Is die Nuweland-krieketstadion in Bloemfontein, Port Elizabeth of Kaapstad?
5. Hoe oud sou Elvis Presley nou gewees het?

Antwoorde: 1. Birdie, 2. The Sandlot, 3. The Notorious B.I.G., 4. The Wanderers, 5. 42 jaar.

## Vandag wat was

- Alex Jay, SA platejogge, is 59.  
Angelina Jolie, Amerikaanse aktrise, is 45.
- 103 jaar gelede (1917): Die eerste Pulitzerprys vir letterkunde word toegeken.  
101 jaar gelede (1919): Vroue in die herna nie die Suezkanaal-maatskappy se konsessie wanneer dit in 1959 verval nie. Dit lei tot die Suez-krisis.  
47 jaar gelede (1973): Don Wetzell, George Chastain en Tom Barnes patenteer die outomatiese tellermasjien.

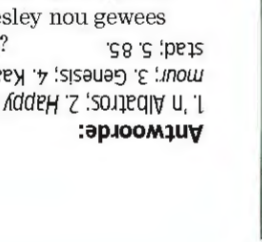


VSA kry die stemreg. 64 jaar gelede (1956): Egipte sê hy

**Crossword 425**

Across:  
2. Discount  
8. Ship of the desert  
9. Couples  
11. Hanger-on  
17. Worker in stone  
18. Sharp replies  
19. Lyric poems  
18. Nut  
19. Prise  
21. Nuisances  
24. Planet  
25. Circles  
28. Pompous gait  
31. Mechanical man  
34. Get up  
35. Speaks abusively  
37. Sleeveless garments  
38. Tried to equal or excel  
39. Frozen shower  
40. First public appearance  
41. Rubber  
Down:  
1. Procession  
2. Rest  
3. Dash  
4. Conscious of  
5. Tombstone inscriptions  
6. Jetty  
7. Serpents  
10. Make amends  
12. Dry. of wines  
13. Grinding tooth

## Zitts



## Hagar



## Stoffel



## Groeipyne



**TV**  
Donderdag 4 Junie

Hou dop: In die sepe *Getroud met rugby* probeer Blitz Julia oortuig om met Johan te praat. Schalk (deur Johan Scholtz gespeel) oorweeg 'n werkgeleentheid by 'n ander span, en Simon wil Lulu vergeet. (kykNET, 18:00)

**SABC2**

06:00 Morning Live  
09:00 The Agenda  
09:30 COVID-19: leerlingondersteuning  
11:00 Teenagers on a Mission  
11:30 7de Laan (H)  
12:00 Muvhango (H)  
12:30 Generations: The Legacy (H)  
13:00 Skeem Saam (H)  
13:30 Lithapo  
14:30 Touched by an Angel  
15:00 Sid the Science Kid  
15:00 Takalani Sesame  
16:00 Cave Quest  
16:30 Hectic Nine-9  
17:00 Naruto  
17:30 Naruto  
18:00 7de Laan  
18:30 Nuus (Afrikaans)  
19:00 Noot vir noot  
20:00 Nuus  
21:30 Guys with Kids (H)  
21:00 Muvhango  
21:30 Bones of My Bones II (16)  
22:00 Prison Wives (16)  
23:00 Naruto (H)  
23:30 Full View

**SABC3**

06:00 Covid-19: leerlingondersteuning  
07:00 Expresso  
09:00 Our New Normal (H)  
10:00 The Agenda  
11:00 Brooklyn Nine-Nine (13) (H)  
11:30 Judge Faith Jenkins (H)  
12:00 Airwolf  
13:00 On Point  
14:30 The Hostess with Lorna Maseko (H)  
15:00 The Zoo  
16:00 Hectic on 3  
16:30 Judge Faith Jenkins  
17:00 Afternoon Express  
18:00 Our New Normal  
19:00 Brooklyn Nine-Nine (13) (H)  
19:30 Hayden Quinn South Africa (H)  
20:30 Stacey Dooley Investigates: Fashion's Dirty Secrets  
21:00 Nuus @ 21:00  
21:30 El Chapo II (16GT)  
Joaquín elien sy seun se lyk en is gebreek. Later begin hy dinge aanvaar en berou hy nie sy keuses nie. Hy maak sy troepe bymekaar en versker hulle by is sterker as ooit. Don SO aanvaar sy gevelers vir Sebastian en begin slywe met hom deel, nie wetend hulle word dopgehou nie.  
22:30 The Agenda (H)  
23:30 Koze Kuse

**e.tv**

06:00 The Morning Show  
08:00 The Morning News  
08:30 Tanto Amor (13)  
09:30 Days of Our Lives (13) (H)  
10:30 Gebroke harte (13)  
11:30 Rhythm City (OL13) (H)  
12:00 Scandal! (OL13) (H)  
12:30 Imbewu: The Seed (13) (H)  
13:00 Open News  
13:30 The Wild (OL13) (H)  
14:00 Titel teen druktyd nie bekend nie  
14:30 Peppa Pig  
14:35 Care Bears Welcome to Care-a-Lot  
15:00 Ninjago: Masters of Spinjitsu  
15:30 Spirit Riding Free  
15:55 The Epic Tales of Captain Underpants  
16:20 Judge Judy (13)  
16:45 Days of Our Lives (13)  
17:30 Bittersoet (13)  
18:30 eNews: COVID-19-verslag  
19:00 Rhythm City (OL13)  
19:30 Scandal! (OL13)  
20:00 eNews  
20:30 Chicago Fire (13)  
21:30 Imbewu: The Seed (13)  
22:00 The Fixer (13ST)  
23:00 The Late Show with Stephen Colbert  
23:45 When the Bough Breaks (16SG) \*\*\*  
Misdadddrama. 'n Surrogaatma vir 'n paar raak obsessief oor die pa. Met Morris Chestnut en Regina Hall. (2016)

**M-Net**

**Satelliet (DStv)**  
07:00 The Block Australia XII (H)  
08:00 Young Sheldon III (13ST) (H)  
08:30 Chicago Fire VIII (13G) (H)  
09:30 Chicago Med V (13) (H)  
10:30 A Million Little Things II (16) (H)  
11:30 The Kelly Clarkson Show (OL) (H)  
12:35 The Block Australia XII (H)  
13:30 New Amsterdam II (13G) (H)  
14:30 Manifest II (13SG) (H)  
15:30 9-1-1: Lone Star (13) (H)  
16:30 Speechless III (13) (H)  
17:00 The Kelly Clarkson Show (OL) (H)  
18:00 The Block Australia XII  
19:00 Single Wives South Africa (13)  
Reeks begin.  
20:30 Council of Dads (16)  
21:30 Madam Secretary VI (13)  
Seisoen eindig.  
22:25 The Outsider (16)  
23:25 The Late Late Show with James Corden VI (13)  
00:15 Prodigal Son (16G) (H)  
**Analoog**  
17:00 Binnelanders, 17:30 Suid-ooster, 18:00 Satelliet-skedule, 22:25 Projek Dina, 23:25 Satelliet-skedule.

**kykNET**

06:00 Die groot ontbyt  
08:00 Die Boodskap: Vir jou lewensreis  
08:15 Lappies  
08:30 Binnelanders (H)  
09:00 Getroud met rugby (H)  
09:30 Republiek van Zoid Afrika 5 (13) (H)  
10:30 Safari 4x4-roetes 13 (H)  
11:00 Nasie in gesprek 5 (H)  
11:30 La't wiel 22 (H)  
12:00 Bravo! 10 (H)  
12:30 KN pandemie (H)  
13:00 Ontblyfsake (H)  
14:30 Vat jou goed en trek 5 (H)  
15:00 Verslag in gesprek (H)  
16:00 Kwela 22 (H)  
17:00 Koffieboon (H)  
17:30 Huis Lelieveld 2 (OL13) (H)  
18:00 Getroud met rugby  
Sien Hou dop.  
18:30 Suidooster  
Doe eervaar innerlike konflik, en Ty dra alhoewel swaarder aan sy situasie.  
19:00 Nuus  
19:30 Binnelanders  
Louis plaas René in 'n ongemaklike posisie, en Chanel probeer Danny uit die Kaap hou.  
20:00 Republiek van Zoid Afrika 5 (13)  
21:00 Bravo! 10 (H)  
21:30 Verslag  
22:00 Cas oppie kassie (OL13) (H)  
22:30 Getroud met rugby

**Via**

06:00 Optog (H)  
06:30 Plaaskombuis (H)  
07:00 Wraak my mooi (H)  
07:30 Vergewe my (H)  
08:30 lewers in Afrika (H)  
09:30 Uit die spens (H)  
10:00 Jan (H)  
11:00 Weg! Agterpaale: Groot Marico (H)  
12:00 Heerlik halaal (H)  
13:30 Landbouweekliks (H)  
14:00 Help! Ek haat my ma (H)  
15:00 Sê vir Mamma (H)  
15:30 1, 2, 3 Fixit (H)  
16:30 Geldhelde (H)  
17:00 Die testament  
17:30 Die bruid-boetiek Reeks begin.  
18:00 Heerlik halaal  
18:30 Landbouweekliks (H)  
19:30 Wees  
20:00 Help! Ek haat my ma  
21:00 Sê vir Mamma  
21:30 1, 2, 3 Fixit (H)  
22:30 Geldhelde (H)  
23:00 Die testament (H)

**Blokraai 14 155**

**Dwars:**  
1. Wat maklik oorgedra word  
6. Organe  
8. Wanneer die herfs begin  
10. Weggaan in die grond  
11. Been  
13. Liggewers wat 'n sagte skynsel verskaf  
19. Prinses van die Spaanse koningshuis  
22. Hardvochtige heersers  
24. Katastrofale gebeurtenisse  
25. Die bestaan  
**Af:**  
1. Grondbruikbaar maak wat verwaarloos is  
2. 'n Mens kan dit in 'n floute doen  
3. Raakloop  
4. Dun plaatjie  
5. Spiertrekking  
7. Bedroevende tyding

**Oplossing van 14 154 Dwars:**  
1. Skat; 8. Opstoppers; 9. Sprinkel; 10. Esse; 12. Onedel; 14. Emmers; 15. Escudo; 17. Geklop; 18. Leek; 19. Verskrik; 21. Vernamekste; 22. Roem.  
**Af:**  
2. Komponiste; 3. Tooi; 4. Ysskool; 5. Koelste; 6. Opgesmuk; 7. Asle; 11. Sardoniese; 13. Druk-kend; 16. Opvlam; 17. Gerase; 18. Levi; 20. Keer.

## **Appendix E: Minutes of Meeting (Draft)**

## Minutes

Royal HaskoningDHV (Pty) Ltd  
Transport & Planning

Present: Malcolm Roods (MR), Johannes Kotze (JK)  
Peter Kotze (PK) joined the discussions *via* phone call

Apologies: None

From: No Apologies

Date: 18 June 2020

Location: Kheis Riverside Lodge, Groblershoop

Copy: Johannes Kotze, Lusani Madali

Our reference: T&PMD4195

Classification: Project related

Enclosures: Attendance register, RHDHV presentation & File handed over by JK (attached)

**Subject: ACWA POWER – BOKPOORT II PV DEVELOPMENTS, NORTHERN CAPE PROVINCE**

---

## Number

## Details

1

### Welcome & Introduction

- MR thanked JK for driving to the venue to discuss the project.

2.

### Purpose of the Meeting

- MR highlighted the purpose for the meeting (*refer to attached presentation*).

3.

### Discussions

- JK indicated that he speaks on behalf of all the farmers / producers adjacent to the Orange River and that they have no problem with the proposed Solar Development.
- JK indicated that what they do have a problem with is the Access Road. He indicated that he knows it's a public road, but the road has only been designed and constructed for a certain purpose (and projected traffic volumes).
- JK stated that that road in its current form cannot handle the traffic volume (irrespective of one or ten new PV projects being developed).
- JK said that Provincial road authorities do not have the capability or funds to maintain the road, hence the farmers in partnership with ACWA Power (i.e. through an agreement which Ryno de Kock (CEO of Bokpoort at the time) drew up before he resigned ) agreed that ACWA Power would contribute a certain financial amount and the farmers a certain amount every time the road is graded. JK also referred to a BEE project with a road scraper.
- MR asked whether this was the Gariep Road and JK indicated that it was the portion of road from the tar road to the bridge.
- JK indicated that initial thoughts were that the BEE project will get more work (and support the Provincial Department of Roads and Public Works with the maintenance of other roads).

- JK provided MR with documents which was set up (since the project was initiated by SolAfrica). JK stated that at the time the farmers were assured that the road will be maintained in the same condition by SolAfrica and that dust suppression and compacting of the road surface will take place. He indicated that this did not happen, and the road was severely damaged.
- JK indicated that the farmers again negotiated with the Provincial Public Works and Roads Department and eventually the road was re-gravelled again.
- JK presented MR with a traffic count of vehicles for last Friday (12 June 2020). He stated that it is unbelievable the number of vehicles (i.e. Bakkies, Taxis, Trucks, etc) going to the Bokpoort Solar Plant site, from either Upington or Groblershoop and that the road cannot take the traffic load.
- JK indicated that the Provincial Public Works and Roads Department cannot maintain the road as it was not designed for the current traffic volumes.
- JK presented the file which comprises of e-mails and promises made to the farmers. He said that SolAfrica sold the project to ACWA Power, and that ACWA Power did not take over the contracts obligations made by SolAfrica and that the farmers have been “guided around the nose”. For them it is about the access road, and it’s the same for the farmers coming from Grootdrink as they have the same problems.
- JK indicated to MR that with all due respect, the farmers will not be misguided this time around. They will not allow the road to be damaged again and that this is a public road and that all parties must be accommodated. JK stated that this is not how neighbours should treat each other and that it would be in everyone’s best interest to maintain the road.
- JK said that they will also not pay out of their own pockets for the upkeep of a road when nationally and locally it is benefitting another party.
- JK said that the first prize would be to surface / tar the road, but he indicated that from a cost perspective this might be too expensive and that various amounts to undertake this has been doing the rounds (between R20 - 80 million). JK said that the Provincial Department indicated they don’t have money and that the surfacing of this road is not their priority.
- JK indicated that surely with all these PV developments (MR indicated 10 PVs in total) one can consider the financial feasibility of surfacing the roads. MR mentioned that at this stage ACWA Power don’t know if they will only get 1 of the PV developments, or all 10 in the next bidding round.
- JK indicated that if they get one or all 10, the road will remain a problem, either during construction or during operation.
- JK indicated that the farmers require the development of a cooperative agreement [that is legally binding and does not matter

who the Environmental Authorisation (EA) is sold or transferred to] to upgrade the road for the benefit of everyone – then there will be no fighting.

- MR asked whether it would not suffice if this requirement for the development of such a “cooperative agreement” be included in the Final BAR as a condition of the DEFF Environmental Authorisation and that before construction, such a cooperative agreement must be in place and be legally binding on all parties. JK indicated that this is what the farmers will require, and that RHDHV must propose this to the DEFF.
- MR indicated that the recommendation for inclusion of such a form of condition is not new and that RHDHV had instances like this on other Environmental Impact Assessments as well (within reason).
- JK then phoned PK where MR explained this concept and recommendation in the Final BAR to appear a condition within the EA to PK as well.
- MR indicated that such a cooperative agreement will ensure that there is an opportunity for all the “minds to meet” prior to construction, and that a specific condition imposed in the EA would weigh stronger than just a mitigation measure within an EMP. MR indicated that should such a condition not be complied with, the EA could either be revoked or suspended given the importance of this aspect raised by the farming community.
- PK then said he requested Seshni Govender to ask the DEFF and the Department of Roads & Public Works to attend the meeting. DEFF and the Department were invited to the MS Teams meeting but did not attend.
- PK further indicated that he could not attend the meeting in person due to a health condition which he is careful of.
- PK indicated that they have no problem with the expansion to include more PV Solar Facilities, but their lifeline is the road, and if the road is not in a good condition the farmers suffer.
- PK indicated that their traffic count shows at least 20 vehicles per day on the road, but when they negotiated the solar facility only said there is 5 vehicles per day. PK indicated that no agreement / commitment which the developer / applicant made to the farmers has been honoured.
- PK again highlighted that they do not have a problem with the Solar farm expansion, but that their problem lies with the infrastructure. They only want a road that they can use without any issues that results in financial implications on them (i.e. one of his trucks had a tyre damaged as a result of a rock on the road).
- JK required MR to compile such a draft condition for the development and approval of a “cooperative agreement” prior to any construction taking place, and that this draft condition must be sent to JK and PK for review first before recommending the wording to DEFF. This condition wording will then be amended if required and undersigned by all affected farmers.



- MR also provided copies of the presentation to JK should any other farmer require a hard copy of the presentation.

4.

#### **Way Forward**


- MR to compile a condition which will be proposed to the Department of Environment, Forestry and Fisheries (DEFF) for inclusion into the Environmental Authorisation (EA) with regards to the affected roads leading to the site.
- MR to send draft “cooperative agreement” condition for inclusion within the Final BAR to JK for circulation and approval by the affected farmers.
- File handed over to MR to be included into the Basic Assessment Report Issues Trail. This demonstrates to the DEFF all the discussions to date with *inter alia* Elton Julies.

5.

#### **Closure**

- MR closed the meeting at 11h00.

## Appendix A – RHDHV Presentation



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*Enhancing Society Together*

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS & INCREASE IN CAPACITY & ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP**

14/12/16/3/3/1/2142 (VENDA); 14/12/16/3/3/1/2143 (TSONGA); 14/12/16/3/3/1/2144 (TSWANA);  
14/12/16/3/3/1/2145 (SOTHO); 14/12/16/3/3/1/2146 (SWATI); 14/12/16/3/3/1/2147 (AFRIKAANS);  
14/12/16/3/3/1/2148 (XHOSA); 14/12/16/3/3/1/2149 (NDEBELE); 14/12/16/3/3/1/2150 (PEDI);  
14/12/16/3/3/1/2151 (ZULU)

*Date: 18 June 2020  
Kheis Riverside Lodge,  
Groblershoop*

1

## Agenda

- Purpose of the Presentation
- Environmental Process followed to date
- Project Background and Location
- Project Details
- Specialist Assessments & Key Findings
- Summary of Potential Impacts
- Project Sensitivity
- Key Mitigation Measures & Environmental Impact Statement
- Public Participation Process
- Way Forward

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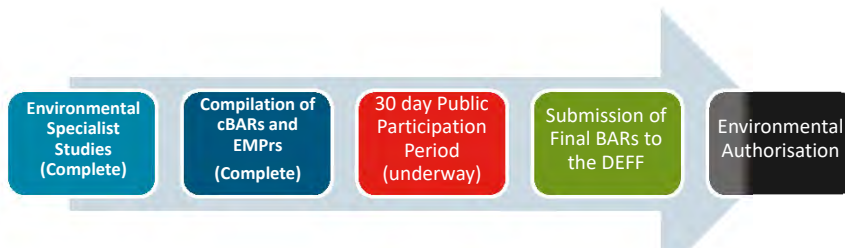
## Purpose of the Presentation

- Introduce the project (Project Context)
- Outline the Basic Assessment (BA) studies & Public Participation Process (PPP)
- Present the findings of the Draft Consultation BA Reports (cBARs)
- Provide an opportunity for stakeholders to seek clarity and provide input into the project
- To record comments raised and include them in the Final cBARs
- Interaction with the project team

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## Environmental Process followed to date



- Competent Authority – Department of Environment, Forestry and Fisheries (DEFF)
- BA process undertaken in terms of the EIA Regulations 2014 (as amended in 2017)
- Commenting Authority – Northern Cape Department of Environment & Nature Conservation
- 2 PV plant applications – initial review: 05 March – 26 March 2020 (21 days), **revised review: 06 June – 06 July 2020 (30 days)**
- 8 PV plant application – initial review: 05 March – 26 March 2020 (21 days), **revised review: 06 June – 06 July 2020 (30 days)**. An extension will be requested as the BAR needs to be revised due to the addition of an EMPr for the transmission line component
- Submission of final BARs to DEFF - 2 PV plant applications: July 2020, 8 PV plant applications: August 2020

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## Project Background

- On 21 October 2016, a 150MW Concentrating Solar Power (CSP) plant in 900 ha, was authorised by the Department of Environmental Affairs (DEA)
- Due to the changes in the Integrated Resource Plan (October 2019), the authorised CSP site will be replaced with eight (8) new PV plants
- Updated layout revised to incorporate the 8 new PV plants of 200MW each, covering a total of 1200ha (150ha per plant)
- Individual applications for Environmental Authorisation (EA) will be lodged per plant (8 applications in total), one BA study is applicable to the entire development footprint for the 8 plants

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## Project Background (cont.)

- Two 75MW PV plants including ancillary infrastructure were also authorised by the DEA on 24 October 2016
- The intention to replace the CSP plant with 8 PV plants resulting in development footprint changes of the overall project
- PV 1 (Ndebele) and PV 2 (Xhosa) PV plants will undergo an amendment to cater for the overall project development and ancillary infrastructure
- A separate BA study has been undertaken for the two approved PV plants to include battery energy storage systems (BESS) as well as the increase in the electricity output from 75MW to 200MW

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## Specialist Assessments

Specialist Study	Organisation
Soils and Agricultural Potential	Johann Lanz (private)
Hydrogeology	GCS
Surface Water (Hydrology)	Golder Associates (Peer Review – GCS)
Surface Water (Wetlands)	Royal HaskoningDHV (Peer Review – SAS)
Ecology	Bathusi Environmental Consultants
Avifauna	Arcus Consulting Services
Bats	Arcus Consulting Services
Air Quality	WSP
Heritage	Johnny van Schalkwyk (private)
Palaeontology	Natura Viva
Traffic	Royal HaskoningDHV (Peer Review – SMEC)
Visual	Royal HaskoningDHV (Peer Review – LOGIS)

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## Key Findings of Specialist Assessments – 8 new PV Plants

### Soils & Agricultural Potential (applicable to all 10 PV plants)

- Development on land which is of low agricultural potential and is not suitable for cultivation
- No agriculturally sensitive areas occur within the proposed site and no part of it is therefore required to be set aside from the development

### Hydrogeology (applicable to all 10 PV plants)

- The potential impacts will be primarily from spillage of fuels, lubricants, chemicals, leakage from BESS and will be of a low environmental significance provided that mitigation measures are implemented

### Surface Water [Hydrology] (applicable to all 10 PV plants)

- A Stormwater Management Plan (SWMP) must be implemented
- Mitigation for spillage or leakages must include bunded areas to store chemicals and/ or fuel and containerisation of the BESS
- Water demand will be affected positively with the total demand changing to 0.22 million cubic metres per annum ( $\text{Mm}^3/\text{a}$ ) ( $10 \times 0.022 \text{ Mm}^3/\text{a}$ ) for the 10 PV plants instead of the  $0.3 \text{ Mm}^3/\text{a}$  ( $0.25 + 2 \times 0.025 \text{ Mm}^3/\text{a}$ ) for the CSP and 2 PV plants

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## Key Findings of Specialist Assessments

### Ecology (applicable to all 10 PV plants)

- Potential impact: loss in extent of vegetation communities and loss and associated disturbance of species of conservation concern during construction; effects on fauna species of conservation concern as a result of site lighting, security fencing and increased road traffic during operation, and the spread of invasive species and potential contamination of remaining natural (surrounding) ecosystems during closure
- None of the anticipated impacts can be highlighted or construed to represent an unacceptable or severe threat to sensitive biological or biodiversity components within the study area and wider region

### Avifauna (applicable to 8 PV plants)

- Significantly reduced risk of collision for important high-flying and soaring species such as eagles, bustards and vultures commuting over the site as well as the removal of burning risks associated with the originally authorised CSP plant
- Additional bird flight deterrent devices to be investigated to reduce the potential impact of collisions with overhead powerlines as well as reduced habitat fragmentation and disruption of bird movements across the project site for a number of ground dwelling species

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## Key Findings of Specialist Assessments (cont.)

### Bats (applicable to all 8 PV plants)

- The PV plants would have fewer negative impacts on bats
- Acoustic monitoring is no longer required

### Air Quality (applicable to all 10 PV plants)

- The PV plant does not trigger any of the regulated Listed Activities. As such, the PV plants does not require an Atmospheric Emission Licence
- The key pollutant from the proposed site during the construction and decommission phases would be particulate matter (PM)
- Various PM control measures for the construction phase are presented, the key being wet suppression

### Heritage & Palaeontology (applicable to all 10 PV plants)

- No sites, features or objects of cultural significance are known to exist in the development area
- No significant impacts on fossil heritage are anticipated during the construction, operational and closure phases of the project

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## Key Findings of Specialist Assessments (cont.)

### Traffic (applicable to all 10 PV plants)

- Travel to and from the PV plants by personnel, deliveries and visitors will add to the existing traffic on the approach roads, affecting road safety, create dust from unpaved roads and road surface quality as experienced by existing road users during the construction phase. During operations, heavy vehicle volumes will be reduced

### Visual (applicable to all 10 PV plants)

- The development will add to the presence of large-scale power generation infrastructure in the study area, but which due to its remote location and the low density of human settlement will not generate any degree of visual exposure beyond that which is very low, thus being unlikely to generate any visual impacts

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## Key Findings of Specialist Assessments (cont.)

### Noise (applicable to all 10 PV plants)

- The noise generated by the operation of the PV plants will add to the existing natural and man-made noise levels in the area but is very unlikely to reach unacceptable levels at off-site locations of human receptors

### Social (applicable to all 10 PV plants)

- Generation of 1600MW of electricity will be a positive impact as this will provide further support to the national grid therefore aiding in provide electricity security to the region and the country
- Potential job creation

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### Summary of Potential Construction Impacts – 8 PV Plants

Potential Environmental Impact (Construction)	Environmental Significance											
	Pre-mitigation						Post-mitigation					
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating
<b>Geology</b>												
Excavations for foundations of the PV plants and ancillary structures will disturb near surface geology permanently.	2	5	1	5	40	Mod	2	5	1	5	40	Mod
<b>Topography</b>												
Construction of the surface infrastructure will have a minor and reversible effect on the topography of the site with a low probability of it being viewed as significant.	2	4	1	3	21	Low	2	4	1	2	21	Low
<b>Soils</b>												
Agricultural grazing land directly occupied by the development infrastructure which includes all associated infrastructure, will become unavailable for agricultural use.	2	4	1	5	35	Mod	2	4	1	5	35	Mod
Soil degradation erosion, topsoil loss and contamination.	2	3	1	3	18	Low	2	3	1	2	12	Low
<b>Hydrogeology</b>												
The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from construction equipment, vehicles and temporary workshop during the construction phase.	6	1	1	3	24	Low	4	1	1	3	18	Low

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### Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Infiltration potential/ aquifer vulnerability	6	1	1	2	16	Low	6	1	1	2	16	Low
Impact on receptors	2	2	2	2	12	Low	2	2	2	2	12	Low
<b>Surface Water</b>												
Spillage of fuels, lubricants and other chemicals, increased run-off due to vegetation and veld removal, potential pollution transport via run-off of rainfall from disturbed areas and erosion.	6	2	2	4	40	Mod	6	2	2	2	24	Low
<b>Ecology</b>												
Loss of extent of modified habitats within the project footprint (direct impacts on natural vegetation).	4	5	1	5	50	Mod	2	4	1	5	35	Mod
Introduction/ spread of exotic invasive species.	6	5	2	4	52	Mod	2	2	1	3	15	Low
Loss/ disturbance of flora and fauna species of conservation concern.	8	2	4	4	56	Mod	4	4	1	4	36	Mod
Loss/ disturbance of other fauna species.	6	4	1	5	55	Low	4	4	1	3	27	Low
Reduction in extent of natural habitats, systems of conservation concern.	8	5	1	3	42	Mod	4	5	0	2	18	Low
<b>Avifauna</b>												
The removal and/ or destruction and/ or alteration of habitat used by birds, may impact on the foraging and/ or breeding success of certain species, and will lead to numerous birds being displaced from the projects site and needing to find suitable available habitat elsewhere.	8	4	2	5	70	Mod	8	3	1	5	60	Mod

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## Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Birds are disturbed and displaced from the project site and surrounding areas due to construction activities and associated noise etc.	8	2	2	4	48	Mod	6	2	2	3	30	Mod
<b>Bats</b>												
Reduction in foraging habitat due to vegetation clearance.	6	4	1	5	55	Mod	2	4	1	4	28	Low
Disturbance and displacement due to construction noise and lighting.	6	2	1	4	36	Mod	4	1	1	4	24	Low
<b>Air Quality</b>												
Particulate matter emissions.	2	2	2	5	30	Mod	2	2	2	5	30	Mod
<b>Heritage</b>												
No sites, features or objects of cultural significance were identified.	-	-	-	-	-	-	-	-	-	-	-	-
<b>Palaeontology</b>												
Disturbance, damage, destruction or sealing-in of scientifically important fossil remains preserved at or beneath the ground surface within the development area, most notably by surface clearance and bedrock excavations during the construction phase.	2	5	1	2	16	Low	2	5	1	1	8	Low
<b>Traffic</b>												
The increase in traffic, and especially of vehicles carrying heavy loads will cause an increase in deterioration of the road network.	6	2	2	5	50	Mod	4	2	2	3	24	Low
Increase in dust is only applicable to the gravel roads. Dust is generated due to heavy vehicles and high speeds.	6	2	2	5	50	Mod	2	2	2	3	18	Low

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## Summary of Potential Construction Impacts – 8 PV Plants (cont.)

Increase in traffic volumes impacting LOS of the infrastructure:	8	2	2	5	60	Mod	2	2	2	4	24	Low
Road safety deterioration due to dust and speeding, causing drivers to lose control on the gravel roads.	4	2	2	4	32	Mod	2	2	2	3	18	Low
<b>Visual</b>												
Visibility and dust plumes generated at the construction site.	6	2	3	4	44	Mod	4	2	2	2	16	Low
Generation of dust plumes from construction traffic on the access roads.	4	2	3	2	18	Low	4	2	2	2	16	Low
<b>Noise</b>												
Impact will be limited by distance, existing noise levels at receptor areas and relatively short construction period.	4	4	2	2	20	Low	2	4	2	2	16	Low
<b>Socio-economic</b>												
Employment opportunities.	6	2	2	3	+30	Mod	6	2	2	4	+40	Mod
Population influx.	8	3	2	4	52	Mod	6	2	2	3	30	Mod
Economic benefits.	6	4	3	3	+39	Mod	8	4	4	4	+64	Mod
Change in land use.	6	4	3	4	52	Mod	4	4	2	3	30	Mod

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## Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Potential Environmental Impact (Operations)	Environmental Significance													
	Pre-mitigation						Post-mitigation							
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating		
<b>Geology</b>														
The operational phase will not have any impact on the geology of the project area.	0	5	1	0	0	None	0	5	1	0	0	None		
<b>Topography</b>														
No effect on topography from operational activities.	0	4	1	0	0	None	0	4	1	0	0	None		
<b>Soils</b>														
Agricultural grazing land directly occupied by the development infrastructure which includes all associated infrastructure, will become unavailable for agricultural use.	0	4	1	0	0	None	0	4	1	0	0	None		
<b>Hydrogeology</b>														
Groundwater quality can be impacted by spillage of fuels, lubricants, chemicals, leakage from BESS from operations and maintenance activities.	8	1	2	2	22	Low	4	1	2	2	14	Low		
<b>Surface Water</b>														
Spillage of fuels, lubricants and other chemicals, during operations and erosion.	6	4	2	4	48	Mod	4	4	1	3	27	Low		

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## Summary of Potential Operation Impacts (cont.)

<b>Ecology</b>														
Spread of invasive plant species.	6	5	2	4	52	Mod	2	2	1	3	15	Low		
Direct loss (injury/ mortality) of fauna species via roadkill.	8	4	2	5	70	Mod	4	4	2	4	40	Mod		
Disturbance of faunal species of conservation concern – site lighting.	6	4	2	5	60	Mod	4	4	2	2	20	Low		
Disturbance of faunal species of conservation concern – barrier to movement.	6	4	2	4	48	Mod	6	4	2	3	36	Mod		
<b>Avifauna</b>														
Birds are disturbed and displaced from the project site and surrounding areas, or from the grid connection servitude and surrounding areas, due ongoing operational and maintenance activities.	8	4	2	4	56	Mod	6	4	2	2	24	Low		
Birds colliding with PV panels. Birds may be attracted to the reflective surfaces which may be mistaken for large water bodies and can cause disorientation of flying birds, resulting in injury and/ or death.	6	4	1	5	55	Mod	4	4	1	3	27	Low		
Collision with powerlines.	10	4	4	5	90	High	6	4	2	2	24	Low		
Electrocution of birds perching or attempting to perch on electrical structures.	10	4	4	4	72	Mod	6	4	2	2	24	Low		
Pollution of water resources used by birds.	4	4	2	3	30	Mod	2	4	2	2	16	Low		
Excessive use of water, which may drain local reserves used by birds in naturally dry habitats.	4	4	3	3	33	Mod	2	4	3	2	18	Low		
The development forms a physical barrier to movement of birds across the landscape, alters migration routes and increases distances travelled and energy expenditure for hunting or foraging.	6	4	3	3	39	Mod	4	4	2	2	20	Low		

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### Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Bats												
Barrier effect of PV plants to normal foraging and commuting behaviours.	8	4	1	4	52	Mod	4	4	1	3	27	Low
Change of bat community utilizing development area due to security lighting.	6	4	1	4	44	Mod	2	4	1	4	28	Low
Collision of bats with PV panels.	4	1	1	2	12	Low	4	1	1	1	6	Low
Air Quality												
Emissions during operation and maintenance activities.	2	4	2	5	40	Mod	2	2	2	5	30	Mod
Containment loss associated with the BESS.	10	4	2	1	17	Low	10	4	2	1	17	Low
Traffic												
Deterioration of road conditions, dust generation, traffic volumes and road safety conditions during the operations phase.	2	4	2	2	16	Low	2	4	2	2	16	Low
Visual												
Visibility of the PV panels to the vast majority of the receptor locations in the study area.	6	2	4	2	24	Low	6	2	4	2	24	Low
Introduction of new sources of lighting to a relatively unlit night-time environment.	6	2	4	2	24	Low	4	2	4	2	20	Low

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### Summary of Potential Operation Impacts – 8 PV Plants (cont.)

Noise												
The major noise sources associated with the operation of the PV plants will be the inverter, transformer substation, transmission lines, water truck(s) used for panel cleaning and workers commuting.	6	4	2	3	36	Mod	4	4	1	2	18	Low
Socio-economic												
Employment opportunities.	4	2	2	3	+24	Low	4	4	2	3	+30	Mod
Training and skills development.	4	4	2	3	+30	Mod	6	5	2	4	+52	Mod
Continued economic benefits.	6	4	3	3	+39	Mod	8	4	4	4	+64	Mod
Continued population influx.	6	4	2	3	36	Mod	4	3	2	2	18	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 8 PV Plants (cont.)

Potential Environmental Impact (Closure & Rehabilitation)	Environmental Significance											
	Pre-mitigation						Post-mitigation					
	M	D	S	P	SP	Rating	M	D	S	P	SP	Rating
<b>Geology</b> The closure and rehabilitation phase will not have any impact on the geology of the project area.	0	5	1	0	0	None	0	5	1	0	0	None
<b>Topography</b> Surface will be shaped to be free draining, close to original contours, but erosion resistant.	6	4	1	2	22	Low	2	4	1	3	+21	Low
<b>Soils</b> Soil degradation can result from erosion, topsoil loss and contamination.	2	3	1	3	18	Low	2	3	1	2	12	Low
<b>Hydrogeology</b> The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from closure and rehabilitation activities.	6	1	1	3	24	Low	4	1	1	3	18	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 8 PV Plants (cont.)

<b>Surface Water</b> Erosion of bare surfaces and spillages of waste materials and hydrocarbons from vehicles could cause surface water contamination.	6	2	2	4	40	Mod	4	2	1	3	21	Low
<b>Ecology</b> Spread of invasive plant species.	6	4	3	5	65	Mod	4	2	1	3	21	Low
<b>Bats</b> Disturbance and displacement due to decommissioning noise and lighting.	6	2	1	4	36	Mod	4	1	1	4	24	Low
<b>Air Quality</b> Particulate matter emissions.	2	2	2	5	30	Mod	2	2	2	5	30	Mod
<b>Traffic</b> Significantly less traffic than construction and operational phases but will have some effect on road safety and wear and tear.	6	2	2	4	40	Mod	4	2	2	2	16	Low
<b>Visual</b> Generation of dust plumes from traffic on the access roads.	4	2	3	2	18	Low	4	2	2	2	16	Low
<b>Noise</b> Impact will be limited by distance, existing noise levels at receptor areas and relatively short demolition period.	4	2	2	3	24	Low	2	2	2	3	18	Low
<b>Socio-economic</b> Reduced employment.	8	4	2	4	56	Mod	6	2	2	2	20	Low
Reduced economic benefit.	8	5	3	5	80	Mod	6	5	2	4	52	Mod
Dependency on project sustaining local economy.	8	5	3	3	48	Mod	6	3	2	2	22	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	Excavations for foundations for the PV plants and associated structures will permanently disturb the near-surface geology over parts of the site	Without	2	5	1	5	40	Mod
		With	2	5	1	5	40	Mod
Topography	Excavating for building foundations and landscaping to position the PV panels and create runoff management berms will result in minor changes to the existing topography of the site	Without	2	4	1	3	21	Low
		With	2	4	1	3	21	Low
Air Quality	The following possible sources of PM emissions have been identified for the construction phase: <ul style="list-style-type: none"> <li>Vehicle activities associated with the transport of equipment to the site;</li> <li>Preparation of the surface area prior to development; and</li> <li>The removal of construction equipment from site after the set-up of new infrastructure</li> </ul>	Without	5	2	2	2	30	Mod
		With	5	2	2	2	30	Mod

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Agricultural Potential, Soil, Land Capability and Land Use	Loss of Agricultural Land Use	Without	2	4	1	5	35	Mod
		With	2	4	1	5	35	Mod
	Soil Degradation	Without	2	3	1	3	18	Low
		With	2	3	1	2	32	Low
Ecology	Loss of extent of modified habitats within the Project footprint	Without	4	5	1	5	50	Mod
		With	2	4	1	5	35	Mod
	Introduction/Spread of exotic invasive species	Without	6	5	2	4	52	Mod
		With	2	2	1	3	15	Low
	Loss/disturbance of flora and fauna species of conservation concern	Without	8	4	2	4	56	Mod
		With	4	4	1	4	36	Mod
	Loss/disturbance of other fauna species	Without	6	4	1	5	55	Mod
		With	4	4	1	3	27	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Ecology	Reduction in extent of natural habitats	Without	8	5	1	3	42	Mod
		With	4	5	0	4	18	Low
	Soil erosion and sediment loading of surface water runoff	Without	4	4	2	4	40	Mod
		With	2	2	2	2	12	Low
Avifauna	Habitat Destruction	Without	8	4	2	5	70	Mod
		With	8	3	1	5	60	Mod
	Disturbance and Displacement	Without	8	2	2	4	48	Mod
		With	6	2	2	3	30	Mod

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Bat	Reduction in foraging habitat due to vegetation clearance	Without	6	4	1	5	55	Mod
		With	2	4	1	4	28	Low
	Disturbance and displacement due to construction noise and lighting	Without	6	2	1	4	36	Mod
		With	4	1	1	4	24	Low
Surface Water	The construction activities could lead to erosion from de-vegetated areas and runoff carrying a high silt load and contaminants such as fuel, hydraulic fluids, degreasing and other chemicals and cement.	Without	6	2	2	4	40	Mod
		With	4	2	1	3	21	Low
Groundwater	The groundwater quality can be impacted by spillage of fuels, lubricants, chemicals from construction equipment, vehicles and temporary workshop during the construction phase or from leakage from the BESS.	Without	6	3	1	4	40	Mod
		-	-	-	-	-	-	-

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Visual	Local residents and travellers along local roads will initially see vehicles transporting personnel, equipment and materials to the Bokpoort II site. Dust plumes resulting from travel along unpaved roads and earthmoving activities on the site would be visible from distances of several kilometres.	Without	6	2	2	3	30	Mod
		With	2	2	1	3	15	Low
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	The Precambrian metamorphic bedrocks underlying the study area at depth are unfossiliferous while the overlying Late Caenozoic superficial sediments are generally fossil-poor.	Without	2	5	1	2	16	Low
		With	2	5	1	1	8	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Traffic	Deterioration of road network condition	Without	6	2	2	5	50	Mod
		With	4	2	2	3	24	Low
	Increase in dust	Without	6	2	2	5	50	Mod
		With	2	2	2	3	18	Low
	Increase in traffic volumes	Without	8	2	2	5	60	Mod
		With	2	4	2	2	16	Low
	Deterioration of road safety conditions	Without	2	4	2	4	32	Mod
		With	2	2	2	3	18	Low

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### Summary of Potential Construction Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Socio-Economic	Employment opportunities	Without	6	2	2	3	+30	Mod
		With	6	2	2	4	+40	Mod
	Population influx	Without	8	3	2	4	52	Mod
		With	6	2	2	3	30	Mod
	Economic benefits	Without	6	4	3	3	+39	Mod
		With	8	4	4	4	+64	Mod
	Change in land use	Without	6	4	3	4	52	Mod
		With	4	4	2	3	30	Mod

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Agricultural Potential, Soil, Land Capability and Land Use	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Air Quality	<ul style="list-style-type: none"> <li>If areas exposed during the construction phases are promptly revegetated, emissions during the operational phase of the facility are expected to be insignificant.</li> <li>Loss of containment of BESS due to corrosion or fires, or during maintenance procedures poses risks to ambient air quality</li> </ul>	Without	2	4	2	2	16	Low
		With	2	4	2	2	16	Low
	Vehicles travelling to and from the site will emit PM and gases. Expected vehicle volumes, however, will not result in any significant impact on local air quality beyond the direct vicinity of the main access road and access gate	Without	2	4	2	5	40	Mod
		With	2	4	2	5	40	Mod
	Containment loss is the greatest concern in relation to the storage of hazardous chemicals onsite	Without	10	4	3	1	17	Low
		With	10	4	3	1	17	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Ecology	Spread of invasive plant species	Without	6	5	2	4	52	Mod
		With	2	2	1	3	15	Low
	Direct loss (injury/mortality) of fauna species via roadkill	Without	8	4	2	8	70	Mod
		With	4	4	2	4	40	Mod
	Disturbance of faunal species of conservation concern – site lighting	Without	6	4	2	5	60	Mod
		With	4	4	2	2	20	Low
	Disturbance of faunal species of conservation concern – barrier to movement	Without	6	4	2	4	48	Mod
		With	6	4	2	3	36	Mod

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### Summary of Potential Operations Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Avifauna	Disturbance and Displacement	Without	8	4	2	4	56	Mod
		With	6	4	2	2	24	Low
	Collision with Infrastructure (Excluding Power Lines)	Without	6	4	1	5	55	Mod
		With	4	4	1	3	27	Low
	Water Pollution	Without	4	4	2	3	30	Mod
		With	2	4	2	2	16	Low
	Excessive Use of Water	Without	4	4	3	3	33	Mod
		With	2	4	3	2	18	Low
		Without	6	4	3	3	39	Mod
		With	4	4	2	2	20	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Bat	Barrier effect of PV plants to normal foraging and commuting behaviours	Without	8	4	1	4	52	Mod
		With	4	4	1	3	27	Low
	Change of bat community utilizing development area due to security lighting	Without	6	4	1	4	44	Mod
		With	2	4	1	4	28	Low
	Collision of bats with PV panels	Without	4	1	1	2	12	Low
With		4	1	1	1	6	Low	
Surface Water	Once operational, the 200MW Ndebele and Xhosa PV Plant installation will require a slight change in water demand which will be affected positively	Without	10	3	2	3	45	Mod
	During the operational phase there is a possibility of increased spillage of fuels, lubricants and other chemicals from the BESS. The installation and operation of the PV plants will result in the creation of some relatively small impervious areas	With	6	1	2	3	27	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Groundwater	If leakage from the BESS reach the groundwater, contamination can be expected. Unsatisfactory water quality (containing elevated counts of microbiological determinants or metal concentrations for example) is used to clean the solar cells this could infiltrate into the subsurface and possibly pollute the groundwater.	Without	6	4	3	6	65	Mod
		With	2	4	2	2	16	Low
Visual	The PV arrays would not be visible to the vast majority of the receptor locations in the study area, and thus would not cause any visual impact for the majority of the study area. Lighting at the Solar Power Plant could create a visual impact on the night-time environment by introducing new sources of lighting to a relatively unlit night-time environment.	Without	8	4	2	4	56	Mod
		With	6	4	22	3	36	Mod

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	No significant further impacts on fossil heritage are anticipated operational phase of the solar power facility.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Traffic	The operational phase will not generate heavy vehicle volumes when compared to the construction phase	Without	2	4	2	2	16	Low
		With	2	4	2	2	16	Low

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### Summary of Potential Operation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Socio-Economic	The increase in generation capacity from 75 to 200MW contribution to the country's power generation capacity will contribute towards the overall stability of the national grid and a reduction in the greenhouse gas output per MWH generated.	Without	1	4	3	1	+8	Low
		With	8	4	4	5	+80	High

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	Due to the low rainfall and the sandy soils, the site is naturally not very prone to erosion, but inappropriate closure and rehabilitation could increase the erosion potential, leading to a topographical impact	Without	6	4	1	2	22	Low
		With	2	4	1	3	+21	Low
Air Quality	Particulate emissions during the closure and post-closure phase	Without	2	2	2	5	30	Mod
		With	2	2	2	5	30	Mod
	Decommissioning of BESS can also result in emissions to atmosphere due to containment issues	Without	10	4	3	1	17	Mod
		With	10	4	3	1	17	Mod

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Geology	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Topography	Due to the low rainfall and the sandy soils, the site is naturally not very prone to erosion, but inappropriate closure and rehabilitation could increase the erosion potential, leading to a topographical impact	Without	6	4	1	2	22	Low
		With	2	4	1	3	+21	Low
Air Quality	Particulate emissions during the closure and post-closure phase	Without	2	2	2	5	30	Mod
		With	2	2	2	5	30	Mod
	Decommissioning of BESS can also result in emissions to atmosphere due to containment issues	Without	10	4	3	1	17	Mod
		With	10	4	3	1	17	Mod

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Agricultural	Soil Degradation	Without	2	3	1	3	18	Low
		With	2	3	1	2	12	Low
Ecology	Spread of invasive plant species	Without	6	4	3	5	65	Mod
		With	4	2	1	3	21	Low
	Soil erosion and sediment loading of surface water runoff	Without	6	5	2	3	39	Mod
		With	6	5	3	1	14	Low
Avifauna	No Impacts	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Bat	Disturbance and displacement due to decommission noise and lighting	Without	6	2	1	4	36	Mod
		With	4	1	1	4	24	Low
Surface Water	During the closure there is a possibility of increased Spillage of fuels, lubricants and other chemicals from previously banded and contained areas	Without	6	2	2	4	40	Mod
		With	4	2	1	3	21	Low

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### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Groundwater	During the closure there is a possibility of increased Spillage of fuels, lubricants and other chemicals from previously bunded and contained areas	Without	6	3	1	4	40	Mod
		With	2	2	1	3	15	Low
Visual	The site would not be visible to the vast majority of the receptor locations in the study area, and thus dust plumes generated at the closure site would be unlikely to cause any visual impact for the majority of the study area.	Without	6	2	2	4	40	Mod
		With	4	2	2	3	24	Low
Heritage	As no sites, features or objects of cultural significance are known to exist in the development area, there would be no impact as a result of the proposed development.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a
Palaeontology	No significant further impacts on fossil heritage are anticipated operational phase of the solar power facility.	Without	n/a	n/a	n/a	n/a	n/a	n/a
		With	n/a	n/a	n/a	n/a	n/a	n/a

Royal HaskoningDHV

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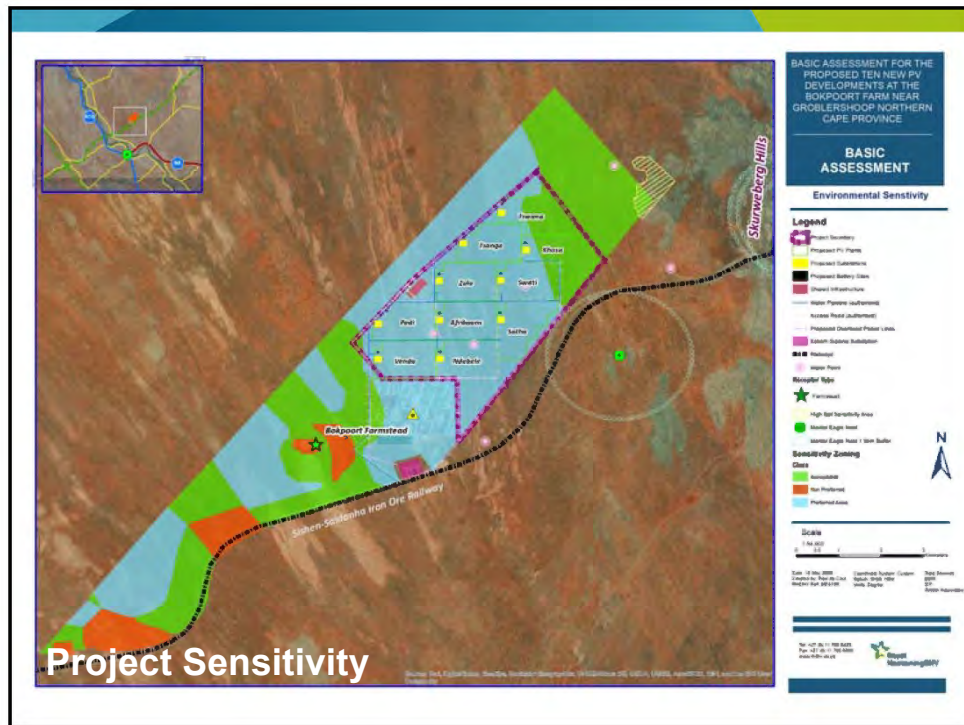
### Summary of Potential Closure & Rehabilitation Impacts – 2 PV Plants BESS & Capacity (cont.)

Aspect	Impact	Mitigation	Magnitude (M)	Duration (D)	Scale (S)	Probability (P)	Significance Point (M+D+S) x P	
Traffic	The traffic activities will be similar to those of the construction phase, but by the time of closure, it is highly likely that the local access roads will have been paved	Without	4	2	2	5	40	Mod
		With	4	2	2	2	16	Low
Socio-Economic	Reduced employment	Without	8	4	2	4	56	Mod
		With	6	2	2	2	20	Low
Socio-Economic	Reduced economic benefit	Without	8	5	3	5	80	High
		With	6	5	2	4	52	Mod
Socio-Economic	Dependency on project sustaining local economy	Without	8	5	3	3	48	Mod
		With	6	3	2	2	22	Low

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## Key Mitigation Measures & Environmental Impact Statement

**Key Mitigation Measures**

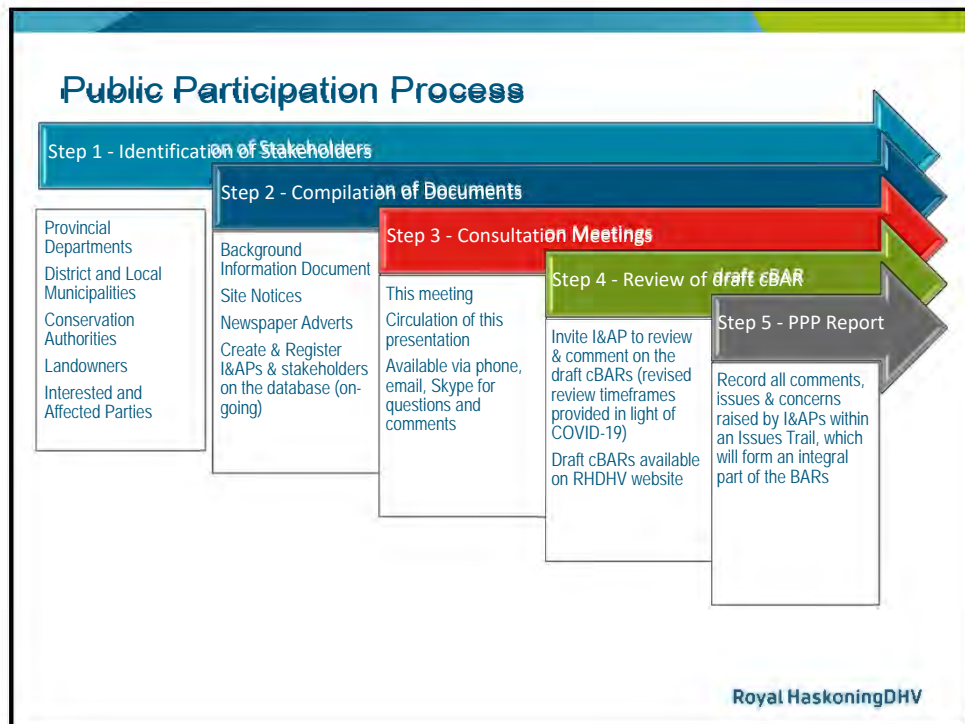
- Appoint Environmental Control Officer
- All other necessary permits, licences and approvals must be obtained prior to the commencement of construction
- The Transnet Service Road must be re-gravelled (150 mm thick over width) before construction
- Prior to site clearance, a detailed 'walkthrough' must be conducted of the proposed site to ascertain the number, abundance and physical conditions of all protected tree species to assist with permit applications (DEFF)
- Prior to site clearance, a detailed 'walkthrough' must be conducted of the proposed site to ascertain the number, abundance and physical conditions of all protected plant to assist with permit applications (NCDENC)
- A 250 m buffer must be demarcated around the rocky outcrop to the north of the study area
- A construction and operational phase bird monitoring programme must be implemented by a bird specialist, to document potential impacts on key species such as korhaans, bustards and eagles, and must include the ongoing monitoring of the active Verreux's Eagle and Martial eagle nest sites
- If any heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource

**Environmental Impact Statement**

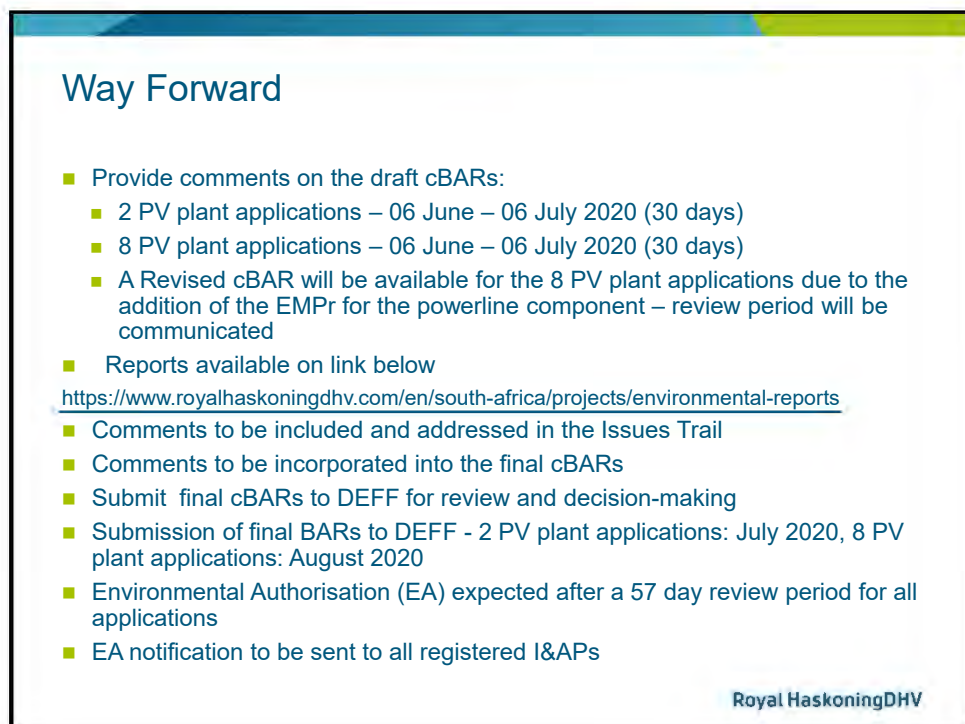
- The project, in the EAP's opinion, does not pose a detrimental impact on the receiving environment and its inhabitants and can be mitigated significantly
- The Applicant must be bound to stringent conditions (EA and EMP) to maintain compliance and a responsible execution of the project

**Royal HaskoningDHV**

46



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48

## Contact Details

**Seshni Govender (PP Consultant)**

P O Box 867 Gallo Manor 2052

Tel: +27 87 352 1592

E-mail: [Seshni.govender@rhdhv.com](mailto:Seshni.govender@rhdhv.com)

Royal HaskoningDHV

## Appendix B – Attendance register

**Basic Assessment Processes for Eight New Photovoltaic (PV) Plants & Increase in Capacity & Addition of Battery Energy Storage Systems (BESS) on Two Previously Authorised PV Plants on The North-Eastern Portion of the Remaining Extent (RE) of the Farm Bokpoort 390, Groblershoop**



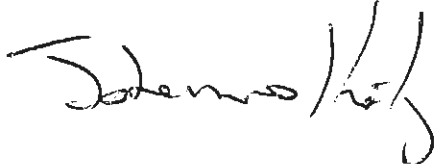

**Focus Group Consultation**

Venue: !Kheis Riverside Lodge

Date: Thursday, 18 June 2020

**ATTENDANCE REGISTER**



NAME	ORGANISATION	CONTACT INFORMATION	SIGNATURE
Malcolm Roads	RHDHU	TEL MOBILE 071 674 7091 E-MAIL malcolm.roads@rhdhv.com TIME	
Guillaume de Witt	!Kheis	TEL 0724795887 MOBILE E-MAIL gejj.deWitt@gmail.com TIME	
	Kleinbigin Plese	TEL MOBILE 082 4527055 E-MAIL TIME	

## **Appendix C – File Handed to RHDHV for inclusion into BA Report**

A





UPINGTON

✓ KyDas 12/6/2020

BALLIE : 1 2 3 4 5 6

TAXI : 1 2

MOTOR : 1 2 3 4 5 6 7

URAG MOTOR : 1

G-HOOF

BALLIE. : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

TAXI : 1 2 3

MOTOR : 1 2 3 4 5 6 7 8

URAG MOTOR : 1





Ulysses Annal 12/12/20 CPington

Balkie { 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 }

TAXI { 1 2 }

MOTOR { 1 2 3 4 5 6 7 }

URAG Motor { 1 2 }

G- Hour

Balkie { 1 2 3 4 5 6 }

TAXI { 1 2 }

MOTOR { 1 2 3 4 }

URAG Motor { 1 }



B



8 June 2015

Project No. 1400951

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED BOKPOORT II SOLAR  
POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR  
GROBLERSHOOP, IKHEIS LOCAL MUNICIPALITY, NORTHERN CAPE**

**PROGRESS FEEDBACK LETTER**

Dear Stakeholder,

We would like to thank the many stakeholders who have contributed to the proposed Bokpoort II Solar Power Development to date. It has been some months since our last communication and we would like to take this opportunity to inform you of further developments on this proposed project.

As part of the regulatory process, a discussion was held with the competent authority, the Department of Environmental Affairs (DEA), and they have provided valuable guidance on the way forward.

**Submission of three applications**

Stakeholders may recall that the applicant applied for three different technologies, by means of six different applications, on the proposed site, namely Photovoltaic (PV) solar power plant technology, Concentrated Solar Power (CSP) parabolic troughs and CSP towers. The applicant, ACWA Power Africa Holdings (Pty) Ltd (hereinafter referred to as ACWA Power), has since performed an in depth analysis of the proposed project and has now optimised the project development to include only three applications. Two of these applications would each be for the construction of a 100 MW CSP tower and a third application would be for a 75 MW PV solar power plant. As per the requirements of the DEA, none of the proposed technologies or associated infrastructure will be overlapping.

Figure 2 provides an illustration of the proposed combined solar development and associated infrastructure layout, Figure 3, Figure 4 and Figure 5 illustrate the individual site layout plans; one for each of the three individual applications. This revised project configuration will be described in three separate scoping reports, one per technology application. These scoping reports will be made available in draft form for your comment in the weeks ahead.

**Implications of amended applications to I&APs**

It is important to note that while the project configuration that was communicated to I&APs, both in writing and at the Public Meeting held on **Wednesday, 18 February 2015** has now been refined into three non-overlapping site plans, the technical content of the applications and the description of the technologies and the environment as described in the combined Scoping Report, have not changed.

**All stakeholder comments received to date on the combined application will be included in the amended applications, but stakeholders will also be provided with another opportunity to comment on the three revised draft Scoping Reports.**

**Timeframe – specialist studies**

The Department has specifically requested that bird and bat monitoring be conducted for the applications that include the CSP towers. The EIA timeline is being revised to align with this extended bird and bat monitoring program.

**Way forward**

Once the three Draft Scoping Reports are available, stakeholders will be informed of this, and will be invited to submit further comments on these applications. Please note that all stakeholders who have already registered as I&APs will be carried forward into the new EIA processes (one for each project) and all of your issues raised to date will be retained in the new EIA processes.

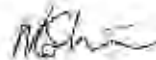
We look forward to your further participation in the EIA process and would like to provide you with a 21 day comment period to raise any comments on the revised site plans which follow this letter. Should you have any questions, need more information or wish to comment, please contact Erika du Plessis at the Public Participation Office at: (011) 254 4800; fax (086) 582 1516 or email: [eduplessis@golder.co.za](mailto:eduplessis@golder.co.za) by 29 June 2015. Please feel free to use the attached comment sheet to submit any additional comments or to update any contact details.

Yours sincerely

**GOLDER ASSOCIATES AFRICA (PTY) LTD.**



Erika du Plessis  
Senior Public Participation lead



Marie Schlechter  
EIA Project Manager

Attachments: Maps



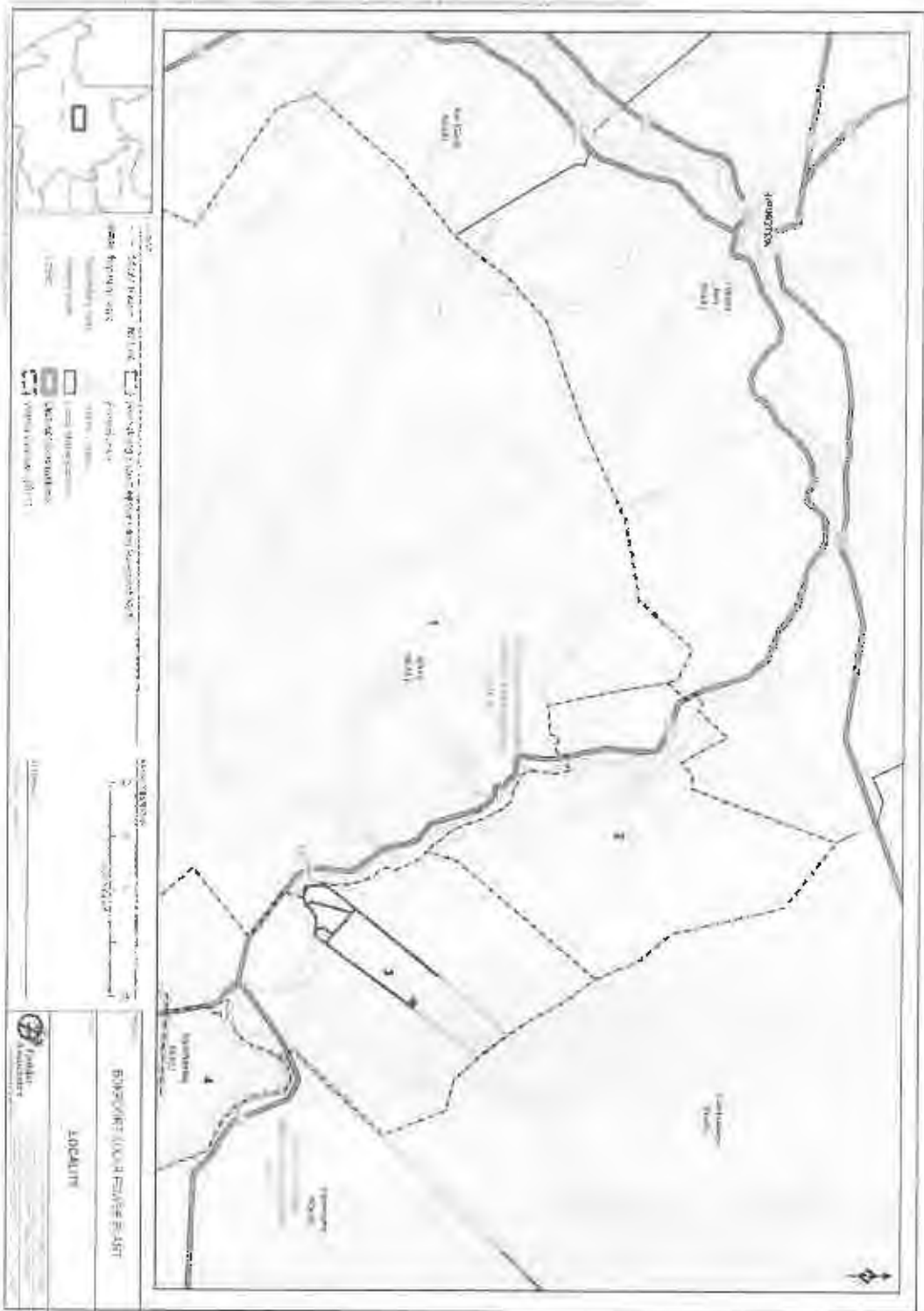


Figure 1. Locality Map for the proposed Bokpoort II Solar Development.



- LEGEND**
- Main Road to Bekopong Phase 2
  - Multi-Phase Bekopong Phase 1
  - Water-Land Boundary
  - Bekopong Solar Complex - Phase 2 Density
  - Access Road
  - PV Experience - TAMAN
  - 2000 Solar Panel Project Area - 200000
  - Temporary Overpass Road by
  - Extension Road
  - Existing Infrastructure (Highway)
  - Main Road (KORIDOR 27/18/173-27/18/205)

Figure 2. Proposed Project Layout for the Bekopong II Solar Development

REVISIONS		NO.	DATE	DESCRIPTION	BY	CHECKED BY
1						
2						
3						

PROJECT NO.	01/2023
PROJECT NAME	Bekopong II Solar Complex
CLIENT	PT. BAKOPONG
DESIGNER	PT. BAKOPONG
DATE	2023
SCALE	1:1000
PROJECT LOCATION	Bekopong II, Banyuwangi
PROJECT STATUS	Final Design
PROJECT MANAGER	PT. BAKOPONG
PROJECT ENGINEER	PT. BAKOPONG
PROJECT ARCHITECT	PT. BAKOPONG
PROJECT SURVEYOR	PT. BAKOPONG
PROJECT PHOTOGRAPHER	PT. BAKOPONG
PROJECT DRAFTER	PT. BAKOPONG
PROJECT CHECKER	PT. BAKOPONG
PROJECT APPROVER	PT. BAKOPONG









**Environmental Impact Assessment Process for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, IKheis Local Municipality, Northern Cape**



**Registration and Comment Sheet for new I&APs**

June 2015

IF YOU HAVE ALREADY SUBMITTED A REGISTRATION SHEET AND COMMENTS YOU DO NOT NEED TO DO SO AGAIN. YOU ARE REGISTERED AND YOUR COMMENTS WILL BE CARRIED OVER TO THE NEW PROCESS.

PERSONAL DETAILS			
Name	Surname	Title	Organisation / Department (if applicable)
CONTACT INFORMATION			
Cell Number	Land Line Contact Number	Fax Number	Preferred Language
	Office		
	Home		
Email address	Postal Address		Postal code
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?			
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops			YES
			NO
Preferred Method of Communication (Mark with an X)	Mali	E-mail	Fax
Alternate Method of Communication (Mark with an X)	Mali	E-mail	Fax
In terms of GNR 982 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:	Date		
	Signature		

**COMMENT(S)** *You are welcome to use more pages should you so wish.*

I have the following comments to make regarding this project and/or the public consultation process:

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Please register the following people as Interested and Affected Persons for this EIA process:

NAME	CONTACT DETAILS

**PLEASE RETURN THE REGISTRATION AND COMMENT SHEET TO:**

Golder Associates Africa  
**PUBLIC PARTICIPATION OFFICE**  
 Erika du Plessis  
 P.O. Box 6001, Halfway House, 1685  
 Tel. +27(0)11 254 4894, Fax: +27(0)86 582 1561  
 E-mail: [eduplessis@golder.co.za](mailto:eduplessis@golder.co.za)  
 Website: <http://www.golder.com>

**THANK YOU**







## Memorandum of Understanding

Between

**ACWA Power SolAfrica Bokpoort CSP, BOKPOORT EPC and Department of Roads and Public Works  
Northern Cape Province**

This document recognizes the agreement of the parties to the following actions and points:

- This agreement covers an approximately 16 km portion of Gariep Rd. from the origination point at N8 to the tarred overpass of the railroad (travelling northwest from N8). See attached map.
- The road is a Provincial Road open to the public and owned and maintained by the Department of Roads and Public Works Northern Cape Province. The road in question is of gravel construction and complies with the standards of the Department of Roads and Public Works (DRPW) – at the time it was constructed. It is currently in a condition which has been reviewed by all parties and documented through a video/photographic report prepared by the Project on or about November 22, 2013 and submitted to the parties as Annex 1 of this document.
- The Bokpoort CSP Project will be a new user of the road for the next two years in order to transport the workers and the goods and equipments to the site during the construction of the plant.
- Per this agreement the Bokpoort CSP Project acknowledges that it's willing to collaborate with the DRPW to ensure the condition of the road is maintained in a suitable condition for safe travel for the project and the public.
- To ensure that the condition of the road is maintained DRPW will continue its program of maintenance and scheduled upgrading of the road.
  - This will include running a scrapper on the road with a frequency of not less than once each 4-6 week period.
- The Project will provide supplemental maintenance to repair, improve or resurface the road at a frequency to be determined by the condition of the road to ensure that the condition of the road does not deteriorate past its current state as approved by the District Roads Engineer or Resident Engineer of divisional council.
- The DRPW authorizes and endorses the Project to perform such maintenance such that is required to maintain the condition of the road.
- All work by the Project on the road will be performed to the applicable standards of the DRPW. (The standards are attached as Annex 2 of this MOU)
- For safety and traffic reasons construction must be executed with necessary road signs, flagmen and safety precautions required by the DRPW.
- The DRPW agrees to hold the Project (ACWA and Bokpoort EPC) harmless for any road maintenance which is done in accordance with road authority approved procedures and practices as any contractor performing such maintenance would be held harmless unless negligence on the part of Project or contractor can be proven.

- If any legal action is initiated by the public for work properly performed in accordance with DWPR Procedures and Norms by the Project the DWPR will provide such support to the Project as they would to any other contractor performing work for the DWPR of authorized work.
- Any damage to the road, road surface, signs, crossings, or private property produced by the project, will be promptly repaired by the contractor.
- The contractor shall not cause any unreasonable restriction of the public road(s) concerned by their actions.

This forms the complete agreement and scope of the services for this MOU.

Signed ...

**ANNEX 3**

**REPORT ON THE STATUS OF THE ROAD PRIOR TO THE USE OF SUCH ROAD BY THE PROJECT**

(add a copy of the report in a CD)

ANNEX 2

DIRPW STANDARDS FOR WORKS ON GARIEP ROAD

(add the document)

**From:** GLottering <GLottering@vodamail.co.za>  
**Sent:** Friday, 29 November 2013 3:42 PM  
**To:** Jaco Raelofse 'R Paim'  
**Cc:** Pieter Kotze  
**Subject:** FW: Pad onderhoud Sol Africa

Hi Jaco

Ek verwys weer graag na die onderstaande mail. Ons ondervind regtig groot probleme rakende die paaie wat gebruik word deur die Solar Plant ontwikkelaars. Laat weer asb wat die Departement kan of mag doen om druk te plaas op die kontrakteurs om wel onderhoud op die betrokke paaie te doen. Die gemeenskap plaas druk op die Streek kantore om aandag aan die situasie te gee.

Groete

Gerhard

---

**From:** GLottering [mailto:GLottering@vodamail.co.za]  
**Sent:** 01 November 2013 12:03 PM  
**To:** Jaco Raelofse  
**Cc:** Pieter Kotze (0825780900@vodamail.co.za)  
**Subject:** Pad onderhoud Sol Africa

Hi Jaco

Ek verwys na ons telefoniese gesprek van Wo 30 Oktober 2013 rakende die onderhoud van paaie deur die verskillende Solar Plant organisasies. Huidiglik soos jy weet is daar orals Solar Plant ontwikkelings in die streek. Dit wil voorkom asof die Departement (Roads & Public Works) om een of ander manier ge "bypass" word tydens die EIA proses om enige insette/voorwaardes te stel alvorens die projek goedgekeur word.

Volgens jou inligting aan my, is daar 'n document beskikbaar waar ons (Dep) kan aandrang op die goedgekeurde hersonering en voorwaardes wat gestel is tydens die EIA proses. Ek sou ook dink dat die betrokke firma wat wel die EIA proses hanteer het, (Macroplan in hierdie geval) wel moet toesien dat die voorwaardes nagekom moet word.

Ek heg vir jou skrywes aan soos ontvang van Mnr Kotse, plaaslike boer van die omgewing asook notule van die gemeenskaps/inligtings vergadering waarin daar duidelik beloftes gemaak is rakende die onderhoud van die pad, MR 874.

Wat staan ons te doen om druk te plaas op die ontwikkelaar om wel die pad instand te hou?

Thank

*Gerhard Lottering*

Cell: 076 421 8114  
Email: [glottering@vodamail.co.za](mailto:glottering@vodamail.co.za)

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No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2014.0.4259 / Virus Database: 3629/6877 - Release Date: 11/29/13





soetwater@lantic.net

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From: Nasi Rwigema <nasi@solafrica.co.za>  
Sent: Friday, 11 October 2013 11:29 AM  
To: P Kotze  
Cc: dross@parliament.gov.za; 'Glottering'; Marc Immerman; Mike Goldblatt  
Subject: RE: This Morning's Discussion

Dear Mr. Kotze,

Thank you for your email.

Solafrica was involved in several permit application procedures that were carried out in support of the project development. Where applicable these applications were managed by independent consultants in terms of the relevant regulations. Information conveyed as part of application documents and public comment engagements is recorded within the documentation trail associated with each license or permit that was received as part of the project development.

All licenses and permits obtained in support of the development, along with the conditions of those licenses, have been taken over by the project company ACWA Power Solafrica Bokpoort CSP Project (Pty) Ltd. Solafrica is not a shareholder of this company and has transferred all required licenses to the project company. The project company is therefore responsible for meeting the license conditions if any.

The intention of Solafrica is not to be obstructive. However, it is important to clarify that all licenses and their conditions are the responsibility of the project company as the license holder. This is the reason that I referred you to Mr. Janick. Further, we do not believe that any misrepresentation was made in the public consultation meetings and that the representations made have been carried through in the permitting processes and form a part of the approved permits - particularly in the Project's Environmental Management Plan which you should be able to get from Mr Janick or the Dept of Environmental Affairs. The EMP includes road maintenance amongst other items.

As an aid, the public participation meeting held in the NG Church Hall on 18 April 2011 was in support of a Land Use Application (and was not as part of the EIA) for which Macroplan Town and Regional Planners and Architects ("Macroplan") was the independent application consultant and iKheis Municipality was the regulatory authority. You would recall that the representative from Macroplan was an hour late for the meeting and hence the draft minutes were prepared by Solafrica. Please find attached the draft minutes that Solafrica circulated to Macroplan following the meeting. Macroplan had the responsibility of finalising the minutes and distributing them to the appropriate parties as required by the application regulations.

Please request the final meeting minutes from Macroplan at the below details. As noted, any "solution regarding the upgrade of the road" must be addressed with the project company.

Macroplan  
P o Box 1444  
Durbanville  
7551  
Tel : (021) 975-2307  
Fax : (021) 975-2619  
e-mail : yvetted@macroplan.co.za

Best Regards,  
Nasi Rwigema

**From:** P Kotze [mailto:0825780900@vodamail.co.za]  
**Sent:** 11 October 2013 08:36 AM  
**To:** Nasi Rwigema  
**Cc:** dross@parliament.gov.za; 'Glottering'  
**Subject:** RE: This Morning's Discussion

Mr. Rwigema

Re: Road 874

Our discussion yesterday morning was in regards of promises made at the EIA public participation meeting, held in the NG Church hall, Groblershoop.

I asked you to send the minutes and the attendance register of the above mentioned meeting.

I have discussed the statements made by you regarding the upgrade of the road, with some of the people present at the said meeting. They are also of the opinion that there was a definite discussion about the upgrade and maintenance of the road when construction starts. Tarring of the road was also discussed.

Because of promises made by you at the EIA public participation meeting we did not lodge objections regarding the road and/or the project. If you had told the meeting that no upgrade would be done, we would have pursued the matter regarding the maintenance and upgrade of the road.

To tell me to contact Mr. Mark Janick of ACWA Power does not condone your miss representation at the EIA meeting.

I await the discussed documents and a solution regarding the upgrade of the road.

Regards

Peter Kotze

---

**From:** Nasi Rwigema [mailto:nasi@solafrica.co.za]  
**Sent:** 10 October 2013 11:10  
**To:** 0825780900@vodamail.co.za  
**Subject:** Re: This Morning's Discussion

Dear Mr. Kotze,

Thanks for your call this morning, I have discussed it internally with my Solafrica team and we have relayed your message to the Project Director of the project company. As mentioned they are in control of the project and the correct procedure would be for you to discuss with them. Please contact Mr. Mark Janick, his details are below:

**Mark Janick | Project Director**  
ACWA Power SolAfrica Bakpoort CSP

 ACWA POWER

3rd Floor | Fredman Tower  
13 Fredman Drive | 2196 Sandton | South Africa  
Office: +27 117224110  
Mob (SA): +27 747506024

[mjanick@acwapower.com](mailto:mjanick@acwapower.com) | [www.acwapower.com](http://www.acwapower.com)

I'm sorry I can't be of more help.

Best Regards  
Nasi Rwigama  
SolAfrica

Tel: +27 (0) 11 268 4074  
Fax: +27 (0) 86 648 1006  
Mobile: +27 (0) 83 324 2097  
Email: [nasi@solafrica.co.za](mailto:nasi@solafrica.co.za)

2nd floor, 5 Commerce Square, 39 Rivonia Rd, Sandhurst, South Africa  
Private Bag x11, Northlands, 2116, South Africa

No virus found in this message.  
Checked by AVG - [www.avg.com](http://www.avg.com)  
Version: 2014.0.4142 / Virus Database: 3604/6727 - Release Date: 10/06/13

No virus found in this message.  
Checked by AVG - [www.avg.com](http://www.avg.com)  
Version: 2014.0.4158 / Virus Database: 3614/6741 - Release Date: 10/11/13







**From:** andre kruger <krugerandre96@gmail.com>  
**Sent:** Friday, 18 December 2015 9:18 AM  
**To:** 0825780900@vodamail.co.za  
**Subject:** Fwd: Proposed Meeting to discuss future of Gariep Road

HI, VIR JOU REKORDS EN INLIGTING  
GROETE ANDRÉ

----- Forwarded message -----

**From:** andre kruger <krugerandre96@gmail.com>  
**Date:** Fri, Dec 18, 2015 at 9:16 AM  
**Subject:** Re: Proposed Meeting to discuss future of Gariep Road  
**To:** Nandu Bhula <nbhula@acwapower.com>

GOOD DAY NANDU,  
THANKS FOR CONFIRMATION OF OUR TELECON.  
IF POSSIBLE I WOULD LIKE TO OBTAIN THE FULL CONTACT DETAILS OF THE PERSON OR  
PEOPLE WHO WILL CONDUCT THE EIA ON THE GARIEP ROAD AS PER YOUR INSTRUCTION  
TO ENABLE US TO ADDRESS OUR CONCERNS TO THEM AS WE HAD DONE TE ROYAL  
HASKONING FOR SANDDRAAI.  
WE APPRECIATE THE CONCERNS THAT ACWA HAVE AND BELIEVE WE CAN FIND AN  
AMICABLE SOLUTION TO ALL CONCERNED SATISFACTION BUT WE CANNOT BEAR THE  
DAMAGES ALREADY SUFFERED MUCH LONGER.  
FROM OUR SIDE WE WILL ATTEND THE PROPOSED MEETING WITH ALL STAKEHOLDERS IN  
JAN AS LAP'S AND IN OUR OWN INTEREST AS A MATTER OF URGENCY.  
PLEASE BE AWARE THAT WE WILL INSIST ON WRITTEN CONTRACTUAL AGREEMENTS .  
WE ARE SURE THAT IF ALL THE DEVELOPERS CLUB IN AND SHARE THE COSTS THAT THE  
EXPENSE TO EACH WILL BE AN INVESTMENT FOR THE NEXT 25 YEARS IF ALL RELEVANT  
SAVING FACTORS ARE TAKEN INTO CONSIDERATION  
THANKS AND HAVE AN BLESSED TIME  
ANDRÉ KRÜGER 072 303 5805.

On Tue, Dec 15, 2015 at 4:04 PM, Nandu Bhula <nbhula@acwapower.com> wrote:

Good Day All

I have had a conversation with Mr Andre Kruger regarding the concerns on the future of  
Gariep Road and possibilities of improvements of the surface. He mentioned the  
concerns regarding the road condition from the farmers and other affected stakeholders  
and I tabled the issues that we have been already trying to address. He also mentioned  
concerns regarding future project at Sandraai and Bokpoort 2.

I have mentioned that I can only at this stage speak on behalf of Bokpoort CSP and I  
have explained the following:

1. Based on concerns raised previously and our own experience, we had done a feasibility and costing analysis for consideration to tar the road (South of Transnet Bridge as the access road for our site)
2. We have also approached the provincial authority who indicated that they would contribute to the costs. Eskom and Transnet also responded positively but none of them committed to any funds in support.
3. We as Acwa Power Bokpoort proceeded to go out on tender to find an acceptable solution.
4. Tenders received were extremely expensive and thus our Board has asked us to find alternatives for consideration if possible.
5. In the meantime, we were mandated to continue with the EIA for the upgrade of that section of road.
6. I also explained that Bokpoort will be undertaking some maintenance on the road and will be applying a dust suppression layer to improve the current condition further (we are also reviewing possible means to establish a long term maintenance option – note this applies to our access roads as per our EMP only)

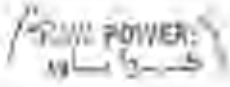
Mr Kruger highlighted concerns with upcoming projects but also indicated that the stakeholders in the community do understand the value of these projects but require some commitment from the developers to improve on the condition of the road prior to them giving support to new developments. I have agreed to set up a meeting with the local Farming stakeholders, New developers, Municipality and other large users like Namakwa. We will aim at setting this up middle to end January when all return from the holidays. There is also several possibilities of setting up a community based initiative that can accomplish our objectives in a cost effective way and bring employment and other opportunities to the local residents and stakeholders.

I trust that you as a key stakeholder will be available to attend. We will confirm date and venue.

Thanks and Regards

**Nandu D Bhula**  
CEO Acwa Power SolAfrica Bokpoort CSP Power Plant





T + 27 11 722 4122  
M + 27 83 235 1928  
F + 27 11 722 4113  
[acwaapwer.com](http://acwaapwer.com)

7<sup>th</sup> Floor, 90 Grayston Drive  
Sandton, 2196  
P.O. Box 650200, Benmore, 2010  
South Africa

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the dr&pw

Department:  
Roads and Public Works  
NORTHERN CAPE PROVINCE  
REPUBLIC OF SOUTH AFRICA

UPINGTON  
P.O. Box 438, UPINGTON, 8800  
31 La Roux Street,  
Provincial Building,  
UPINGTON, 8600  
TEL: 054 - 332 4473  
FAX: 054 - 332 4475

Enquiries : S.M. Mhlongo  
Reference : L2.1.2.9/7  
Date : 28 May 2013

ACWA POWER SOLAFRICA BOKPOORT  
CSP POWER PLANT (PTY) LTD  
PRIVATE BAG X11  
NORTHLANDS  
2116  
SOUTH AFRICA

FOR ATTENTION: MR NASI RWIGEMA

GARIBET ROAD ALTERATION

1. Your request dated 23 May 2013, received in my office on 23 May 2013 refers.
2. Attached are the standard conditions (Std Con.) in connection with the laying of pipes etc. under or along roads and must be complied with all times during the installation of water pipe with special referral clauses.
3. The Department of Roads and Public Works (DRPW) has no objections against the work proposed under the conditions laid down in Act No. 21 of 1940, Advertising on Roads and Ribbon Development, Roads Ordinance, 19 of 1976. The following standard conditions must be complied with when installing water pipe along and across MR874: -
  - 3.1 Where a water pipe crosses a public road, it must be placed in a sleeve pipe of sufficient diameter over the full statutory width of the road, which sleeve pipe must be laid at a depth of at least one (1) metre below ground level for the full statutory road width (Std Con. - Clause 1.6).
  - 3.2 The sleeve pipe must be laid at right angles across the road at least one (1) metre below road level (Std Con. - Clause 1.6.3).
  - 3.3 All excavations within the statutory road width must be reinstated to a satisfying condition of its original state and backfilling material must be of subbase and base quality stabilized with 2% cement and compacted in 150mm layers at 95% Mod. AASHTO density.
  - 3.4 Where the pipe crosses MR874, it must be laid away from fill section of the bridge, at about ±400m (measured from the bridge concrete balustrade).

- 3.5 Suitable non-weathering material must be placed at a depth of 0.5 metre above the sleeve pipe to define clearly the depth of such sleeves and to serve as a warning device (Std Con. - Clause 1.9.1).
- 3.6 If any fence along the road boundaries is removed by the applicant or is damaged through his activities, it must be restored to the original standard. (Std Con. - Clause 1.11).
- 3.7 The applicant will bear all costs incurred by the department in repairing a permanent surface which as a result of latent defects has failed within twelve (12) months after being reinstated.
- 3.8 For safety and traffic reasons construction must be executed with necessary road signs for proposed work and the road signs must be erected to conform to SA Road Traffic Signs Manual including overnight signs.
- 3.9 You will be responsible for liaison and co-ordination work with other concerned authorities and individuals.
- 3.10 The official in charge of the construction work on the site must at all times, be in possession of a complete copy of the letter of approval, as well as all plans that are required and are referred to in the correspondence.
- 3.11 The conditions of this wayleave are applicable to you as well as your successor-in-title (where applicable). If property rights transferred to any other person or institution, it will be your responsibility to bring contents of this wayleave to the attention of your successor-in-title as the conditions of this wayleave together with your property rights will be transferred to your successor-in-title and will be still applicable.
- 3.12 This approval does not impede provision of any other act of the ordinance.
4. The approval for the upgrade of the gravel portions of the Gariop road will be considered upon furnishing of the detailed proposal and drawings of your intentions. This is necessary as the road will remain the property of DRPW and for future maintenance purposes.

**The work shall be only carried out provided the above-mentioned conditions are accepted in writing. You are requested to furnish this office with a written notice 14 days prior to commencement of construction and shortly before completion in order to make necessary arrangements for inspection and to enable an official from this office to give final approval.**

Please contact me if any further discussion is needed.

Yours Sincerely,



M. F. Tawine  
**REGIONAL ENGINEER: SIYANDA  
UPINGTON**

E



**ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING SOLAR THERMAL POWER PLANT  
ON THE FARM BOKPOORT 390, KHEIS LOCAL MUNICIPALITY**

**ATTENDANCE REGISTER:  
GRANJE RIVER WINE CELLAR  
12 OCTOBER 2010  
14H00-17H00**



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Stephen van Zyl	Boggsberg Water Users Association	P.O. Box 36	TEL:	
			FAX:	
			MOBILE: 082 206 2046	
			E-MAIL: turbine@lantic.net	
Wilco Fourie	B&E Pumps, SANDRANI	POSBUS 52 GROBLERSHOP 8850	TEL: 054 833 0486	
			FAX: 086 675 1778	
			MOBILE: 082 789 6207	
			E-MAIL: wilcofourie@lantic.net	
Nasi Kwigemba	Project Manager Solafrica	Private Bag #11, Northlands 2116, South Africa	TEL: 011 268 6074	
			TEL:	
			FAX: 086 648 1006	
			MOBILE: 083 324 2097	
			E-MAIL: nasi@solafrica.co.za	
TEL:				

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING SOLAR THERMAL POWER PLANT  
ON THE FARM BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
ORANJE RIVER WINE CELLAR  
12 OCTOBER 2010  
14H00-17H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Charlotte Grobelaar	Botlweid - SSI Environmental	PO BOX 867 Challa Manor 2082	TEL: 011 798 6439	
			FAX: 011 798 6010	
			MOBILE:	
			E-MAIL: charlottedg@ssi.co.za	
DIRK NORTJÉ	Boer	Postbus 110 Grobelaarskop 8850	TEL: 054 833 0709	
			FAX:	
			MOBILE: 082 8202307	
			E-MAIL: djnboer@kentic-nat	
W. VAN KEEK	Boer	Postbus 325 Grobelaarskop 8850	TEL: 014 363 8461	
			TEL: :	
			FAX:	
			MOBILE:	
			E-MAIL:	
			TEL: :	



ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF A 76 MW CONCENTRATING SOLAR THERMAL POWER PLANT  
ON THE FARM BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
ORANJE RIVER WINE CELLAR  
12 OCTOBER 2010  
14H00-17H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Tony van Luijck	MATCH AFRICA Consulting Engineers	14 Upperwoodlane 2 (Riv. Park) Western Sevens Road WOODMEAD	TEL: 011 612 4367 FAX: 011 239 5790 MOBILE: - E-MAIL: t.vanluijck@match.co.za	
			TEL: FAX: MOBILE: E-MAIL:	
			TEL: TEL: FAX: MOBILE: E-MAIL: TEL:	

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING SOLAR THERMAL POWER PLANT  
ON THE FARM BOKPOORT 380, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
KHEIS LOCAL MUNICIPALITY  
13 OCTOBER 2010  
09H00-11H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Nasi Rwigema	Project Manager Solaffrica	Private Bag 211, Northlands 2118 South Africa	TEL: 011 268 4074 FAX: 086 648 1008 MOBILE: 083 824 2097 E-MAIL: nasi@solaffrica.co.za	
Charlotte Grobelaar	Bohtweki - SSI Environmental	PO BOX 867 Gallo Manor.	TEL: 011 798 6435 FAX: 011 798 6010 MOBILE: charlotteg@ssi.co.za E-MAIL:	
TONY VAN LUIPEN	HATCH AFRICA Consultant	PRIVATE BAG 20 GALLO MANOR	TEL: 011 612 4367 TEL: FAX: MOBILE: E-MAIL: tvanluipe@hatch.co.za TEL:	

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING SOLAR THERMAL POWER PLANT  
ON THE FARM BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
KHEIS LOCAL MUNICIPALITY

13 OCTOBER 2010

09H00-11H00




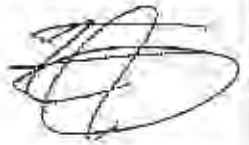
NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Nico Fante	Dept Roads and Public Works	Po Box 3132 Kimberley 8301	TEL: 053 859 2260 FAX: 053 859 2290 MOBILE: 085 451 1046 E-MAIL: nfc@mtntelco.co.za	
Pietie Lussick	Kheis Mun	P/BAG x2 Groblershoop 8850	TEL: 054-8339500 FAX: 054-8339509 MOBILE: 0799747401 E-MAIL: pietielussick@gmail.com	
Ronney v/o Westphalen	Kheis Mun	P/BAG x2 Groblershoop 8850	TEL: 054-8339500 TEL: FAX: 054-8339509/0866111376 MOBILE: 0784514414 E-MAIL: ronneywest@gmail.com TEL:	

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
LUKE SOLOMON	SOCIAL DEVELOPMENT	P.O. Box 5893 Winington 3800	TEL: 054 2379409 FAX: 054 2392347 MOBILE: 082 8561769 E-MAIL: LSOLOMON@WIPOR.NCAPS.GOV.ZA	Luke
			TEL: FAX: MOBILE: E-MAIL:	
			TEL: FAX: MOBILE: E-MAIL:	
			TEL: FAX: MOBILE: E-MAIL:	
			TEL: FAX: MOBILE: E-MAIL:	

WATER USE LICENCE APPLICATION FOR THE CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING THERMAL SOLAR POWER PLANT ON THE FARM  
BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
DEPARTMENT OF WATER AFFAIRS  
PRESENTATION FORUM - 14 SEPTEMBER 2010  
09H00-12H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
TUMELO RANDEKANE	DWA UPINGTON	P/BAG X5910 Upington 8800	TEL: 054-338 5800	
			FAX: 0866626227	
			MOBILE: 0722417783	
			E-MAIL: ranbekane6@dwa.gov.za	
ERNEST KUBAYI	DWA UPINGTON	P/BAG X5912 UPINGTON 8800	TEL: 054 338 5800	
			FAX: 054 334 0205	
			MOBILE: 082 8883764	
			E-MAIL: kubayi2@dwa.gov.za	
			TEL:	
			TEL:	
			FAX:	
			MOBILE:	
			E-MAIL:	
			TEL:	

WATER USE LICENCE APPLICATION FOR THE CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING THERMAL SOLAR POWER PLANT ON THE FARM  
BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
DEPARTMENT OF WATER AFFAIRS  
PRESENTATION FORUM - 14 SEPTEMBER 2010  
09H00-12H00






NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Charlotte Grobbelaar	SSI Environmental (EAP)	PO BOX 887 Gallo Manor 2052	TEL: 011 798 6435	<i>Charlotte Grobbelaar</i>
			FAX: 011 798 6010	
			MOBILE: 082 729 4490	
			E-MAIL: charlabbeg@ssi.co.za	
Lynette Jones	Hatch Africa Energy - Engineering Consulting	Building 09 Cambridge Park Highveld Techno Park	TEL: 011 844 1525	
			FAX: 011 612 9614	
			MOBILE: 08375 11948	
			E-MAIL: ljones@hatch.co.za	
Michael Goldblatt	Solafrica	2nd Floor, 5 Commerce Square, 39 Rivonia Rd, Sandhurst 2196, Johannesburg	TEL: 011 268 4048	<i>Michael Goldblatt</i>
			TEL: *	
			FAX: <del>011 268 4048</del>	
			MOBILE: 082 337 9792	
			E-MAIL: mike@solafrica.co.za	
			TEL:	

WATER USE LICENCE APPLICATION FOR THE CONSTRUCTION AND OPERATION OF A 75 MW CONCENTRATING THERMAL SOLAR POWER PLANT ON THE FARM  
BOKPOORT 390, KHEIS LOCAL MUNICIPALITY

ATTENDANCE REGISTER:  
DEPARTMENT OF WATER AFFAIRS  
PRESENTATION FORUM - 14 SEPTEMBER 2010  
09H00-12H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Shaun Cloete	Department of Water Affairs Upington	Private Bag 75912 Upington 8800	TEL: 054 - 588 5800	
			FAX: 054 - 334 0203	
			MOBILE: 0835 333642	
			E-MAIL: cloetes@dwa.gov.za	
Donita Hohne	Dept of Water Affairs Upington	"	TEL: 054 338 5851	
			FAX: 054 334 0205	
			MOBILE:	
			E-MAIL: hohned@dwa.gov.za	
Henry Abbott	DWAF	"	TEL: 054 338 5800	
			TEL:	
			FAX:	
			MOBILE: 082 808 0471	
			E-MAIL: habbott@dwa.gov.za	
			TEL:	

NOTICE OF INTEGRATED WATER USE LICENSE APPLICATION FOR THE CONSTRUCTION OF A 75 MW CONCENTRATING THERMAL SOLAR POWER PLANT ON THE FARM BOKPOORT, IKHEIS LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

ATTENDANCE REGISTER:  
 DEPARTMENT OF WATER AFFAIRS: NATIONAL  
 FOCUS: GROUP MEETING - 28<sup>th</sup> OF SEPTEMBER 2010  
 09H00 - 11H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Peter Lyke	DWA Options Analysis	P/Bag X313 Pretoria 0001	TEL: 012 336 8192 FAX: 012 336 7399 MOBILE: 082 809 5290 E-MAIL: peterp@dwa.gov.za	
Peter N Niekesh	DWA, WLEng. Exp.	"	TEL: 012 336 8762 FAX: 012 323 1532 MOBILE: 082 807 4981 E-MAIL: niekes@dwg.gov.za	
Janus van Rooyen	DWA : NWKP	"	TEL: 012 336 8814 TEL: FAX: MOBILE: 082 808 5152 E-MAIL: VanRooyen@dwa.gov.za TEL:	



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
SEEF VADENEYER	CHIEF ENGINEER DWA: NWRP (C)	P/BAG Y313 PRETORIA 0001	TEL: (012) 336-8358 FAX: MOBILE: 0828092338 E-MAIL: vadeneyer5@dwa.gov.za	
Dragana Ristic	Deputy Chief Eng. DWA: NWRP (C)	— 4 —	TEL: 012 336 8302 FAX: 012 336 8295 MOBILE: 0829045636 E-MAIL: Ristic.D@dwa.gov.za	
Charlotte GrabbeLaur	Bathlweti - SEI Environment Unit	PO Box 867 Gallo Manor 2052	TEL: 011 798 6435 FAX: 011 798 6010 MOBILE: 082 729 4490 E-MAIL: charlotteg@sei.co.za	GrabbeLaur
			TEL: FAX: MOBILE: E-MAIL:	
			TEL: FAX: MOBILE: E-MAIL:	

NOTICE OF INTEGRATED WATER USE LICENSE APPLICATION FOR THE CONSTRUCTION OF A 75 MW CONCENTRATING THERMAL SOLAR POWER PLANT ON THE FARM BOKPOORT, IKHEIS LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

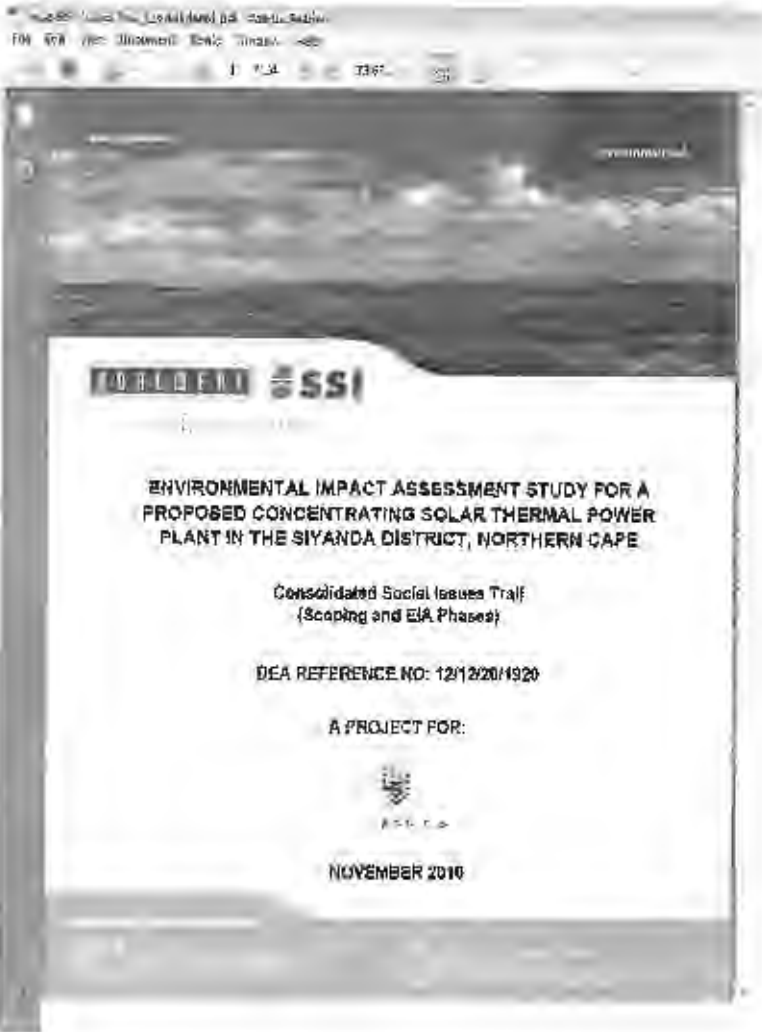
ATTENDANCE REGISTER:  
 DEPARTMENT OF WATER AFFAIRS: NATIONAL  
 FOCUS GROUP MEETING - 28<sup>th</sup> OF SEPTEMBER 2010  
 08H00 - 11H00



NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
FANG SCHOLTZ	HATCH AFRICA ENERGY		TEL: 011 844 1335 FAX: MOBILE: 082 451 8803 E-MAIL: hscholtz@hatch.co.za	
Nasi Rungma	Solafrica Thermal Energy		TEL: 011 268 4074 FAX: MOBILE: 083 324 2097 E-MAIL: nasi@solafrica.co.za	
TENGATSI MONTSIASE	DWA: (NWRA)	DWA P O BOX 1313 PRETORIA 0001	TEL: 012 536 8603 TEL: CELL: 028 662 1910 FAX: 012 336 2295 MOBILE: E-MAIL: TEL:	

F





ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A PROPOSED CONCENTRATING SOLAR THERMAL POWER PLANT IN THE SIYANDA DISTRICT, NORTHERN CAPE CONSOLIDATED SOCIAL ISSUES TRAIL (SCOPING AND EIA PHASES)

Issue	Issue/Concern/Comment	ISAI/Conclusion	Response
	<p>option) and volume of water to be used by the plant for water-cooling purposes was raised during the meeting. The attendees wanted to know whether other cooling technologies such as hybrid wet &amp; dry-cooling systems could not be implemented for the plant.</p> <p>Who will receive the generated electricity and who will purchase the electricity from the developer.</p>	<p>(Eskom/ Eskom) 12/12/2010</p>	<p>are consulted. The Developer's engineering team will however research the possibility of implementing a hybrid cooling system which is a combination of wet/evaporative and dry-cooling technologies.</p> <p>The EIA provided an overview of the proposed Renewable Energy Feed-in Tariff (REFIT) programme and how the programme will be implemented. As a consultant, it was stated that the generated electricity will be purchased by Eskom using the pre-determined tariff stipulated in the REFIT programme. Eskom will distribute the electricity to the National Electricity Grid.</p>
	<p>What methodology was used to identify the noise impacts resulting from the plant?</p>		<p>The noise specialist assessed existing noise sources and sensitive receptors in the surrounding area. The specialist then uses a measurement device to identify the baseline noise levels of existing noise sources. Then the noise levels of the proposed plant during its operations are calculated. The specialist then determines the impact of the noise of the plant operations using measured baseline noise levels. The final product of the assessment is 'influence zone' map indicating noise contours and how these contours affect sensitive receptors.</p> <p>The gravel road from the Mt at the Bokkooer site will</p>

**ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A  
PROPOSED CONCENTRATING SOLAR THERMAL POWER  
PLANT IN THE SIYANIA DISTRICT, NORTHERN CAPE**

**Minutes of Public Meeting: Orange River Cellars**

**12 October 2010**



1. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

2. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

3. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

4. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

5. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

6. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

**7. AGREEMENTS THAT ARISE FROM THE MEETING**

7.1. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.

7.2. The meeting was held at the Orange River Cellars, 12 October 2010, at 17:00 hours.



ID#	Issue/Concern/Comment	ISAP/ Stakeholder	Response
	<p>50 will it be upgraded</p> <p>Mr MF stated that a notification should be issued to the Department of Public Works and Roads stating the exact maintenance methodologies that will be implemented and the periods for which the developer will maintain the road during the construction and operational phases. MF also advised the developer that road upgrading and maintenance can be implemented in a labour intensive manner which will be preferred by the local one provincial department.</p>	<p>Municipality (Stakeholder): 23 October 2016</p>	<p>Project: It is the intention of Solihita to upgrade and maintain the road to a certain degree. Upgrading for (Solvitich) will as a minimum entail the laying of sections of the gravel road where pits are present – this will allow for easy truck access.</p> <p>New roads will only be constructed for original access purposes of the plant site.</p> <p>Comment noted. Solihita will advise directly with the Department on the matter once the exact maintenance methodology has been determined.</p>





**DRAFT ENVIRONMENTAL MANAGEMENT PLAN (EMP) –  
SOLAFRICA CONCENTRATING SOLAR THERMAL POWER  
PLANT ON A PORTION OF THE FARM BOKPOORT 390 IN  
THE SIYANDA DISTRICT, NORTHERN CAPE**

DEA Reference no: 12/12/20/1920

A PROJECT FOR:



NOVEMBER 2010



Table 7-3: Air quality

IMPACT	AIR QUALITY	RESPONSIBILITY	FREQUENCY MONITORING REQUIREMENTS
PHASE	OPERATION	Developer	Annually
ENVIRONMENTAL MANAGEMENT PLAN			
MITIGATION	<p><i>Dust management</i></p> <ul style="list-style-type: none"> <li>1. Dust control mechanisms must be utilized to reduce the amount of dust being released</li> <li>2. Any dirt roads that are utilized by the contractor to access the site must be regularly maintained to ensure that dust levels are controlled</li> <li>3. The CSP plant's equipment must be performance tested during the commissioning phase to ensure that the manufacturer's standard has been achieved in respect of air emissions.</li> </ul>		



Environmental

**ENVIRONMENTAL IMPACT ASSESSMENT FOR A  
PROPOSED 75 MW CONCENTRATING SOLAR  
THERMAL POWER PLANT AND ASSOCIATED  
INFRASTRUCTURE IN THE SIYANDA DISTRICT,  
NORTHERN CAPE**

**Final Environmental Impact Report  
(Revision 04)**

**DEA REFERENCE NO: 12/12/20/1920**

**A PROJECT FOR:**



**FEBRUARY 2011**





Solafrica Thermal Energy One (Pty)  
Ltd

August 2011

Final Basic Assessment Report and  
Environmental Management Plan to obtain  
a Waste Management Licence for proposed  
waste management facilities associated with  
the Concentrated Solar Thermal Power  
Plant, Crookershoop

Prepared by:

Sams Lepitso and Karel van Marolay

For and on behalf of: Solafrica Thermal Energy One (Pty) Ltd
Approved by: <i>[Signature]</i>
Name: <i>[Signature]</i>
Title: <i>[Signature]</i>
Date: 03 March 2011

I hereby certify that the information contained in this report is true and correct to the best of my knowledge and belief and that I am a duly qualified and registered professional person in the field of environmental management and assessment.

I hereby certify that the information contained in this report is true and correct to the best of my knowledge and belief and that I am a duly qualified and registered professional person in the field of environmental management and assessment.

Access to the site is currently via the Transnet service road (off the Sishen-Bakambé railway line). The Transnet service road is entered into via the MRB74 Curley Road which may be accessed via the N4 (R64) via Groblershoop or the N14 to Uitenhage. The N8 is accessible from Kimberley or via the R30 running from Brackenford to Springton where it interfaces with the N14. Refer to Figure 1 below.

Figure 1: Location of all access roads to the proposed site.



Existing external gravel roads (located outside the farm boundary) will be upgraded according to the technical specifications required for heavy hauls (broadbed roads). According to the EA for the CSTP Plant, it is not envisaged that such roads require widening; the upgrade will likely entail the re-laying of sections of these roads.

A new access road is to be constructed connecting the CSTP plant with the Transnet service road across the Eerns Station. This road will be used by all traffic accessing the site, including waste management contractors. The road will extend 100m to the plant having a width of 8m. The road will be fully formed and constructed to meet the required standards for large construction vehicles. This activity has been included as part of the application for environmental authorisation for the CSTP Plant and this is outside of the scope of this WML application.

The exact location of the access points and service road alignments located on the Eerns Station (outside the proposed plant boundary) will be negotiated with the relevant landowner. The main access roads and parking areas in the plant are to be paved and service roads (in the plant and security road) are to be unpaved.

Include the location of the exceptional on-site (off road) requirements as well as an indication of the road alignment to the site. Please refer to Appendix A - Site Plans.





G



Environmental Impact Management Services (Pty) Ltd  
Registration Number: 1592/005927/07  
Directors: A. Smith, L. Whitlow



Environmental Impact Management Services

**MEETING AGENDA**

Job No:	1120	Project Name:	Garlep Road Basic Assessment Application		
Meeting Description:	Stakeholder Meeting				
Meeting Venue:	Groblershoop Municipal Offices		Date:	3 February 2016	

**ATTENDEES**

Refer to the attendance register attached to these notes

## STAKEHOLDER MEETING NOTES

### Notes

#### 1. Welcome and Background

Brian Whitfield opened the meeting and welcomed all attendees to the meeting. An EMS attendance register was circulated for signatures. A brief background to the proposed basic assessment for the Gariep road was provided. It was clarified that EMS represents an Independent Environmental Assessment Practitioner (EAP) and as required by the National Environmental Management Act (Act 107 of 1998) (NEMA) to act as an independent, unbiased and impartial party in the application process. The extent of the road network to be included in the basic assessment was clarified as being the Gariep gravel road from the N8 up to the Transnet bridge over the Transnet railway line. The purpose of the study is to investigate feasible solutions to address the road concerns of all parties involved.

#### 2. Open Discussion Notes

Mr J. Kotze made the following remarks:

- Prior to the project, this road only had approximately 10 cars per month however since the project commenced, the road use has grown tremendously.
- The local government spent R4.3million upgrading the road last year (2015).
- During the EIA there was no dust suppression undertaken.
- After issues with the road, it was agreed in writing that a minimum of 8 grades per month would be undertaken in order to maintain the road in an acceptable condition.
- The road all the way to Uplington is not in a good condition and it is approximately 80km additional travel distance to drive to Uplington on the tar road.
- There are a number of developments earmarked or in the pipeline for this area which will put additional pressure on this road network.
- The Grikwa town road to the Transnet loop is considered the most important.
- The construction vehicles used the road from the Transnet bridge to Uplington.
- The local farmers' vehicles are wearing out faster due to the road being in such a bad condition and require replacement on average every 3 years.
- It is disputed that the required road maintenance was undertaken as per agreements.
- The contractors to the project caused the majority of the damage however it is felt that the applicant should manage and take responsibility for their contractors' actions/damage.

Mr Julius responded with the following remarks:

- Provided a background to the issues that the landowners were raising and that these issues were and have been dealt with during the course of the construction phase.
- It was stressed that ACWA Power does not want unresolved issues with their neighbours and would continue to work with landowners to ensure good relationships.
- It was confirmed that ACWA Power had had internal discussions about these issues in order to identify possible solutions.
- Stressed that the Bokpoort 1 project included costs for road maintenance.
- It was clarified that a preconstruction state of the road survey/record was undertaken.

Mr Bhula responded with the following remarks:

- It was stressed that the project ensured increased frequency of maintenance during the harvesting period to improve the road condition.
- The project had spent approximately R3million over the last year on road maintenance and management measures.
- No non-compliances had been recorded or observed with respect to the EMP for the Bokpoort 1 project.
- It was agreed that the road surface requires attention and as such, ACWA was committed to investigating and finding a permanent and economically viable solution.
- The tendered costs received to tar the road were extremely high and as such were

- not deemed feasible for ACWA Power to handle these costs alone.
- A solution which includes local development and economic benefits would be the ideal solution.
- The EIA for the road upgrade would be used as the platform to investigate and convey reasonable and long term solutions.
- It was confirmed that ACWA Power would not shy away from this issue.

Various landowners made the following remarks:

- The project / ACWA Power waited too long to implement adequate maintenance and as a result the road is now "broken".
- Before the project the road used to be 2 lanes wide at most however now it is 4 to 5 lanes wide.
- There is another road in the region that has a single lane cement road with gravel on each side. When two cars approach from opposite directions, the two cars slow and give way to one another. This is put forward as a possible solution.

Mr Kruger made the following remarks:

- The roads used for haul vehicles as well as personnel vehicles during the construction phase used the whole local road network and did not stick to predefined routes.
- The Scoping Report (Bokpoort 2) does not set forth a plan for access routes and additionally does not include a traffic vehicle count study. These are seen as deficiencies in the Scoping Report.
- He requested that a full transcript of the meetings discussions be distributed as the previous meetings held were minuted which did not accurately represent what was discussed.

Mr Nwigema introduced himself as the representative for Solafrica Energy (Sanddraai) and made the following remarks:

- The project was still in the permitting phase and thereafter would be subjected to the NERSA bid process. As such, the facility has not yet reached the final permitting phase and is therefore not anticipated to commence in the near future.
- The permanent solution to be found for the road must take cognisance of the immediate as well as long term future plans for the area.

Mr Kruger made the following remarks:

- All developers for the proposed future projects in the area were meant to attend this meeting however only Bokpoort 1, Bokpoort 2 and Sanddraai were represented.
- The permanent solution must consider a 25 year lifespan at a minimum.
- Mr Kruger reiterated that he is a member of the Groblershoop Farmers Association.
- The stakeholder database in existence from both the Bokpoort 1 and Bokpoort 2 EIAs must be used for this Road application. It was confirmed by Brian Whitfield that this would be done.

Mr P. Kotze made the following remarks:

- He wished it to be recorded that he is a disgruntled farmer (dust issues) and shares the sentiment and complaints of all the other landowners.
- CD's of the Road reports must be delivered to all farmers when available as not all have access to internet or downloading capability. It was agreed by all present that all CD's could be delivered to the Farmers Association (at the Wine Cellar) for collection by all. Brian Whitfield confirmed that this would be done.

Mr D. Nortje made the following remarks:

- He is in possession of dust photos (Sept/Oct 2015) at which time the dust drifted over his land. He is very concerned and suggested the solution for road accessibility be sought as an urgent matter.

Mr Kruger made the following remarks:

- It was raised that the existing Bokpoort 1 is only 50MW whilst Bokpoort 2 is over

100MW and therefore a gravel road access during the construction phase of Bokpoort 2 is not an option (gravel would not handle the high traffic as evidenced by Bokpoort 1 construction). Only a tar road would suffice.

- It was raised that only the companies win in the long term and that landowners (who are permanent residents) suffer.
- It was suggested that the road upgrade EIA assess 3 options for the upgrade being short, medium and long term solutions.
- A request was made for the monthly environmental reports as this previous request had not been met. The assumption was made that the applicant does not want to reveal the truth.
- It was questioned as to how many more accidents need to happen on this road before someone takes action.
- A request was made that a minimum of 60 days (2 months) be provided for comment on the road reports. Mr. Whitfield confirmed that this would be undertaken and that the intention was to ensure that all I&AP's were afforded ample opportunity during which to comment.

Mr J. Kotze made the following remarks:

- The local government undertook a road upgrade during 2015 and thereafter a road assessment was undertaken by a third party specialist and a report prepared. A copy of this report was requested. Furthermore traffic count data was requested.
- It was stated that it was provinces consideration that the road upgrade would cost less than R60million.
- No further projects would be permitted unless the road gets tarred.
- The idea of a consortium (joint effort) would work or would have worked however the province had already spent their R4.5million last year and so would more than likely not be willing to spend any more (even in a consortium).
- All consortiums (once identified) must convene a meeting to discuss their plans with the landowners.
- It was understood that Bokpoort 1 is currently the only project of this magnitude in the area and that all others were not yet a given. As such, it was agreed that a cost of R65-R72million was simply too much for ACWA Power to bear on their own. It is understood that it would be ~2-3 years before more developments would commence in the area.
- It was stated that Solafrica made the R10million commitment to the road upgrade however they then sold their licence to ACWA Power.
- ACWA Power only agreed to more road maintenance after the farmers physically blocked the road.
- There were many discussions but not much (95%) of what was discussed ever materialised.

Mr Kruger interjected and requested clarification from the Municipal Manager (who had just joined the meeting) on the following:

- It was queried whether the Opwag Road going to Zuma Valley is earmarked for paving in the future.

Municipal Manager (Teresa Scheepers) had the following response to this query:

- Public roads (district/provincial) are not within the municipal purview. These roads can be put into the IDP if requested.

Mr Pieter Boshoff (Groblershoop Farmers Association Chairman) made the following suggestions for the way forward:

- Continued maintenance of the road must be undertaken until Bokpoort 1 is completed. Thereafter the road must be reinstated to the same condition that the province's repairs recently achieved (2015). Thereafter no further construction would be permitted until the road is tarred.

### 3 General

No further general items for discussion were raised by any parties and the meeting was formally

adjourned.

Compiled by  
Signed:

B. Whitfield

RSK/f-f

Date:





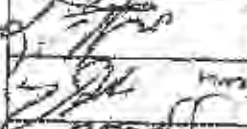
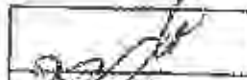





11/02/2016



**MEETING ATTENDANCE REGISTER**

Job no.	1120	Project name	ACWA Power Gariep Road Upgrade Basic Assessment Application			
Description of meeting	Meeting with Stakeholders to discuss future of Gariep road					Page 1 of 3 pages
Meeting venue	Kheis Municipality office - Groblershoop	Date	3 February 2016	Time	11:00 AM	
Representative	Company / organisation	Telephone number	Fax number	E-mail address	Signature	
Bheki Nxumalo	ACWA Power	074 750 6024	—	bekumalo@acwa-power.com		
Lusina Potluge	ACWA Power	082 319 7149	011 722 4113	lhpotluge@acwa-power.com		
Nasi Rusigama	SokAfrica Energy	0833247091	—	nasi@soakfrica.co.za		
Wilco Foucais	Ufora Foucais Prop	082 7896287	—	wilcofoucais@gmail.com		
Mathinus du Preez	Plot 608 (bly)	012 722 0725	—	matkatieniedupreez@gmail.com		
Rean Clasen	Rean Felle Facilities	082 552266	086 299 3163	rean.clasen@reanfac.com		
Trenie Potluge	ACWA	0563417070	—			
Alan van Buren	Prop	0832573898	—			



Representative	Company / Organisation	Telephone number	Fax number	E-mail address	Signature
DJ NORTJE	DIN Borkery	0838203307	-	dyobere@kvnrc.net	
M. NORTJE	DIN Borkery	-	-	-	
Ray de Beer	De Beer	0186010035	-	Raymond@gnv.co.za	
H.S. Odendaal	Kilim Stud	078860841	-	-	
J. LICHTENBERG	RIZA BOKERERY	0828559977	-	br30@rzbokery.co.za	
Johnes Kelly	Wentzen's Wine	0214562058	-	Johnes@Wentzen.co.za	
Dyke	Wentzen's Wine	0214562058	-	Wentzen's Wine	
JMI Fourn	Sanderson's	0827850626	-	Wentzen's Wine	
N.B. Shula	Bokery	0833301102	-	Wentzen's Wine	
Habile Fungwa	Wentzen's Wine	01933555805	-	Kilim Stud	
Zizo - Zizo	Wentzen's Wine	0115819808	-	Kilim Stud	

HEADOFFICE: Block 5 Remidjo Office Park, 5 Houtek Avenue,  
 Fernside, Randburg  
 PO Box 2083, Randburg, 2125, South Africa  
 Tel: (011) 789-1170, Fax: (011) 787-3059  
 E-mail: [mail@emims.co.za](mailto:mail@emims.co.za) Website: [www.emims.co.za](http://www.emims.co.za)

REGIONAL OFFICE: Unit 1, Espirade Suites, 12 Oxford Street, East London

PO BOX 19731, Tsekiso, 5214, South Africa  
 Tel: (043) 721 4805, Fax: (043) 571 9042

Environmental Impact Management Services (Pty) Ltd  
 Registration Number: 1992/005927/07  
 Directors: A. Smith, L. Willow

Donald Muller	Belmont	0823073077		donald@eims.co.za	
Theresa Scheepers	KHEIS CSP	0846168793		theresa@eims.co.za	
Brian Whitfield	EIMS	0826889850		brian@eims.co.za	
TERESA SCHEEPERS	KHEIS LM	0195248113		theresa@eims.co.za	

HEADOFFICE: Block 5 Fernridge Office Park, 5 Hunter Avenue,  
 Ferndale, Randburg  
 PO Box 2083, Pinegowrie, 2123, South Africa.  
 Tel: (011) 789-7270, Fax: (011) 787-3059  
 E-mail: mail@eims.co.za Website: www.eims.co.za

REGIONAL OFFICE: Unit 1, Esplanade Suites, 12 Clifford Street, East London

PO Box 19731, Tecoma, 5214, South Africa  
 Tel: (043) 721 1495, Fax: (086) 571 9067







AFRICA

2nd Floor, Commerce Square  
39 Rivonia Road, Sandton 2008  
Private Bag 111, Durbanville 7800  
South Africa  
Tel: +27 (0)11 461 6100  
Fax: +27 (0)11 461 6101  
Email: info@solarafrica.co.za

## **Land Use Application Process: Minutes of Public Meeting**

**18 April 2011**

**Venue: Dutch Reformed Church, Groblershoop**

**Time: 17:30 – 20:30**

### **1. Introduction**

At the request of the !Kheis Municipality, a Public Meeting was held at the Dutch Reformed Church in Groblershoop. The objective of the meeting was to inform Interested and Affected Parties (I&APs) of the proposed construction of a Concentrating Solar Thermal power Plant on the Farm Bokpoort 390 within the !Kheis local Municipality. Information of the Land Use Application made in terms of Schedule A of the Northern Cape Planning and Development Act was provided.

### **2. Basic Information**

Nasi Rwigema (NR) from SolarAfrica Thermal Energy, the development company for the project, and Jan Wandrag (JW) from Macroplan, the Town Planning Consultants for the project, presented the outcomes of the Land Use planning process to the officials present at the meeting.

An image of a signed attendance register is attached and will be supplemented when received from Macroplan.

### **3. Apologies**



Jan Wandrag made apologies for his late entrance to the meeting due to unfortunate travel complications.

#### 4. Minutes of Meeting

NR began a verbal discussion with the attendees pending JW's arrival, pertinent aspects of the discussion are captured below.

- a. Feedback was requested regarding the choice of plant cooling technology as concerns were expressed over the use of wet cooling at a previous public meeting to do with a Water Use License Application.

NR provided feedback on meetings that have been held with the national Department of Water Affairs where a range of cooling options, ranging from wet to dry including significant water efficiency measures, were presented along with a project feasibility case considering the scale of the generation facility, plant performance, and capital expenditure. It was explained that Solafrica is awaiting feedback from the National DWA on all aspects of water use as they pertain to the Project before a decision may be made on a cooling technology. All aspects of water use will require licensing by the Department of Water Affairs, which included a separate Public Participation process.

- b. A concern was raised that the potentially attractive wage rates offered for labour employment would result in farm workers seeking employment at the CSP facility. A request was made that labour wages do not exceed current farm worker compensation rates.

NR noted the comment and recommendation. NR also described that Solafrica will be working with the !Kheis Municipality to identify suitable labourers to be employed by the Project using their unemployment register.

- c. A concern was raised regarding the effect on the gravel roads of the increased traffic due to the Project during the construction and operation phases.

NR described the agreements that have been put in place by the Project with the Northern Cape Provincial Government and Transnet for the use of their roads. It was explained how Solafrica will become responsible for the upgrading and maintenance of the Gravel Road from the commencement of construction through to the end of the initial 20 year operational lifespan of the CSP facility. The Gravel Road was defined as the Gariep road leading up



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to the Transnet Railway Bridge and the Transnet road along the railway line from the Orange River to the Garoua substation.

- d. A concern was raised regarding the danger to the neighbouring farmers of having a large amount of people living on Farm Bokpoort.

NR explained that it is unlikely that permanent accommodation facilities, during construction and operation, will be developed on the plant site and that employees are likely to live in Groblershoop and other surrounding areas. Security and stringent access control measures will be put in place to ensure that only authorized persons are able to access the site.

- e. A question was asked regarding the validity period of the land use approval.

JW explained that the approval of the application will probably not be linked to the 20-year license of Eskom, but will remain in place until such time as application is made to withdraw the existing application. It was explained that land use right belong to the property and not the owner. The Land Use application is being processed in accordance with the applicable Northern Cape regulations.

## 5. Conclusion

- The meeting was concluded at 20:30







ATTENDANCE REGISTER

A PUBLIC MEETING REGARDING THE CONSENT USE / DEPARTURE APPLICATION FOR THE DEVELOPMENT OF AN ALTERNATIVE ENERGY GENERATION FACILITY ON  
 PORTION D (REMAINING EXTENT) OF FARM 608 POORT NO 310, GROBLERSHOOP

held at the Dutch Reformed Church Hall, Groblershoop on 16 April 2011 at 17:30

NAME	COMPANY	TELEPHONE	FACSIMILE	E-MAIL
W. Vroom F.M.K.	Boek	084 363 8461		eljeze.vroom@y-mail.com
Jens K Fourné	Boek	082 785 1626	086 502 5536	justf@katie.net
D.J. Nortjé	Boer	0826202307	0865025536	djnortje@katie.net
M. Durrhage	Boer	081 597 6625	<del>086 502 5536</del>	duurrhage@gmail.com
R. Liebenberg	Designlead SWK	082 897 9291	084 833 0004	r.klein@out.com
Stephanus J. J. J.	SWK	084 206 2066	086 6789276	turbine@katie.net
Robert Durrhage	BUWA	082 651 8415	084 - 411 0000	ceosw@boegabergwater.com
WACO FOUKE	Boer	082 789 6207	086 675 1778	wilcofouke@katie.net
P. Korte	Boek/Permit	082 570 9000	086 376261	0825709000@landmail.co.za
NASI RWIGENIA	SW AFRICA			
JAN WANDORAS	MACREPLAN			



I



soefwater@lantic.net

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**From:** Johan Blignaut <Johan.Blignaut@rhdhv.com>  
**Sent:** Friday, 04 December 2015 8:33 AM  
**To:** P Kotze  
**Subject:** RE: Sonplase



Goede more om Pétér

👍🏻 Dankie vir die kommentaar

Ek gaan hierdie opneem in ons verslag onder die kommentaar seksie. Ek sal dit ook vertaal en voersien aan die klient vir sy aandag.

As daar enige verdere vrae is voel vry om my te kontak.

Vriendelike Groete

**Johan Blignaut**  
Environmental Consultant

T +27 (0) 11 7906000 | D (011) 798 6458 | E [johan.blignaut@rhdhv.com](mailto:johan.blignaut@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
**Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV** | Reg No. 1986/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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**From:** P Kotze [<mailto:0825780900@vodamail.co.za>]  
**Sent:** 03 December 2015 11:52 AM  
**To:** Johan Blignaut; 'McEwen, Linda'  
**Subject:** FW: Sonplase

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**From:** P Kotze [<mailto:0825780900@vodamail.co.za>]  
**Sent:** 03 December 2015 09:16

**To:** 'Johannes Kotze'; 'Andre Kruger'; 'louiskotze@isat.co.za'  
**Cc:** 'Boegoeberg WGV'; 'hvanschalkwyk@environment.gov.za'  
**Subject:** Sonplase

Môre Andre

Agtergrond Sanddraai en Bokpoort2 EIA

Die eia word deur 'n mpy gedoen en dan word dit verkoop aan 'n ander mpy. So nou is daar 'n geleentheid om ooreenkomste aangegaan wat hulle nie gepas het nie deur die GATE/loop holes te laat gaan. Dit het met Bokpoort1 gebeur en ook by Karos solar. Ek het hierdie nalatigheid opskrif

So indien hierdie eia en nuwe mpy nie met ons skakel nie dan kan die projek nie voorgaan voordat hulle nie alles met ons uitgeklaar het en ondernemings aangegaan het nie, m.a.w. hulle moet ons in kennis stel wat gebeur.

Die paaie is ons infrastruktuur waarmee ons ons inkomste genereer. Geen/swak infrastruktuur: verminderde inkomste, onderhoudskoste/depresiasie aan/van voertuie en uiteindelik laer grondpryse.

Huidige toestand van pad, nadat hulle skriftelik ondemeem het om paaie 7 dae per maand te skraap, (dit word nog steeds nie gedoen nie). MOU met Prov. paaie word nie nagekom nie. Bokpoort1 het BV1 gebruik om die oppervlak van die pad te bepaal en Bokpoort1 het ondemeem om die pad weer in dieselfde toestand te lewer nadat die projek voltooi is. Dit gaan nie gebeur nie. Ek het hierdie dokumente.

Stof op ons weiding en landerye, aangesien ons reënval laag is word hierdie stof nie afgewas nie; wat is die impak op 'vreetbaarheid' vir diere en op opbrengs van oeste.

Die pad na n14 moet ook geteer word. Die brue oor die kanaal is nie ontwerp om swaar vragte te hanteer nie. Toe die kanaal in 1960 gebou is was daar nog nie 35ton vrag vragmotors nie. Dus mag die bestaande brue nie gebruik word nie. So hulle kan nie die Grootdrink brug gebruik nie omdat alle voertuie dan oor die kanaal moet ry. Wie gaan verantwoordelik wees indien die kanaal beskadig word en die besproeiërs nie hul oëste kan water gee nie. Ek het dit opskrif dat Bokpoort1 ondemeem het dat kontrakteurs nie pad na N14 mag gebruik nie, hulle het nog steeds. Hulle gaan sê hulle het nie beheer oor watter pad die kontrakteurs gebruik nie. Bokpoort1 het 'n voertuig telling gedoen en daar was bevind dat 70% voertuie die pad na N10 gebruik en 30% na N14. Hierdie grondpaaie kan eenvoudig nie hierdie verkeer hanteer nie, die stof wat op die pad gegenereer word, is die grond waarmee die pad gebou is, beweeg weg van die oppervlakte. Daarom verdwyf die oppervlak van die pad.

Daar MOET spoedbeperkings op die toegang paaie ingestel word en die kontrakteurs & werknemers se spoed moet 24/7 gemonitor word. Hulle ry soos hooligans.

Wat van 'n temperatuurstyging. Daar word beweer dat die temperatuur omgewing rondom die son plaas met tot 10C kan styg.

Wat gaan die in vloed wees op reën in die omgewing a.g.v. die hitte en uitstraling?

Geraas, ons weet nie wat gaan gebeur nie.

Ongediertes, wie/hoe gaan ongediertes beheer word, hulle gaan 'n lêplek/Wegkruip op die grond.

Sig van torings( ek het nie 'n beter woord nie astaliese) Hoe gaan dit die wildplase en maontlike wildplase & toerisme in die omgewing beïnvloed? By Uppington kan jy die refleksie van die spieëls kms ver sien.

Wie gaan ons hiervoor kompenseer?

Die probleem is ons het nie nou die antwoorde nie, ons sal net die gevolge weet nadat die son plase gebou is. Hoe gaan ons dan vergoed word as daar nie nou ooreengekom word nie.

So Ja, daar is te veel vrae en te min antwoorde vir die omliggende grondeienaars.

Peter

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## **Appendix F: Copies/ Proof of Comments Received**

# **!Kheis Local Municipality**



**From:** [Seshni Govender](#)  
**To:** [Floyd Leeuw](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:09:00  
**Attachments:** [MD4195-RHD-7Z-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

---



Dear Mr Leeuw

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** [Seshni Govender](#)  
**To:** [andries.d2@gmail.com](mailto:andries.d2@gmail.com)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:13:00  
**Attachments:** [MD4195-RHD-77-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

---



Dear Mr Diergaardt

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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**From:** [Seshni Govender](#)  
**To:** [Floyd Leeuw](#)  
**Cc:** [Desmond Dolopi](#); [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** FW: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Thursday, 21 May 2020 10:00:00  
**Importance:** High

---

Hi Mr Leeuw

Hope you are well.


I just wanted to follow up, have you been able to review the above mentioned documents that was sent to you and please can you provide comments as soon as you can.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** Seshni Govender

**Sent:** Wednesday, 04 March 2020 11:51

**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00

The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

**From:** [Seshni Govender](#)  
**To:** [Floyd Leeuw](#)  
**Cc:** [Diergaardt](#); [Desmond Dolopi](#); [Prashika Reddy](#); [Malcolm Roods](#); [Lusani Jacqueline Madali](#)  
**Subject:** RE: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Provinc  
**Date:** Friday, 24 January 2020 07:43:00  
**Attachments:** [Proposed \(10\) PV Plants-re Municipality.pdf](#)  
**Importance:** High

---

Dear Mr Leeuw


Please find attached correspondence regarding your expression of interest.

Regards

**Seshni Govender**  
**Environmental Consultant**

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Floyd Leeuw <[tedishe@gmail.com](mailto:tedishe@gmail.com)>  
**Sent:** Monday, 02 December 2019 08:57  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Cc:** Diergaardt <[andriesd2@gmail.com](mailto:andriesd2@gmail.com)>; Desmond Dolopi <[ddolopi@gmail.com](mailto:ddolopi@gmail.com)>  
**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Provinc

Dear Mr. Govender

Please find appended hereto our expression of interest in your prescribed form for your perusal and reference.

Best regards

--

Floyd Leeuw  
Municipal Manager  
!Kheis Local Municipality  
Tel: 054 833 9500  
Cel: 079 877 5137  
[tedishe@gmail.com](mailto:tedishe@gmail.com)



[acwapower.com](http://acwapower.com)

T +27 11 722 4100  
F +27 11 722 4113

23 January 2020

**From:** Prabashen Govender  
ACWA Power Green Energy Africa (Pty) Ltd  
7th Floor  
90 Grayston  
Sandton  
2196

**Attention:** Mr. Floyd Leeuw  
IKheis Local Municipality  
Oranje Street 97  
Groblershoop,  
Northern Cape

**PROPOSED 10 SOLAR POWER (PV) PLANT NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE:  
ENVIRONMENTAL IMPACT ASSESSMENT PUBLIC PARTICIPATION PROCESS**

Dear Floyd

ACWA Power Green Energy Africa (Pty) Ltd (hereinafter referred to as ACWA Power) is proposing the establishment of a solar power development located on the Remaining Extent of the Farm Bokpoort 390, 20 km northwest of the town of Groblershoop within the IKheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province, South Africa.

ACWA Power is proposing to develop and maintain ten (10) Solar Power (PV) Plants. Two of the proposed 10 PV plants have been authorised by the Department of Environment, Fishery and

ACWA Power Energy Africa (Pty) Ltd | Sandton Branch | P.O. Box 650200 Benmore 2010 | South Africa | 7<sup>th</sup> Floor  
| 90 Grayston Drive | Sandton  
Reg. No.: 2015/250544/07, VAT No. 4740278140

Directors: CH Elias (German) & Nanda (Indian) KM Rana (British) AS Anand (Indian)

Forestry (DEFF) and as such will be undergoing amendment process. The proposed projects are described below:

- Venda (PV) Solar Power Plant;
- Ndebele (PV) Solar Power Plant;
- Sotho (PV) Solar Power Plant;
- Swati (PV) Solar Power Plant;
- Xhosa (PV) Solar Power Plant;
- Tswana (PV) Solar Power Plant;
- Tsonga (PV) Solar Power Plant;
- Zulu (PV) Solar Power Plant;
- Afrikaans (PV) Solar Power Plant; and
- Pedi (PV) Solar Power Plant.

ACWA Power intends to submit a bid for the above-mentioned projects in the Department of Energy's (DoE) Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). As part of this bid programme, ACWA Power will be required to enter into a Power Purchase Agreement (PPA) with Eskom Holdings SOC LTD. In terms of this agreement, the buyer being ACWA Power needs to warrant the Seller being Eskom that:

1. it has the sole purpose, object and business of undertaking the Project and selling Energy in terms of this Agreement; and
2. the Seller is not subject to any obligation or non-compliance which is likely to have a material adverse effect on its ability to conduct the Project

Based on the above, ACWA Power is unable to make a commitment towards the provision of the requested 4MW (negotiable) for the direct benefit of the Municipality for its current and future developments. It should be noted that these project will connect to the National grid and increase

the national supply in the country which will indirectly benefit the Municipality. Also note that as part of the REIPPP, projects are required to commit towards social-economic development initiatives the project will endeavour to include the development of social infrastructure including (electrification) as part of this initiatives.

Further to the above, the Municipality in its comment sheet included the following:

1. The proposed project changes have to be registered on the IDP of the Municipality by way of a written submission addressed to the Municipal Manager. We note the comment and request that the Municipality provide further details regarding the registration process.
2. Furthermore, requisite Heads of Agreement will have to be reviewed. The project is currently undergoing early stage of project development such as obtaining project approvals and permits. Post this stage, the Municipality will be engaged to further discuss the project as well as Heads of Agreement.

Please do let us know if further clarification and or discussion is required.

Yours Faithfully,



Prabashen Govender

Executive Director: Business Development

## Seshni Govender

---

**From:** Seshni Govender  
**Sent:** Monday, December 2, 2019 9:06 AM  
**To:** Floyd Leeuw  
**Cc:** Diergaardt; Desmond Dolopi; Malcolm Roods; Prashika Reddy  
**Subject:** RE: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Provinc

Hi

Thanks for your comments.

Regards  
Seshni

**From:** Floyd Leeuw <tedishe@gmail.com>  
**Sent:** Monday, December 2, 2019 8:57 AM  
**To:** Seshni Govender <sesni.govender@rhdhv.com>  
**Cc:** Diergaardt <andriesd2@gmail.com>; Desmond Dolopi <ddolopi@gmail.com>  
**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Provinc

Dear Mr. Govender

Please find appended hereto our expression of interest in your prescribed form for your perusal and reference.

Best regards

--

**Floyd Leeuw**  
Municipal Manager  
**!Kheis Local Municipality**  
Tel: 054 833 9500  
Cel: 079 877 5137  
[tedishe@gmail.com](mailto:tedishe@gmail.com)



**BASIC ASSESSMENT FOR THE PROPOSED EIGHT NEW PHOTOVOLTAIC (PV) DEVELOPMENTS AND AMENDMENT OF ENVIRONMENTAL AUTHORISATIONS FOR TWO PREVIOUSLY AUTHORISED PV DEVELOPMENTS AT THE BOKPOORT FARM NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE**

**BACKGROUND INFORMATION DOCUMENT**

(NOVEMBER 2019)



DEFF REF (8 NEW PVs): TBC

DEFF REF (2 PV EA AMENDMENTS): 14/12/16/3/3/2/880 & 14/12/16/3/3/2/881

**WHAT DOES THIS DOCUMENT TELL YOU?**

This document aims to inform you as an Interested and Affected Party (I&AP), with background information regarding the development of eight (8) Photovoltaic (PV) plants at the Bokpoort Farm near Groblershoop, Northern Cape Province, being undertaken by ACWA Power Green Energy Africa (Pty) Ltd (ACWA Power).

The document also provides information regarding the Basic Assessment (BA) and Substantive Amendment processes to be undertaken. The document advises you on how you can become involved in the project – by reviewing information, and making inputs thereon, including raising any possible issues and concerns. This sharing of information forms the basis of the Public Participation Process (PPP) and offers you the opportunity to become actively involved in the project from the outset.

**PROPERTY DESCRIPTION**

The proposed project area is located on the north-eastern portion of the Farm Bokpoort 390 Remaining Extent (Landowner: ACWA Power Solafrica Bokpoort CSP Power Plant Pty Ltd) 20km north-west of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province. Refer to the Locality Map - Figure 2.

**PROJECT DESCRIPTION**

**Eight New PV Plants:**

On 21 October 2016, a 900ha, 150MW Concentrated Solar Power (CSP) plant was authorised by DEFF (then Department of Environmental Affairs) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan published in October 2019, ACWA Power intend replacing the authorised CSP site with 8 new PV plants. The updated layout has been revised to incorporate the 8 new PV plants of 75MW each, covering a total of 1200ha (i.e. 150ha for each plant) on Remaining Extent of the Farm Bokpoort 390. As the PV 1 and PV 2 plants are also approved on the Farm Bokpoort 390, the footprints of these approved PV plants will undergo an amendment to accommodate the 8 new PV plants and ancillary infrastructure (see below for more detail).

Each of the PV plants will consist of the following infrastructure:

- Solar generator comprised of monocrystalline PV modules that will be able to deliver up to 75MW to the Eskom National Grid;
- Inverters that convert direct current generated by the PV modules into alternating current (AC) to be exported to the electrical grid;
- Single-axis trackers (East/West) to maximize the generation;
- A transformer that raises the system AC low voltage (LV) to medium voltage (MV). The transformer converts the voltage of the electricity generated by the PV panels to the correct voltage for delivery to Eskom and transformer substation; and
- Instrumentation and Control consisting of hardware and software for remote plant monitoring and operation of the facility.

Associated infrastructure includes: mounting structures to support the PV panels; cabling between the structures, to be laid underground where practical; a new 132kV overhead powerline (servitude spanning 15.5m meters on both sides with towers that will be 35m high) which will connect the facility to the National Grid via Eskom's existing Garona Substation; lithium-ion battery energy storage system (BESS); One water pipeline connection from the river (*previously authorised*) and different metering points at individual PV plants; internal access roads (4 – 6m wide roads will be constructed but existing roads will be used as far as possible) and fencing (approximately 3m in height); associated buildings including a workshop area for maintenance, storage (i.e. fuel tanks, etc.) and offices to be shared between the plants.

The new PV plants will be identified by the following names: PV 3 - *Venda*, PV 4 - *Pedi*, PV 5 - *Afrikaans*, PV 6 - *Sotho*, PV 7 - *Swati*, PV 8 - *Zulu*, PV 9 - *Tsonga* and PV 10 – *Tswana*. Each new PV plant development will undergo its own application for authorisation and have its own reference number.



**Figure 1: Lesedi Solar Park near Postmasburg in the Northern Cape. This solar park is an example of a PV Solar Power Plant<sup>1</sup>**

**Substantive Amendment of 2 previously authorised PV Plants:**

Two 250ha 75MW PV plants including ancillary infrastructure (Ref 14/12/16/3/3/2/880 and 14/12/16/3/3/2/881), were also authorised by the DEFF on 24 October 2016. One of the conditions for the respective Environmental Authorisations was that a copy of the final development layout map must be made available for comments by registered I&APs and approved by the Department prior to the commencement of the activity. In addition to the final layout map, the two PV plants will undergo a Substantive Amendment process with the following key amendments:

- Name changes – PV 1 and PV 2 to *Ndebele* and *Xhosa* respectively;
- Updated co-ordinates of each PV plant;
- Assessment of the impacts related to the lithium-ion BESS – activity applied for but not authorised;
- Reduction in development footprint from 250ha to 150ha; and
- Updated technical description.

**WHAT THE POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROPOSED PROJECT?**

A number of potential environmental impacts associated with the project have been identified. Various specialist assessments have been conducted for the previous applications for EAs (CSP and PVs) including the Bokpoort I development and will be revised and updated based on the new layouts and technology i.e. PV instead of CSP.

Specialist Study (including update and review of previous assessments)	Organisation
Ecology	Bathusi Environmental Consultants
Freshwater	Scientific Aquatic Services
Surface- and Groundwater	GCS
Avifauna & Bats	Arcus Consulting Services
Wetlands	Royal HaskoningDHV
Soils and Agricultural Potential	Johann Lanz (private)
Heritage	Johnny van Schalkwyk (private)
Palaeontology	Natura Viva
Air Quality	WSP
Social	Royal HaskoningDHV
Traffic	Royal HaskoningDHV
Visual	Royal HaskoningDHV

<sup>1</sup> <https://mybroadband.co.za/news/wp-content/uploads/2015/02/Lesedi.jpg>

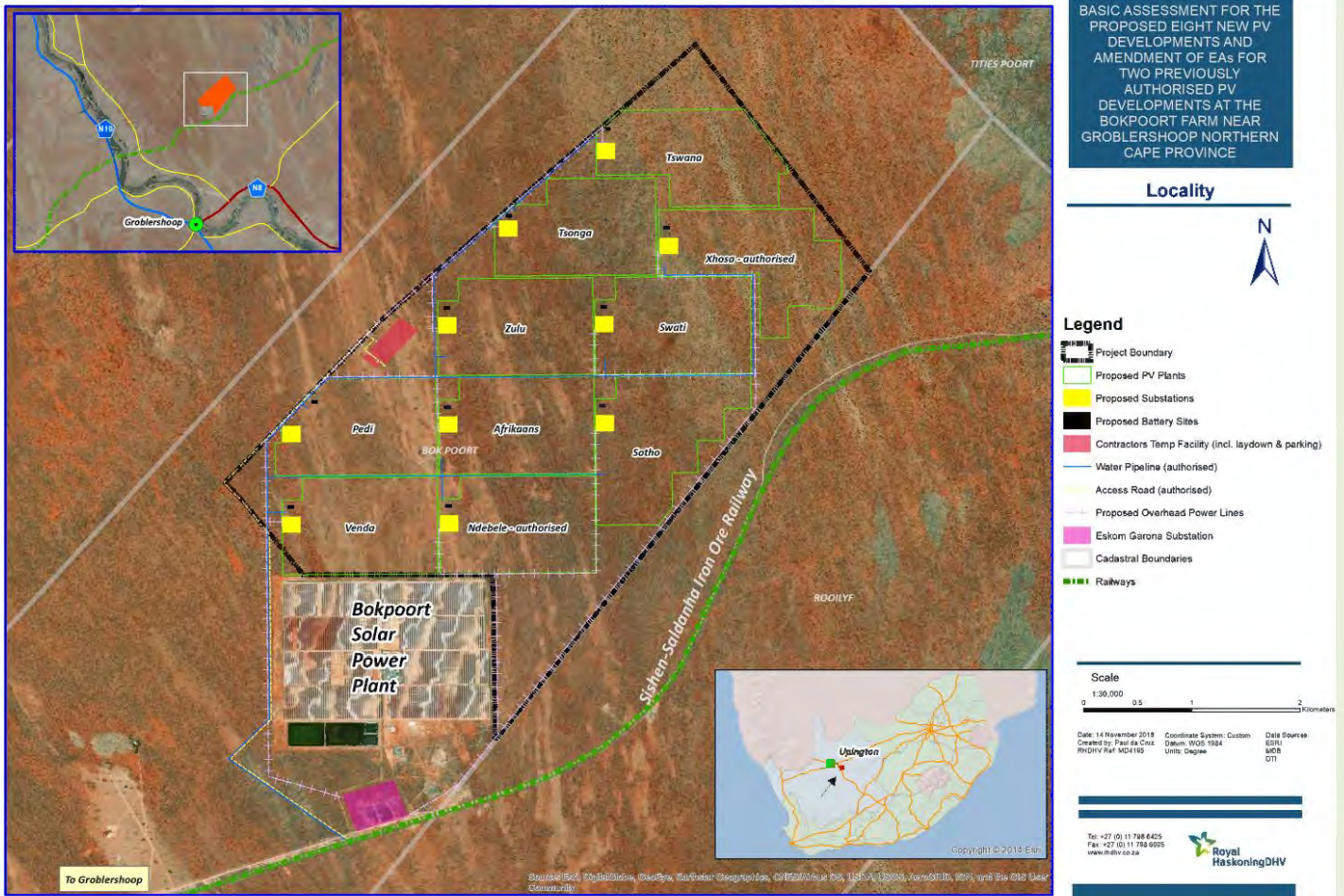


Figure 2: Locality map

### WHY ARE ENVIRONMENTAL STUDIES NEEDED?

In terms of the Environmental Impact Assessment (EIA) Regulations Government Notice Regulation (GNR) 324 – 327, published in terms of Section 24(5), and read with Section 44, of the National Environmental Management Act (NEMA) (Act No. 107 of 1998), ACWA Power requires an Environmental Authorisation per PV plant from the DEFF for undertaking the proposed project as it includes activities listed under Listing Notices 1 - 3 of the EIA Regulations 2014 (as amended in 2017).

The following activities of Listing Notice 1, 2 and 3 are triggered:

Listing Notice	Activity Number	Description and Applicability
1 (GNR 327)	11	The development of facilities or infrastructure for the transmission and distribution of electricity outside urban areas or industrial complexes with a capacity of more than 33 but less than 275kV. <i>Applicable to the construction of the overhead 132kV powerline that will connect each of the PV plants to the National Grid via Eskom's existing Garona Substation.</i>
	12	The development of infrastructure or structures with a physical footprint of 100m <sup>2</sup> or more; where such development occurs – within a watercourse or if no development setback exists, within 32m of a watercourse, measured from the edge of a watercourse. <i>To be confirmed by the wetland specialist assessment.</i>
	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> . <i>Each PV plant will have its own lithium-ion BESS with a combined capacity not exceeding 500m<sup>3</sup>.</i>
	19	The infilling or depositing of any material of more than 10m <sup>3</sup> into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10m <sup>3</sup> from a watercourse. <i>To be confirmed by the wetland specialist assessment.</i>
	28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture on or after 01 April 1998 and where such development will occur outside an urban area, where the total land to be developed is bigger than 1ha. <i>The development of the solar facility will involve the development of 1200ha of agricultural land. The</i>

Listing Notice	Activity Number	Description and Applicability
		<i>project site is located outside an urban area.</i>
2 (GNR 325)	1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20MW or more. <i>The electricity generation capacity of each of the PV plants will be 75MW.</i>
	4	The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500m <sup>3</sup> . <i>Each PV plant will have its own lithium-ion BESS with a combined capacity exceeding 500m<sup>3</sup>.</i>
	15	The clearance of an area of 20ha or more of indigenous vegetation. <i>The construction of the proposed PV plant will require the clearance of 150ha of indigenous vegetation per plant.</i>
3 (GNR 324)	4	The development of a road wider than 4m with a reserve less than 13.5m. In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>Internal access roads (4 – 6m wide roads will be constructed but existing roads will be used as far as possible). To be confirmed by the ecological assessment.</i>
	10	The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80m <sup>3</sup> . In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>To be confirmed by the ecological assessment.</i>
	12	The clearance of an area of 300m <sup>2</sup> or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. <i>To be confirmed by the ecological and wetland assessments.</i>
	14	The development of infrastructure or structures with a physical footprint of 10m <sup>2</sup> or more; where such development occurs within a watercourse or within 32m of a watercourse, measured from the edge of a watercourse. In the Northern Cape – Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. <i>To be confirmed by the ecological assessment.</i>

Since the project will take place in a Renewable Energy Development Zone (GNR113 of 16 February 2018) and Activity 1 (Listing Notice 2) of the EIA Regulations 2014 (as amended in 2017) is triggered, a BA procedure as contemplated in Regulation 19 and 20 of the EIA Regulations 2014 (as amended in 2017), must be followed in order to obtain environmental authorisation.

A BA is an effective planning and decision-making tool, which allows for the identification of potential environmental consequences of a proposed project, and its management through the planning process.

ACWA Power on behalf has appointed Royal HaskoningDHV to provide independent Environmental Assessment Practitioner (EAP) services for the proposed project. As part of these environmental studies, all I&APs will be actively involved through a public participation process (PPP).

### PUBLIC PARTICIPATION PROCESS

It is important that relevant I&APs are identified and involved in the PPP from the outset of the project. To ensure effective public participation, the process includes the following steps:

**Step 1** Create awareness & notification – adverts, BIDs, site notices

**Step 2** Register I&APs & stakeholders on the database (on-going)

**Step 3** Consultation with & transfer of information through consultation and stakeholder engagement

**Step 4** Invite I&AP to review & comment on the consultation BA report (30 day comment period)

**Step 5** Record all comments, issues & concerns raised by I&APs within an issues trail, which will form an integral part of the BAR

### HOW CAN YOU GET INVOLVED?


If you consider yourself an I&AP for this proposed project, we urge you to become involved.

- By responding (by phone or e-mail) to our invitation for your involvement in the process;
- By completing the attached comment form and mailing or faxing it to Seshni Govender at Royal HaskoningDHV;
- In writing, contacting the EAP if you have a query, comment or require further project information; and
- By reviewing and commenting on the consultation Basic Assessment Report (BAR) within the allowed 30-day review period.

Your input into this process forms a key part of the environmental study and we would like to hear from you to obtain your views on the proposed project.

By completing and submitting the accompanying response form, you automatically register yourself as an I&AP for this project, and ensure that your comments, concerns and/ or queries raised regarding the project will be noted.

### COMMENTS AND QUERIES ON THE PROJECT CAN BE DIRECTED TO

<b>Seshni Govender</b>	Royal HaskoningDHV PO Box 867, Gallo Manor, 2052		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
	Tel	087 352 1592	
	Email	Seshni.govender@rhdhv.com	

**BASIC ASSESSMENT FOR THE PROPOSED EIGHT NEW PHOTOVOLTAIC (PV) DEVELOPMENTS AND AMENDMENT OF ENVIRONMENTAL AUTHORISATIONS FOR TWO PREVIOUSLY AUTHORISED PV DEVELOPMENTS AT THE BOKPOORT FARM NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE  
COMMENTS AND REGISTRATION FORM**

(NOVEMBER 2019)

DEFF REF (8 NEW PVs): TBC

DEFF REF (2 PV EA AMENDMENTS): 14/12/16/3/3/2/880 & 14/12/16/3/3/2/881

**YOUR COMMENTS AND QUERIES ARE WELCOME**

Please **complete** this Comment Form **in full** and return to:

<b>Seshni Govender</b>	Royal HaskoningDHV		
	PO Box 867, Gallo Manor, 2052, Johannesburg		
Tel	087 352 1592		
<b>Royal HaskoningDHV</b>	Fax	011 798 6005	
	Email	<a href="mailto:seshni.govender@rhdhv.com">seshni.govender@rhdhv.com</a>	

<b>Title (Prof/Mr/Mrs)</b>	Mr.	<b>First name</b>	Floyd
<b>Surname</b>	Leeuw		
<b>Capacity (e.g. Secretary / Director)</b>	Municipal Manager		
<b>Organisation</b>	!Kheis Local Municipality		
<b>Postal address</b>	Private Bag X2 Groblershoop	<b>Postal code</b>	8850
<b>Tel No.</b> ( )	054 833 9500	<b>Cell No.</b>	0798775137
<b>Fax No.</b> ( )	054 833 0690	<b>Email address</b>	tedishe@gmail.com

What comments / concerns would you like to raise regarding this proposed project? (Please use additional pages, if required)

The proposed project changes have to be registered on the IDP of the municipality by way of a written submission addressed to the

Office of the Municipal Manager. Secondly there must be a commitment that at least 4MW (negotiable) will be for the direct benefit

of the municipality for current and future developments. Furthermore requisite Heads of Agreement will have to be reviewed.

PLEASE REGISTER THE FOLLOWING PERSON(S) ON THE PROJECT DATABASE:

<b>Title (Prof/Mr/Mrs)</b>	Mr.	<b>First name</b>	Desmond
<b>Surname</b>	Dolopi		
<b>Capacity (e.g. Secretary / Director)</b>	Manager: Technical Services		
<b>Organisation</b>	!Kheis Local Municipality		
<b>Postal address</b>	Private Bag X2 Groblershoop	<b>Postal code</b>	8850
<b>Tel No.</b> ( )	054 833 9500	<b>Cell No.</b>	0725928414
<b>Fax No.</b> ( )	054 833 0690	<b>Email address</b>	ddolopi@gmail.com
<b>Signature</b>			

IF YOU PREFER NOT TO RECEIVE ANY FURTHER INFORMATION REGARDING THIS PROPOSED PROJECT, AND, WOULD PREFER TO BE REMOVED FROM THE PROJECT DATABASE, PLEASE TICK THE BOX BELOW AND RETURN THE FORM TO THE PUBLIC PARTICIPATION CONSULTANTS (CONTACT DETAILS AS PROVIDED ABOVE).

Yes, remove my name

**Transnet**

**From:** [Seshni Govender](#)  
**To:** [Terrence Yengwa](#) [Transnet Freight Rail EMP](#)  
**Cc:** [Hlengiwe Buthelezi](#) [Transnet Freight Rail EMP](#); [Prashika Reddy](#); [Malcolm Roods](#); [Lusani Jacqueline Madali](#); [Phumi Maake](#); [Gilbert Nortier](#) [Transnet Freight Rail PLZ](#)  
**Subject:** RE: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 06 July 2020 10:55:00  
**Attachments:** [image007.png](#)  
**Importance:** High

---

Hi Terrence

Hope you are staying safe.


ACWA Powers agrees with your request below and requests that you please provide the contact details of the relevant person to engage with regarding this agreement.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
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**From:** Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>  
**Sent:** Tuesday, 02 June 2020 10:59  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Cc:** Hlengiwe Buthelezi Transnet Freight Rail EMP <[Hlengiwe.Buthelezi@transnet.net](mailto:Hlengiwe.Buthelezi@transnet.net)>; Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>; Lusani Jacqueline Madali <[L.Rathanya@acwapower.com](mailto:L.Rathanya@acwapower.com)>; Phumi Maake <[PMaake@acwapower.com](mailto:PMaake@acwapower.com)>; Gilbert Nortier Transnet Freight Rail PLZ <[Gilbert.Nortier@transnet.net](mailto:Gilbert.Nortier@transnet.net)>  
**Subject:** RE: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

Good day,

I will suggest that both parties have an official agreement in this regard regarding access, maintenance of the service road to be safe in all aspects. In the case of an accident on the road due to condition, should there be any legal claims as a result of an incident on the service road we should not be found wanting

Regards,

Terrence K. Yengwa  
Depot Engineering Manager Upington  
Transnet Freight Rail (Rail Network)  
01 Robertson Street  
Upington, 8801

 083 444 1825  054 338 3438  
 [terrence.yengwa@transnet.net](mailto:terrence.yengwa@transnet.net)

**Don't wait for a funeral to pay a compliment. You might not make it in time**



---

**From:** Seshni Govender [<mailto:seshni.govender@rhdhv.com>]

**Sent:** 02 June 2020 10:45 AM

**To:** Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>

**Cc:** Hlengiwe Buthelezi Transnet Freight Rail EMP <[Hlengiwe.Buthelezi@transnet.net](mailto:Hlengiwe.Buthelezi@transnet.net)>; Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>; Lusani Jacqueline Madali <[LRathanya@acwapower.com](mailto:LRathanya@acwapower.com)>; Phumi Maake <[PMaake@acwapower.com](mailto:PMaake@acwapower.com)>

**Subject:** RE: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

**Importance:** High

Hi Terrence

Thanks for the comment, please see response below regarding the access road from the attached correspondence that was sent to your colleagues previously.

3. Access to the Bokpoort CSP site has been through the Transnet road throughout construction and current operational phases. The construction was well managed from a health, safety and environmental, (HSE), perspective, in terms of the road. The Bokpoort CSP plant regularly maintains this section of the road. The CSP project has heavy equipment and was managed without negatively impacting the road, whilst PV plants are very lightweight and corresponding impact on road is expected to be minimal. As the only access road in the area, we will take the necessary precautions from a HSE perspective in managing our contractors. We have successfully managed this prior and foresee no problems doing the same in the future. We would welcome a discussion to discuss an acceptable right of use agreement for this road.


If you have any further queries, please send them through.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
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**From:** Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>

**Sent:** Tuesday, 02 June 2020 10:13

**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>

**Cc:** Hlengiwe Buthelezi Transnet Freight Rail EMP <[Hlengiwe.Buthelezi@transnet.net](mailto:Hlengiwe.Buthelezi@transnet.net)>

**Subject:** FW: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

**Importance:** High

Good day,

During the construction and maintenance of the plant, which roads will be used to access the sites? The reason I am asking is that the service roads along the track are private roads to Transnet.

Regards,

Terrence K. Yengwa

Depot Engineering Manager Upington

Transnet Freight Rail (Rail Network)

01 Robertson Street

Upington, 8801

📞 083 444 1825 📞 054 338 3438

✉️ [terrence.yengwa@transnet.net](mailto:terrence.yengwa@transnet.net)

**Don't wait for a funeral to pay a compliment. You might not make it in time**

Regards,

---

**From:** Gilbert Nortier Transnet Freight Rail PLZ

**Sent:** 02 June 2020 09:50 AM

**To:** [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)

**Cc:** Marina Lourens Transnet Freight Rail <[Marina.Lourens@transnet.net](mailto:Marina.Lourens@transnet.net)>; Lourens Van Wyk Transnet Freight Rail SLD <[Lourens.VanWyk@transnet.net](mailto:Lourens.VanWyk@transnet.net)>; Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>

**Subject:** FW: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

**Importance:** High

Dear Seshi

Please forward all your requirements to the e-mail addresses CC in this e-mail.

Kind Regards

Gilbert



**Gilbert Nortier**

IOM Rail Network

Transnet Freight Rail

📞 022 703 3549 📞 083 407 7924

✉️ [Gilbert.Nortier@transnet.net](mailto:Gilbert.Nortier@transnet.net)

---

**From:** Seshni Govender [<mailto:seshni.govender@rhdhv.com>]

**Sent:** 01 June 2020 04:37 PM

**Cc:** Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>

**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality

**Importance:** High



Dear Stakeholder

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** [Seshni Govender](#)  
**To:** [Gilbert Nortier](#) [Transnet Freight Rail PLZ](#)  
**Cc:** [Khomotsa Shawa](#) [Transnet Freight Rail SLD](#); [Prince Mbele](#) [Transnet Freight Rail BLM](#); [Annelize Harmse](#) [Transnet Freight Rail JHB](#); [Marina Lourens](#) [Transnet Freight Rail](#); [Terrence Yengwa](#) [Transnet Freight Rail EMP](#); [Prashika Reddy](#); [Malcolm Roods](#); [Lusani Jacqueline Madali](#)  
**Subject:** RE: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Friday, 24 January 2020 07:39:00  
**Attachments:** [Proposed \(10\) PV Plants-re Transnet.pdf](#)  
[image007.png](#)  
**Importance:** High

---

Dear Mr Nortier

Hope you are well.


Please find attached correspondence in terms of your concerns raised below.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** Gilbert Nortier Transnet Freight Rail PLZ <[Gilbert.Nortier@transnet.net](mailto:Gilbert.Nortier@transnet.net)>  
**Sent:** Tuesday, 26 November 2019 11:12  
**To:** Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>  
**Cc:** Khomotsa Shawa Transnet Freight Rail SLD <[Khomotsa.Shawa@transnet.net](mailto:Khomotsa.Shawa@transnet.net)>; Prince Mbele Transnet Freight Rail BLM <[Prince.Mbele@transnet.net](mailto:Prince.Mbele@transnet.net)>; Annelize Harmse Transnet Freight Rail JHB <[Annelize.Harmse@transnet.net](mailto:Annelize.Harmse@transnet.net)>; Marina Lourens Transnet Freight Rail <[Marina.Lourens@transnet.net](mailto:Marina.Lourens@transnet.net)>; Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Subject:** FW: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High

Dear Colleagues

Please indicate your concerns with respect to the PV developments near the Railway line.

Possible glare from the Photo Voltaic cells which might affect train drivers, the contractors may not use your TFR service road, no structure may be installed on TFR property, blasting from the track and TFR boundaries, excavations and other services from TFR boundary and equipment or heavy plant crossing of the track, 50kV OHTE permits.....

Kind regards

Gilbert



**Gilbert Nortier**  
IOM Rail Network  
Transnet Freight Rail

 022 703 3549  083 407 7924  
 [Gilbert.Nortier@transnet.net](mailto:Gilbert.Nortier@transnet.net)

**From:** Seshni Govender [<mailto:seshni.govender@rhdhv.com>]

**Sent:** 26 November 2019 10:52 AM

**Cc:** Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>; Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>

**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Interested and Affected Party

Notice is hereby given in terms of the Environmental Impact Assessment (EIA) Regulations, 2014 (as amended in 2017) published in Government Notice Regulation (GNR) 324 - GNR 327, in terms of Section 24(5) of the National Environmental Management Act - NEMA (Act No. 107 of 1998) (as amended) of the initiative by ACWA Power Green Energy Africa (Pty) Ltd (ACWA Power) for the Proposed Eight new Photovoltaic (PV) developments and amendment of Environmental Authorisations (EA) for two previously authorised PV developments at the Bokpoort farm near Groblershoop, Northern Cape Province.

With respect of the above, the Applicant, ACWA Power intends undertaking a Basic Assessment (BA) process as contemplated in the EIA Regulations, 2014 (as amended in 2017) as well as a Substantive Amendment process for the purposes of applying for authorisations for the above proposed development to the Competent Authority, the Department of Environment, Forestry and Fisheries (DEFF, then Department of Environmental Affairs).

Royal HaskoningDHV Pty Ltd (Royal HaskoningDHV) has been appointed by ACWA Power as an Independent EAP to undertake the BA, WUA and Public Participation Process (PPP) for the proposed project. The PPP entails informing the local authorities, Interested and Affected Parties (I&APs), key stakeholders and landowners about the proposed project. A Background Information Document (BID), including a comment and registration form and a locality map is attached for your information.


Royal HaskoningDHV would like to thank you in advance, for taking part in the PPP and is looking forward to receiving your valuable comments relating to the proposed project.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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F +27 11 722 4113

23 January 2020

**From:** Prabashen Govender  
ACWA Power Green Energy Africa (Pty) Ltd  
7<sup>th</sup> Floor  
90 Grayston  
Sandton  
2196

**Attention:** GILBERT NORTIER  
IOM RAIL NETWORK  
TRANSNET FREIGHT RAIL  
Transnet  
T: 022 703 3549 M: 083 407 7924  
EMAIL: [GILBERT.NORTIER@TRANSNET.NET](mailto:GILBERT.NORTIER@TRANSNET.NET)

**PROPOSED 10 SOLAR POWER (PV) PLANT NEAR GROBLERSHOOP, NORTHERN CAPE PROVINCE:  
ENVIRONMENTAL IMPACT ASSESSMENT PUBLIC PARTICIPATION PROCESS**

Dear Mr Nortier

**BACKGROUND:**

ACWA Power Green Energy Africa (Pty) Ltd (hereinafter referred to as ACWA Power) is proposing the establishment of a solar power development located on the Remaining Extent of the Farm Bokpoort 390, 20 km northwest of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province, South Africa.

ACWA Power is proposing to develop and maintain ten (10) Solar Power (PV) Plants. Two of the proposed 10 PV plants have been authorised by the Department of Environment, Fishery and

ACWA Power Energy Africa (Pty) Ltd | Sandton Branch | P.O. Box 650200 Benmore 2010 | South Africa | 7<sup>th</sup> Floor  
| 90 Grayston Drive | Sandton  
Reg. No.: 2015/250584/07, VAT No. 4740278140

Directors: CH Eftis (German) R. Nanda (Indian) KM Rana (British) JS Anand (Indian)



acwapower.com

T +27 11 722 4100  
F +27 11 722 4113

Forestry (DEFF) and as such will be undergoing amendment process (details of the authorisations are available). The proposed projects are described below:

- Venda (PV) Solar Power Plant;
- Ndebele (PV) Solar Power Plant;
- Sotho (PV) Solar Power Plant;
- Swati (PV) Solar Power Plant;
- Xhosa (PV) Solar Power Plant;
- Tswana (PV) Solar Power Plant;
- Tsonga (PV) Solar Power Plant;
- Zulu (PV) Solar Power Plant;
- Afrikaans (PV) Solar Power Plant; and
- Pedi (PV) Solar Power Plant.

ACWA Power intends to submit a bid for the above-mentioned projects in the Department of Energy's (DoE) Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). As part of this bid programme, ACWA Power will be required to have a valid environmental authorisation to construct the Project. In addition the Project will need to enter into a Power Purchase Agreement (PPA) with Eskom Holdings SOC LTD.

#### **Construction of the PV facilities**

We note the concerns of Transnet and would like to bring the following to your attention:

1. ACWA Power has had previous good working relationships at the ground level at the proposed site. We remain available to further discuss and clarify any concerns from Transnet and further enhance our co-operation.
2. The Bakpoort CSP is adjacent to the railway line and has been operating for many years now without any incidents impacting train drivers. The CSP technologies use mirrors that

ACWA Power Energy Africa (Pty) Ltd | Sandton Branch | P.O. Box 658200 Benmore 2010 | South Africa | 7<sup>th</sup> Floor  
| 70 Grayston Drive | Sandton  
Reg. No. : 2015/250564/07. VAT No. : 4740278140

Directors: CH Ehlers (German) R. Handa (Indian) KM Kona (British) JS Anand (Indian)



- has high reflectivity and correspondingly high glare indication relative to PV panels that are not designed to reflect sunlight but rather to absorb sunlight. To date the Bokpoort CSP has had no negative impact on the train drivers in terms of glare and we can infer that the panels which are less reflective than CSP mirrors will not have a glare risk on train drivers.
3. Access to the Bokpoort CSP site has been through the Transnet road throughout construction and current operational phases. The construction was well managed from a health, safety and environmental, (HSE), perspective, in terms of the road. The Bokpoort CSP plant regularly maintains this section of the road. The CSP project has heavy equipment and was managed without negatively impacting the road, whilst PV plants are very lightweight and corresponding impact on road is expected to be minimal. As the only access road in the area, we will take the necessary precautions from a HSE perspective in managing our contractors. We have successfully managed this prior and foresee no problems doing the same in the future. We would welcome a discussion to discuss an acceptable right of use agreement for this road.
  4. We note Transnet's' concern that no structure may be installed on TFR property: The plan is to only construct on the PV plant land areas. These areas are clearly demarcated on drawings and verified with geospatial co-ordinates. We confirm that none of the structures will be on Transnet land.
  5. In terms of the Transnet concern on blasting from the track and TFR boundaries: There are no heavy equipment requirements for a PV plant, so there is no need for extensive blasting to cater for light weight PV structures. Previous construction for Bokpoort CSP in the same vicinity, with similar terrain, did not require significant blasting. For the unlikely event that blasting is required, all necessary safety and other notification protocols will be abided by inclusive of any specific Transnet requirements.

6. Transnet has a concern on excavations and other services from TFR boundary: No excavations will be required on Transnet land, all construction will be on the PV plant land as described in the EIA process.
7. Transnet has a concern on equipment or heavy plant crossing of the tracks: we would only be travelling on the road to the construction site. We can confirm there is no need to cross any Transnet tracks.
8. On the item of 50kV OHTE permits: it is the responsibility of the Project Company and the contractors to ensure that all permits are in place and complied too ensuring all HSE requirements are met - we do not envisage any shortcomings in this area. In the unlikely event there is a need for OHTE permits, all necessary Transnet protocols will be followed and adhered too.

We believe with our previous good working level co-operation and our current working methods we are in a good position to mitigate against any potential concern as illustrated above. We would appreciate you removing your objection on the basis of the response above.

Please do let us know if further clarification and or discussion is required.

Yours Faithfully,



Prabashen Govender

Executive Director: Business Development

**From:** [Seshni Govender](#)  
**To:** [Marina Lourens Transnet Freight Rail](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Monday, 25 May 2020 12:43:00  
**Attachments:** [Bokpoort 2 Locality - Revised Jan 20.pdf](#)  
[image008.png](#)  
**Importance:** High

---

Hi Ms Lourens

Please find attached layout where construction will take place.


The type of machinery is not known as yet as there are different types of installations.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** Marina Lourens Transnet Freight Rail <[Marina.Lourens@transnet.net](mailto:Marina.Lourens@transnet.net)>  
**Sent:** Wednesday, 18 March 2020 09:59  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Hi Seshni

Please see request in RED below

Thanks

M

---

**From:** Simangele Kubisa Transnet Freight Rail PTA  
**Sent:** 18 March 2020 09:57 AM  
**To:** Marina Lourens Transnet Freight Rail <[Marina.Lourens@transnet.net](mailto:Marina.Lourens@transnet.net)>; Khomotsa Shawa Transnet Freight Rail SLD <[Khomotsa.Shawa@transnet.net](mailto:Khomotsa.Shawa@transnet.net)>; Prince Mbele Transnet Freight Rail BLM <[Prince.Mbele@transnet.net](mailto:Prince.Mbele@transnet.net)>; Hlengiwe Buthelezi Transnet Freight Rail EMP <[Hlengiwe.Buthelezi@transnet.net](mailto:Hlengiwe.Buthelezi@transnet.net)>; Christo Eybers Transnet Freight Rail KBY <[Christo.Eybers@transnet.net](mailto:Christo.Eybers@transnet.net)>; Ronald Radebe Transnet Freight Rail KBL <[Ronald.Radebe@transnet.net](mailto:Ronald.Radebe@transnet.net)>; Terrence Yengwa Transnet Freight Rail EMP <[Terrence.Yengwa@transnet.net](mailto:Terrence.Yengwa@transnet.net)>; Sandile Malwane Transnet Freight Rail CPT <[Sandile.Malwane@transnet.net](mailto:Sandile.Malwane@transnet.net)>; Lencwe Ngakantsi Transnet Freight Rail SLD <[Lencwe.Ngakantsi@transnet.net](mailto:Lencwe.Ngakantsi@transnet.net)>  
**Cc:** Annelize Harmse Transnet Freight Rail JHB <[Annelize.Harmse@transnet.net](mailto:Annelize.Harmse@transnet.net)>  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Good day Marina

There seems to be no diagrams attached that show where exactly the construction will take place. Also we need to know the type of machinery that will be moving in the construction area and then we can advise on the impact that will be posed to our infrastructure, by this proposed work.

Regards  
Sima

---

**From:** Marina Lourens Transnet Freight Rail  
**Sent:** 06 March 2020 10:44 AM  
**To:** Khomotsa Shawa Transnet Freight Rail SLD; Prince Mbele Transnet Freight Rail BLM; Hlengiwe Buthelezi Transnet Freight Rail EMP; Christo Eybers Transnet Freight Rail KBY; Ronald Radebe Transnet Freight Rail KBL; Terrence Yengwa Transnet Freight Rail EMP; Simangele Kubisa Transnet Freight Rail PTA; Sandile Malwane Transnet Freight Rail CPT; Lencwe Ngakantsi Transnet Freight Rail SLD  
**Cc:** Annelize Harmse Transnet Freight Rail JHB  
**Subject:** FW: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Hi All

Please see application for Battery Energy Storage Systems on the farm Bokpoort near Groblershoop and inform by Friday 13 March 2020 if any of you have objections and if YES please give me all details and costs

Thanks

M

---

**From:** Johannes Hanekom \*Transnet Property CPT  
**Sent:** 06 March 2020 10:38 AM  
**To:** Marina Lourens Transnet Freight Rail <[Marina.Lourens@transnet.net](mailto:Marina.Lourens@transnet.net)>  
**Cc:** Annelize Harmse Transnet Freight Rail JHB <[Annelize.Harmse@transnet.net](mailto:Annelize.Harmse@transnet.net)>; Livhuwani Ndou Transnet Freight Rail JHB <[Livhuwani.Ndou@transnet.net](mailto:Livhuwani.Ndou@transnet.net)>; Burton Siljeur \*Transnet Property CPT <[Burton.Siljeur@transnet.net](mailto:Burton.Siljeur@transnet.net)>  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Hi Marina

Mails dated 22<sup>th</sup> June 2015 Golder Associates Africa (Pty) Ltd, 27<sup>th</sup> November 2019 Royal Haskoning DHV and 29<sup>th</sup> January 2020 Royal Haskoning DHV correspondence related to

1. THE PROPOSED BOKPOORT II Solar Power Development,
2. THE PROPOSED 8 NEW PV DEVELOPMENTS AND AMENDMENTS OF 2 EAs FOR PREVIOUSLY AUTHORISED PV DEVELOPMENTS, BOKPOORT as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) refers.

**This office in principle has no objection to the proposal, but wish to remind you of our previous correspondence/ responses related to the above matters.**

**Some of the letters attached for ease of reference.**

**Please note that the notification also needs to be circulated to an environmental professional to see if Transnet could be affected from an environmental point of view.**

Our office's reference: **SBS0447**

With thanks.

Regards



**Jaco Hanekom**  
Senior Property Technician  
Geo-Spatial: Western Region

Transnet Property

☎ +27 21 449 4529

✉ [Johannes.Hanekom@Transnet.net](mailto:Johannes.Hanekom@Transnet.net)

🌐 [www.transnet.net](http://www.transnet.net)

---

**From:** Marina Lourens Transnet Freight Rail

**Sent:** 04 March 2020 12:01 PM

**To:** Johannes Hanekom \*Transnet Property CPT

**Subject:** FW: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High

Hi Johannes

Will the IOL line be affected by this?

Thanks

M

---

**From:** Seshni Govender [

**Sent:** 04 March 2020 11:51 AM

**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00

The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

Regards

**Seshni Govender**  
**Environmental Consultant**


D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)

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## Seshni Govender

---

**From:** Gilbert Nortier Transnet Freight Rail PLZ <Gilbert.Nortier@transnet.net>  
**Sent:** Tuesday, November 26, 2019 11:12 AM  
**To:** Terrence Yengwa Transnet Freight Rail EMP  
**Cc:** Khomotsa Shawa Transnet Freight Rail SLD; Prince Mbele Transnet Freight Rail BLM; Annelize Harmse Transnet Freight Rail JHB; Marina Lourens Transnet Freight Rail; Seshni Govender  
**Subject:** FW: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province  
**Attachments:** MD4195-RHD-ZZ-XX-SE-YE\_BID\_F02 Afr.pdf; MD4195-RHD-ZZ-XX-SE-YE\_BID\_F02 Eng.pdf  
**Importance:** High

Dear Colleagues

Please indicate your concerns with respect to the PV developments near the Railway line.

Possible glare from the Photo Voltaic cells which might affect train drivers, the contractors may not use your TFR service road, no structure may be installed on TFR property, blasting from the track and TFR boundaries, excavations and other services from TFR boundary and equipment or heavy plant crossing of the track, 50kV OHTE permits.....

Kind regards

Gilbert



**Gilbert Nortier**  
IOM Rail Network  
Transnet Freight Rail

☎ 022 703 3549    📱 083 407 7924  
✉ [Gilbert.Nortier@transnet.net](mailto:Gilbert.Nortier@transnet.net)

---

**From:** Seshni Govender [mailto:seshni.govender@rhdhv.com]

**Sent:** 26 November 2019 10:52 AM

**Cc:** Malcolm Roods <Malcolm.Roods@rhdhv.com>; Prashika Reddy <prashika.reddy@rhdhv.com>

**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Interested and Affected Party

Notice is hereby given in terms of the Environmental Impact Assessment (EIA) Regulations, 2014 (as amended in 2017) published in Government Notice Regulation (GNR) 324 - GNR 327, in terms of Section 24(5) of the National Environmental Management Act - NEMA (Act No. 107 of 1998) (as amended) of the initiative by ACWA Power Green Energy Africa (Pty) Ltd (ACWA Power) for the Proposed Eight new Photovoltaic (PV) developments and amendment of Environmental Authorisations (EA) for two previously authorised PV developments at the Bokpoort farm near Groblershoop, Northern Cape Province.

With respect of the above, the Applicant, ACWA Power intends undertaking a Basic Assessment (BA) process as contemplated in the EIA Regulations, 2014 (as amended in 2017) as well as a Substantive Amendment process for the purposes of applying for authorisations for the above proposed development to the Competent Authority, the Department of Environment, Forestry and Fisheries (DEFF, then Department of Environmental Affairs).

Royal HaskoningDHV Pty Ltd (Royal HaskoningDHV) has been appointed by ACWA Power as an Independent EAP to undertake the BA, WUA and Public Participation Process (PPP) for the proposed project. The PPP entails informing the local authorities, Interested and Affected Parties (I&APs), key stakeholders and landowners about the proposed project. A Background Information Document (BID), including a comment and registration form and a locality map is attached for your information.

Royal HaskoningDHV would like to thank you in advance, for taking part in the PPP and is looking forward to receiving your valuable comments relating to the proposed project.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**Eskom**

**From:** [Seshni Govender](#)  
**To:** [John Geeringh](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Monday, 25 May 2020 12:40:00  
**Attachments:** [MD4195-RHD-77-XX-DR-YF Bokpoort 2 Layout Components.kmz](#)  
**Importance:** High

---

Hi Mr Geeringh

All development to be undertaken in close proximity to Eskom's infrastructure will adhere to the Eskom's requirements.


Please find attached the kmz of the project.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** John Geeringh <[GeerinJH@eskom.co.za](mailto:GeerinJH@eskom.co.za)>  
**Sent:** Friday, 06 March 2020 09:24  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Please find attached Eskom requirements for works at or near Eskom infrastructure. Please take note of the setback document requirements carefully.

Please send me a KMZ file of the proposed changes , layouts, infrastructure to be developed and grid connections.

Kind regards

John Geeringh (Pr Sci Nat)  
Senior Consultant Environmental Management  
Eskom Transmission Division: Land & Rights  
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  
P O Box 1091, Johannesburg, 2000.  
Tel: 011 516 7233  
Cell: 083 632 7663  
Fax: 086 661 4064  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)



**From:** Seshni Govender [<mailto:seshni.govender@rhdhv.com>]

**Sent:** 04 March 2020 11:51 AM

**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00

The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

Regards

**Seshni Govender**  
Environmental Consultant

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**South African Civil Aviation Authority  
Interested and Affected Party**

## Seshni Govender

---

**From:** Lizell Stroh <Strohl@caa.co.za>  
**Sent:** Tuesday, November 26, 2019 3:34 PM  
**To:** Seshni Govender  
**Cc:** Malcolm Roods; Prashika Reddy  
**Subject:** RE: Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province,  
**Attachments:** Pylon Geographic co ordinates.xls; Solar Park footprint corners.xls

Good day Seshni, please follow the SACAA procedure and processes for this Authority in providing approval with Conditions if required.

- <http://www.caa.co.za/Documents/Obstacle%20Application%20Process%2020180105.pdf>.
- <http://www.caa.co.za/Obstacles%20Forms/CA139-27.pdf>.
- <http://www.caa.co.za/Pages/Obstacles/Urgent-notice.aspx>
- **Please provide an kml (Google Earth) file reflecting the footprint of the proposed development site including the proposed overhead electric power line route that will evacuate the generated power to the national grid.**
- Also indicate the **highest** structure of the project & the Overhead electric power transmission line.

Kind regards



**Lizell Stroh**  
**Obstacle Inspector**  
**PANS-OPS Section**  
**Air Navigation Services Department**  
**Tel:** +27 11 545 1232 | **Mobile:** +27 083 461 6660  
**Email:** Strohl@caa.co.za | [www.caa.co.za](http://www.caa.co.za)  
Follow us on 

---

**From:** Seshni Govender <seshni.govender@rhdhv.com>

**Sent:** Tuesday, 26 November 2019 10:52

**Cc:** Malcolm Roods <Malcolm.Roods@rhdhv.com>; Prashika Reddy <prashika.reddy@rhdhv.com>

**Subject:** Public Participation for the Proposed 8 new PV developments and amendments of 2 EAs for previously authorised PV developments, Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Interested and Affected Party

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Royal HaskoningDHV Pty Ltd (Royal HaskoningDHV) has been appointed by ACWA Power as an Independent EAP to undertake the BA, WUA and Public Participation Process (PPP) for the proposed project. The PPP entails informing the local authorities, Interested and Affected Parties (I&APs), key stakeholders and landowners about the proposed project. A Background Information Document (BID), including a comment and registration form and a locality map is attached for your information.

Royal HaskoningDHV would like to thank you in advance, for taking part in the PPP and is looking forward to receiving your valuable comments relating to the proposed project.

Regards

**Seshni Govender**  
Environmental Consultant

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## **Birdlife & EWT**



**From:** [Seshni Govender](#)  
**To:** [Sam Ralston](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** RE: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Tuesday, 02 June 2020 08:14:00

---

Hi Sam


Thank you for the response.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za) Royal HaskoningDHV  
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---

**From:** Sam Ralston <[energy@birdlife.org.za](mailto:energy@birdlife.org.za)>  
**Sent:** Monday, 01 June 2020 16:27  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Cc:** Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>  
**Subject:** Re: Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Importance:** High

Hi Seshini

Many thanks for following up again and apologies for the delay in getting back to you. We have no comment on this project.

Kind regards  
Sam

On 01 Jun 2020, at 16:24, Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)> wrote:

[<image001.jpg>](#)

Dear Sam

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191

**From:** [Seshni Govender](#)  
**To:** [Sam Ralston](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** FW: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Thursday, 21 May 2020 10:02:00  
**Importance:** High

---

Hi Ms Ralston-Paton

Hope you are well.


I just wanted to follow up, will be able to provide comments on the above mentioned project ? Please can you provide comments as soon as you can.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender  
**Sent:** Wednesday, 04 March 2020 11:51  
**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00

The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

**From:** [Seshni Govender](#)  
**To:** [Oscar Mohale](#)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:21:00  
**Attachments:** [MD4195-RHD-7Z-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

---



Dear Oscar

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:


<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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## Seshni Govender

---

**From:** Oscar Mohale <oscar@mwt.org.za>  
**Sent:** Monday, 20 April 2020 18:56  
**To:** Seshni Govender  
**Cc:** Prashika Reddy; Malcolm Roods  
**Subject:** RE: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Hi Seshni

I am you are considering to mitigate the high risk collision areas that the Avifaunal specialist will be identifying for you. Yes they diverters are not 100% but they can prevent collisions by up to 90%, which will be important in protecting collision sensitive birds species.

Kind regards

Oscar Mohale

Wildlife and Energy Programme Senior Field Officer

Endangered Wildlife Trust

W + 27 11 372 3600 | C + 27 78 525 9108

Email: [oscar@mwt.org.za](mailto:oscar@mwt.org.za) | Web: [www.mwt.org.za](http://www.mwt.org.za) | Skype: oscar.mohale



Broad-Based Black Economic Empowerment – BBBEE Level 4 Certificate & 95% Civil Society Organisation

PBO number: 930 001 777

NPO number: 015-502 NPO

IT number: IT 6247



---

**From:** Seshni Govender <seshni.govender@rhdhv.com>

**Sent:** Monday, 20 April 2020 16:22

**To:** Oscar Mohale <oscar@mwt.org.za>

**Cc:** Prashika Reddy <prashika.reddy@rhdhv.com>; Malcolm Roods <Malcolm.Roods@rhdhv.com>

**Subject:** FW: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High

Hi Oscar

Please see response from the Avifaunal Specialist below:

Indeed 132 kV do seem to pose a risk to bustards throughout the country and the mitigation measures are bird flight diverters or flappers placed along the lines. These mitigation measures are not 100% effective, however they are the most effective practical measures available. I did recommend that "An avifaunal specialist must conduct a site walk

through of the final Grid Connection route and pylon positions prior to construction to determine if, and where, bird flight diverters (BFDs) are required.”.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
PO Box 867, Gallo Manor, 2052, Gauteng, South Africa



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---

**From:** Oscar Mohale <[oscarm@ewt.org.za](mailto:oscarm@ewt.org.za)>  
**Sent:** Tuesday, 31 March 2020 06:47  
**To:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>  
**Subject:** RE: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

Good day Seshni,

I notice bird/ avifaunal collision with power lines is a concerning challenge for 132 kV Transmission line to Eskom Garona substation. The area is important for a few IUCN Red List species including Bustards. Not sure if you have provided a solution on how this will be mitigated. I am not committing to anything at this stage but we might be able to help you identifying high risk areas of collisions if I go through the right channels (e.g. organisational approvals).

Kind regards  
Oscar Mohale  
Wildlife and Energy Programme Senior Field Officer  
Endangered Wildlife Trust  
W + 27 11 372 3600 | C + 27 78 525 9108  
Email: [oscarm@ewt.org.za](mailto:oscarm@ewt.org.za) | Web: [www.ewt.org.za](http://www.ewt.org.za) | Skype: oscar.mohale



Broad-Based Black Economic Empowerment – BBBEE Level 4 Certificate & 95% Civil Society Organisation  
PBO number: 930 001 777  
NPO number: 015-502 NPO  
IT number: IT 6247



**From:** Seshni Govender <[seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com)>

**Sent:** Monday, 23 March 2020 15:41

**Subject:** Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High

Mimecast Attachment Protection has deemed this file to be safe, but always exercise caution when opening files.



Dear Stakeholder

On 15 March 2020, the President declared South Africa as a national state of disaster, due to the COVID-19 pandemic. In direct response to this Royal HaskoningDHV and ACWA Power would like to bring the following to your attention:

1. The public meeting that was planned to take place on 26 March 2020 has been cancelled.
2. Find attached the presentation that provides a summary of the BA studies undertaken to date. We urge you to go through the presentation and send any questions, comments and queries to us via email or telephone. We are also available to have Skype discussions with you, should you require.
3. The commenting period is still open until **06 April 2020**.
4. Hard copies of the Basic Assessment Reports have been placed at the !Kheis Local Municipality and the Public Library, but we encourage all stakeholders to access the online version on the link: <https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

We thank you for your participation in the project thus far, and look forward to hearing from you albeit under very difficult circumstances.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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# **South African Heritage Resource Agency**



**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS**



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
www.sahra.org.za

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: nhiggitt@sahra.org.za  
CaseID: 14976

Date: Wednesday April 01, 2020  
Page No: 1

## **Final Comment**

**In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)**

Attention: Mr Prabashen Govender  
ACWA Power Energy Africa (Pty) Ltd

**ACWA Power is proposing to construct a solar energy facility consisting of ten (10) photovoltaic (PV) plants on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km north-west of the town of Groblershoop within the !Kheis Local Municipality. On 21 October 2016, a 150 MW Concentrating Solar Power (CSP) plant on 900 ha was authorised by the Department of Environmental Affairs (DEA) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan (IRP) published in October 2019, ACWA Power intends replacing the authorised CSP site with eight (8) new PV plants. The updated layout has been revised to incorporate 8 new PV plants of 200 MW each, covering a total of 1200 ha (i.e. 150 ha for each plant). Two (2) 75 MW PV plants including ancillary infrastructure (Ref 14/12/16/3/3/2/880 and 14/12/16/3/3/2/881), were also authorised by the DEFF on 24 October 2016. The intention to replace the CSP with 8 PV plants will result in development footprint changes of the overall project as well as increase the capacity and an addition of a BESS of the two previously authorised PV Plants. 10 PV Developments on the Farm Bokpoort 390 RE, ZF Mgcawu District Municipality, Northern Cape Province.**

Royal HaskoningDHV (Pty) Ltd has been appointed by ACWA Power Energy Africa (Pty) Ltd to conduct an Environmental Authorisation (EA) Application process for the proposed development of eight 200MW Photovoltaic (PV) plants on the remaining extent of Farm Bokpoort 390, Groblershoop, Northern Cape.

A Basic Assessment Report (BAR) has been submitted in terms of the National Environmental Management Act, 107 of 1998 (NEMA) and NEMA Environmental Impact Assessment (EIA) Regulations. The submitted BAR will assess the impacts for eight separate EA application. These applications are outlined in Table 1 on page 3 of the BAR. The proposed development will include the construction of eight PV plants (150 ha each) with associated infrastructure such as cabling between the structures, a new 132KV overhead powerline, and internal access roads. Other infrastructure has been previously approved.

Natura Viva cc and Dr van Schalkwyk have been appointed to provide heritage specialist input as part of the EA process as per section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA) as required by section 24(4)b(iii) of NEMA.

# BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS



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T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 14976

Date: Wednesday April 01, 2020  
Page No: 2

*Almond, J. E. 2020. Palaeontological Impact Assessment Desktop Study: Proposed Bokpoort II Solar Power Facility on the remaining extent of Farm Bokpoort 390 near Groblershoop, Northern Cape Province.*

The proposed development is underlain by Precambrian basement rocks of the Namaqua-Natal Province that do not contain fossils. These rocks are overlain by Late Caenozoic superficial sediments such as Quaternary aeolian sands of the Gordonia Formation along with calcretes and alluvium of the Orange River. These sediments are of low palaeontological sensitivity. A Chance Fossils Finds Procedure is recommended to be followed and included in the EMPr, which has been provided as an appendix to the report.

*Van Schalkwyk, J. A. 2020. Phase 1 Cultural Heritage Impact Assessment: The proposed Bokpoort II PV Solar Power Facilities on the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape Province.*

Low density surface scatters of Middle Stone Age lithics were identified within the proposed development area. These resources were assessed to have a low heritage significance. A Chance Finds Procedure is recommended to be followed.

## Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final BAR and EMPr:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit no objections to the proposed development;
- 38(4)b – The recommendations of the specialists are supported and must be adhered to. No further additional specific conditions are provided for the development;
- 38(4)c(i) – 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/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV PLANTS**



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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 14976

Date: Wednesday April 01, 2020  
Page No: 3

section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;

- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
  - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. 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;
- The Final BAR and EMPr must be submitted to SAHRA for record purposes;
- The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

---

Phillip Hine  
Manager: Archaeology, Palaeontology and Meteorites Unit  
South African Heritage Resources Agency

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV)  
PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY  
ENERGY STORAGE SYSTEMS (BESS) ON TWO PREVIOUSLY AUTHORISED PV  
PLANTS**



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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 14976

Date: Wednesday April 01, 2020  
Page No: 4

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/535279>  
(DEA, Ref: )

**Terms & Conditions:**

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.

**Northern Cape Department of Cooperative  
Governance Human Settlements and Traditional  
Affairs**



# COGHSTA

Department:  
Cooperative Governance, Human Settlements  
and Traditional Affairs  
NORTHERN CAPE PROVINCE

Larry Moleko Louw Building  
9 Cecil Sussman Road  
Private Bag X5005  
Kimberley  
8300

Tel. 053 830 9514  
Fax: 053 830 8016

Enquiries : B.S Lenkoe  
Dipatlisiso :  
Imibuzo :  
Navrae :

Reference : L1.3.1  
Tshupelo :  
Isalathiso :  
Verwysings :

Date : 10/03/2020  
Leshupelo :  
Umhla :  
Datum :

## ROYAL HASKONINGDHV (PTY) LTD

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

Attention: Sheshni Govender

**COMMENTS ON THE BASIC ASSESSMENT REPORT REGARDING EIGHT NEW EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE !KHIES LOCAL MUNICIPALITY, NORTHERN CAPE.**

1. The above refers.
2. Department Co-operative Governance, Human Settlements and Traditional Affairs hereby acknowledge the receipt of the above mentioned Basic Assessment report received on the **04<sup>th</sup> March 2020**.
3. This letter serve to inform you that this Department has no objection to the approval of the above mentioned Basic Assessment Report received on the **04<sup>th</sup> March 2020**.

I trust that this meets your favourable consideration

Yours faithfully,

.....  
Mr BS LENKOE  
HEAD OF DEPARTMENT

2020/03/16  
DATE

Interested and Affected Party

**ROYAL HASKONINGDHV (PTY) LTD**

21 Woodlands Drive  
Building 5  
Country Club Estate  
Woodmead  
Johannesburg  
2191

+27 87 352 1500 T

+27 11 798 6005 F

Johannesburg@rhdhv.com E

royalhaskoningdhv.com W

Date:	02 March 2020	Contact name:	Seshni Govender
Your reference:		Telephone:	087 352 1592
Our reference:	MD4195-RHD-ZZ-XX-CO-YE-0001	Email:	seshni.govender@rhdhv.com
Classification:	Project related		

Dear Interested and Affected Party

**BASIC ASSESSMENT PROCESSES FOR EIGHT NEW PHOTOVOLTAIC (PV) PLANTS AS WELL AS INCREASE IN CAPACITY AND ADDITION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) FOR TWO PREVIOUSLY AUTHORISED PV PLANTS ON THE NORTH-EASTERN PORTION OF THE REMAINING EXTENT (RE) OF THE FARM BOKPOORT 390, GROBLERSHOOP WITHIN THE !KHEIS LOCAL MUNICIPALITY**

ACWA Power Energy Africa (Pty) Ltd (hereafter referred to as ACWA Power) is proposing to construct a solar energy facility consisting of ten (10) photovoltaic (PV) plants on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km north-west of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province.

On 21 October 2016, a 150MW Concentrated Solar Power (CSP) plant on 900ha was authorised by the Department of Environment, Forestry and Fisheries – DEFF (then Department of Environmental Affairs) – Ref 14/12/16/3/3/2/879. Due to the changes in the Integrated Resource Plan published in October 2019, ACWA Power intend replacing the authorised CSP site with 8 new PV plants. The updated layout has been revised to incorporate the 8 new PV plants of 200MW each, covering a total of 1200ha (i.e. 150ha for each plant) on Remaining Extent of the Farm Bokpoort 390. As the PV 1 and PV 2 plants are also approved on the Farm Bokpoort 390, the footprints of these approved PV plants will undergo an amendment to accommodate the 8 new PV plants and ancillary infrastructure (see below for more detail).

Each of the PV plants will consist of the following infrastructure:

- Solar PV panel that will be able to deliver up to 200 MW to the Eskom National Grid;
- Inverters that convert direct current (DC) generated by the PV modules into alternating current (AC) to be exported to the electrical grid;

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Reg No. 1966/001916/07

Directors: SW Sithole | AAH Mastenbroek (Dutch) | SS Sewlal |  
WM Stear | BNS Ntuli | M Belle | MP Matlawa



- A transformer that raises the system AC low voltage to medium voltage. The transformer converts the voltage of the electricity generated by the PV panels to the correct voltage for delivery to Eskom;
- Transformer substation; and
- Instrumentation and Control consisting of hardware and software for remote plant monitoring and operation of the facility.

Associated infrastructure includes:

- Mounting structures for the solar panels;
- Cabling between the structures, to be laid underground where practical;
- A new 132 kV overhead powerline (servitude spanning 15.5 m on both sides with towers that will be 35 m high) which will connect the facility to the National Grid via Eskom's existing Garona Substation;
- Battery Energy Storage System (BESS);
- Internal access roads (4 – 6 m wide roads will be constructed but existing roads will be used as far as possible) and fencing (approximately 3 m in height); and
- Shared infrastructure consisting of buildings, including a workshop area for maintenance, storage (i.e. fuel tanks, etc.), laydown area, parking, warehouse, and offices (previously approved).

Individual applications for Environmental Authorisation will be lodged per plant (8 applications), however, one Basic Assessment (BA) study is applicable to the entire development footprint for the 8 individual plants.

Two (2) 75MW PV plants including ancillary infrastructure [Ref 14/12/16/3/3/2/880 (PV2) and 14/12/16/3/3/2/881 (PV1)], were also authorised by the DEFF on 24 October 2016. The two aforementioned PV plants will undergo a Non-substantive Amendment process with the following key amendments:

- Name changes – PV 1 and PV 2 to *Ndebele* and *Xhosa* respectively;
- Updated co-ordinates of each PV plant;
- Reduction in development footprint from 250ha to 150ha; and
- Updated technical description.

A second Basic Assessment study is being undertaken to accommodate the following on the already authorised Xhosa and Ndebele PV Plants:

1. The BESS that will be associated with the Ndebele PV Plant (formerly PV 1) and the Xhosa PV Plant (formerly PV2). This activity was applied for in the original environmental process but was not approved due to lack of information with regards to the type of technology to be used. Each BESS footprint is approximately 16ha and will store 4500m<sup>3</sup> of hazardous substances with a battery power capacity of 150MW.
2. The electricity generation capacity of the PV 1 & 2 Plants will be 200 MW [75 MW was originally approved in the EAs dated 24/10/2016 (Ref: 14/12/16/3/3/2/881 & Ref 14/12/16/3/3/2/880). It was confirmed in the IQ/20/0004 correspondence from DEFF that the electricity generation of more than 20MW from a renewable resource listed activity is now triggered and must be applied for due to the increase in capacity].

With respect of the above, the applicant, ACWA Power is therefore undertaking two Basic Assessment studies and a non-substantive amendment process as contemplated in the EIA Regulations 2014 (as amended in 2017) for the process of applying for authorisations for the above proposed developments to the Competent Authority i.e. DEFF.

The draft cBAR is now available for review and comment from 06 March – 06 April 2020. Please can we have comments on or before 06<sup>th</sup> April 2020.



The report is available electronically on the following link:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**

Environmental Consultant

Roads and Rail

087 352 1592

seshni.govender@rhdhv.com

# **Department of Human Settlement Water and Sanitation**

**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [cloetes@dwa.gov.za](mailto:cloetes@dwa.gov.za)  
**Cc:** [Prashika Reddy](mailto:Prashika.Reddy); [Malcolm Roods](mailto:Malcolm.Roods)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:20:00  
**Attachments:** [MD4195-RHD-77-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

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Dear Mr Cloete

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:


<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191  
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**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [cloetes@dwa.gov.za](mailto:cloetes@dwa.gov.za); [Thebe@dwa.gov.za](mailto:Thebe@dwa.gov.za)  
**Cc:** [Prashika Reddy](mailto:Prashika.Reddy); [Malcolm Roods](mailto:Malcolm.Roods)  
**Subject:** RE: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Thursday, 21 May 2020 09:17:00  
**Importance:** High

---

Hi

Hope you are well.

Please can we receive your comments for the above mentioned project as soon as you can, if no comments are received can it be assumed that the department is satisfied with the project ?

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender  
**Sent:** Thursday, 26 March 2020 15:33  
**To:** [cebekhulum@dwa.gov.za](mailto:cebekhulum@dwa.gov.za); [ShibambuS@dwa.gov.za](mailto:ShibambuS@dwa.gov.za); [cloetes@dwa.gov.za](mailto:cloetes@dwa.gov.za); [towellj@dwa.gov.za](mailto:towellj@dwa.gov.za); [snydersl@dwa.gov.za](mailto:snydersl@dwa.gov.za); [abrahams@dwa.gov.za](mailto:abrahams@dwa.gov.za)  
**Cc:** Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>  
**Subject:** FW: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High

Hi

Hope you are well. I would just like to enquire if the department will be commenting on the reports and please can you provide the comments as soon as you can.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender

**Sent:** Monday, 23 March 2020 15:41

**Subject:** Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Stakeholder

On 15 March 2020, the President declared South Africa as a national state of disaster, due to the COVID-19 pandemic. In direct response to this Royal HaskoningDHV and ACWA Power would like to bring the following to your attention:

1. The public meeting that was planned to take place on 26 March 2020 has been cancelled.
2. Find attached the presentation that provides a summary of the BA studies undertaken to date. We urge you to go through the presentation and send any questions, comments and queries to us via email or telephone. We are also available to have Skype discussions with you, should you require.
3. The commenting period is still open until **06 April 2020**.
4. Hard copies of the Basic Assessment Reports have been placed at the !Kheis Local Municipality and the Public Library, but we encourage all stakeholders to access the online version on the link:  
<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

We thank you for your participation in the project thus far, and look forward to hearing from you albeit under very difficult circumstances.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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# ZF Mgcawu District Municipality

**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [jmy@zfm-dm.gov.za](mailto:jmy@zfm-dm.gov.za); [fpr@zfm-dm.gov.za](mailto:fpr@zfm-dm.gov.za)  
**Cc:** [Prashika Reddy](mailto:Prashika.Reddy); [Malcolm Roods](mailto:Malcolm.Roods)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:17:00  
**Attachments:** [MD4195-RHD-77-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

---



Dear Ms Yawa and Mr Ruppig

Please find attached latest communication about the project, please may we have your comments from the district municipality on the specified dates.

You may access the documents via the link below:


<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [jmy@zfm-dm.gov.za](mailto:jmy@zfm-dm.gov.za); [fpr@zfm-dm.gov.za](mailto:fpr@zfm-dm.gov.za)  
**Cc:** [Prashika Reddy](mailto:Prashika.Reddy); [Malcolm Roods](mailto:Malcolm.Roods)  
**Subject:** RE: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Thursday, 21 May 2020 09:32:00  
**Importance:** High

---

Hi Ms Yawa and Mr Ruppig

Hope you are well.


I just wanted to follow up, please can you provide comments for the above mentioned project from the district municipality.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** Seshni Govender  
**Sent:** Thursday, 26 March 2020 15:12  
**To:** [jmy@zfm-dm.gov.za](mailto:jmy@zfm-dm.gov.za)  
**Cc:** Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>; [fpr@zfm-dm.gov.za](mailto:fpr@zfm-dm.gov.za)  
**Subject:** FW: Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High

Hello Ms Yawa

Hope you are well.

My name is Seshni Govender, I am an environmental consultant with Royal HaskoningDHV, we have been appointed by ACWA power to undertake environmental authorisation processes on their behalf, as part of the public participation, we require comment from the district municipality, I have previously sent through communication to Mr Ruppig who has been listed as the environmental manager. I called the district municipality and they indicated that you are the responsible person to provide comments on these reports. Please can you review the documents on the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

If you are not the responsible person, please can you provide the contact details of the person.

Thank you for your assistance.


Regards



**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender  
**Sent:** Monday, 23 March 2020 15:41  
**Subject:** Public Meeting: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High



Dear Stakeholder

On 15 March 2020, the President declared South Africa as a national state of disaster, due to the COVID-19 pandemic. In direct response to this Royal HaskoningDHV and ACWA Power would like to bring the following to your attention:

1. The public meeting that was planned to take place on 26 March 2020 has been cancelled.
2. Find attached the presentation that provides a summary of the BA studies undertaken to date. We urge you to go through the presentation and send any questions, comments and queries to us via email or telephone. We are also available to have Skype discussions with you, should you require.
3. The commenting period is still open until **06 April 2020**.
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<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

We thank you for your participation in the project thus far, and look forward to hearing from you albeit under very difficult circumstances.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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# **Northern Cape Department of Environment and Conservation**



Waybill & POD Details for Waybill **ROA1618755**

Waybill Details						
ROA1618755	03.03.2020	MS D MOLEKO	ONX	JNB	KIM	1

POD Details			
04.03.2020	10:20:08	dineo	

**Signature**

ROA1618755  
04/03/2020 - 10:20

References		
MD4195-101-100	1	-

Waybill Event Details		
03.03.2020	09:17:00	Ready for collection
03.03.2020	19:36:09	Collection checked in at Johannesburg facility
03.03.2020	22:24:39	Loaded on manifest to Kimberley facility
04.03.2020	06:51:40	Checked in at Kimberley facility
04.03.2020	07:02:06	Processing Consignment
04.03.2020	10:19:25	Delivered

Want to get notified about your shipment?

**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [dmoleko@ncpg.gov.za](mailto:dmoleko@ncpg.gov.za)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** Availability of BA Reports for 8 New PV Plants as well as increase in capacity and addition of a BESS for 2 Previously Authorised PV Plants, !Kheis Local Municipality  
**Date:** Monday, 01 June 2020 16:18:00  
**Attachments:** [MD4195-RHD-77-XX-CO-YF-IAP's\\_Rev BAR\\_F01.pdf](#)  
**Importance:** High

---



Dear Ms Moleko

Please find attached latest communication about the project, please may we have your comments on the specified dates.

You may access the documents via the link below:


<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>

Regards

**Seshni Govender**  
Environmental Consultant

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**From:** [Seshni Govender](mailto:Seshni.Govender)  
**To:** [dmoleko@ncpg.gov.za](mailto:dmoleko@ncpg.gov.za)  
**Cc:** [Prashika Reddy](mailto:Prashika.Reddy); [Malcolm Roods](mailto:Malcolm.Roods)  
**Subject:** RE: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Date:** Thursday, 21 May 2020 09:26:00  
**Importance:** High

---

Hi Ms Moleko

Hope you are well.


I just wanted to follow up, please can you provide comments on the above mentioned report as soon as you can.

Regards

**Seshni Govender**  
**Environmental Consultant**

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** Seshni Govender  
**Sent:** Thursday, 26 March 2020 15:20  
**To:** [dmoleko@ncpg.gov.za](mailto:dmoleko@ncpg.gov.za)  
**Cc:** Prashika Reddy <[prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)>; Malcolm Roods <[Malcolm.Roods@rhdhv.com](mailto:Malcolm.Roods@rhdhv.com)>  
**Subject:** FW: Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province  
**Importance:** High

Hello Ms Moleko

Hope you are well.

I just wanted to follow up with you, have you received the basic assessment reports for the above mentioned project ? Please can you provide an acknowledgement.


Please can you provide comments as soon as you can.

Thank you for the assistance.

Regards

**Seshni Govender**  
**Environmental Consultant**

D 087 352 1592 | M 072 442 0086 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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---

**From:** Seshni Govender

**Sent:** Wednesday, 04 March 2020 11:51

**Subject:** Availability of BA report: For 8 New PV Plants as well as an increase in capacity and an Addition of Battery Energy Storage Systems (BESS) on the farm Bokpoort near Groblershoop, Northern Cape Province

**Importance:** High



Dear Stakeholder

Please find attached correspondence regarding the above mentioned project.

Please take note of the Public Meeting details:

Date: 26 March 2020

Venue: !Kheis Local Municipality, Council Chambers, 97 Oranje Street, Groblershoop

Time: 11:00-13:00


The documents can be accessed via the link below:

<https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports>.

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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**From:** [Seshni Govender](mailto:Seshni.Govender@environment.gov.za)  
**To:** [NCEIAapplications@environment.gov.za](mailto:NCEIAapplications@environment.gov.za)  
**Cc:** [Prashika Reddy](#); [Malcolm Roods](#)  
**Subject:** Commenting Authority- BA Processes for 8 new PV Plants and an Increase in Capacity and Addition of BESS for 2 previously authorised PV plants on the farm Bokpoort, NC Province  
**Date:** Tuesday, 09 June 2020 16:31:00  
**Attachments:** [Waybill NCDENC.pdf](#)  
[MD4195-RHD-ZZ-XX-CO-YE-IAP"s F01.pdf](#)  
**Importance:** High

---



Hi


The Northern Cape Department of Environment and Conservation is a commenting authority on the project mentioned, the Public Participation Process was initiated on the 6<sup>th</sup> March 2020 and copies of the reports was sent to the department for comment to Ms Dineo Moleko but we have not received any comments thus far, is there any way that we can obtain comments from the department ?

Regards

**Seshni Govender**  
Environmental Consultant

D 087 352 1592 | E [seshni.govender@rhdhv.com](mailto:seshni.govender@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
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## Appendix G: Issues Trail



Issue	Raised by	Comment/Response
<p>The proposed project changes have to be registered on the IDP of the municipality by way of a written submission addressed to the office of the Municipal Manager.</p>	<p>Mr Floyd Leeuw Municipal Manager - !Kheis Local Municipality Written submission via the BID document comment sheet 02/12/2019</p>	<p>The Municipality has been requested to provide further details regarding the registration process.</p>
<p>Secondly, there must be a commitment that at least 4MW (negotiable) will be for the direct benefit of the municipality for current and future developments.</p>		<p>ACWA Power intends submitting a bid for the projects in the Department of Energy's Renewable Energy Independent Power Producer Procurement Programme (REIPPP) Purchase Agreement (PPA) with Eskom Holdings SOC Ltd. In terms of this agreement, the buyer being ACWA Power needs to warrant the Seller being Eskom, that:</p> <ol style="list-style-type: none"> <li>1. It has sole purpose, object and business of undertaking the project and selling energy in terms of this agreement; and</li> <li>2. The Seller is not subject to any obligation or non-compliance which is likely to have a material adverse effect on its ability to conduct the project.</li> </ol> <p>Based on the above, ACWA Power is unable to make a commitment toward the provision of the requested 4MW (negotiable) for the direct benefit of the Municipality for its current and future developments. It should be noted that these projects will connect to the National grid and increase the national supply in the country which will indirectly benefit the Municipality. Also note that as part of the REIPPP, projects are required to commit towards social-economic development initiatives, and the project will endeavour to include the development of social infrastructure including (electrification) as part of this initiatives.</p>
<p>Furthermore, requisite Heads of Agreement will have to be reviewed.</p>		<p>The project is currently undergoing early stage of project development such as obtaining project approvals and permits. Post this stage, the Municipality will be engaged to further discuss the project as well as Heads of Agreement.</p>

Issue	Raised by	Comment/Response
Possible glare from PV cells.	Mr Gilbert Nortier IOM Rail Network Transnet Freight Rail Email submission 26/11/2019	The Bokpoort CSP is adjacent to the railway line and has been operating for many years now without any incidents impacting train drivers. The CSP technologies use mirrors that has high reflectivity and correspondingly high glare indication relative to PV panels that are not designed to reflect sunlight but rather to absorb sunlight. To date the Bokpoort CSP has had no negative impact on the train drivers in terms of glare and it can be inferred that the panels which are less reflective than CSP mirrors will not have a glare risk on train drivers.
Contractors may not use the TFR Service Road.		Access to the Bokpoort CSP site has been through the Transnet Service Road throughout construction and current operational phases. The construction was well managed from a health, safety and environmental, (HSE), perspective, in terms of the road. The Bokpoort CSP plant regularly maintains this section of the road. The CSP project has heavy equipment and was managed without negatively impacting the road, whilst PV plants are very lightweight and corresponding impact on road is expected to be minimal. As the only access road in the area ACWA Power will take the necessary precautions from an HSE perspective in managing our contractors. ACWA Power have successfully managed this prior and foresee no problems doing the same in the future. ACWA Power would welcome a meeting to discuss an acceptable right of use agreement for this road.
No structures to be built on TFR property.		The plan is to only construct on the PV plant land areas. These areas are demarcated on drawings and verified with geospatial co-ordinates. ACWA Power can confirm that none of the structures will be on Transnet land.
No blasting from the track and TFR boundary.		There are no heavy equipment requirements for a PV plant, so there is no need for extensive blasting to cater for light weight PV structures. Previous construction for the Bokpoort CSP in the same vicinity, with similar terrain, did

Issue	Raised by	Comment/Response
		not require significant blasting. In the unlikely event that blasting is required, all necessary safety and other notification protocols will be abided by inclusive of any specific Transnet requirements.
No excavations and other services from the TFR boundary.	Mr Gilbert Nortier IOM Rail Network Transnet Freight Rail Email submission 26/11/2019	No excavations will be required on Transnet land. All construction will be on the Remaining Extent of the farm Bokpoort as described in the EIA process.
No equipment or heavy plant crossing of the tracks.		We would only be travelling on the road to the construction site. We can confirm there is no need to cross any Transnet tracks.
Applications for 50kV OHTE permits.		It is the responsibility of the Project Company and the contractors to ensure that all permits are in place and complied to, ensuring all HSE requirements are met - we do not envisage any shortcomings in this area. In the unlikely event there is a need for an OHTE permits, all necessary Transnet protocols will be followed and adhered to.
Please follow the SACAA procedure and processes for this Authority in providing approval with conditions if required.	Lizell Stroh Air Navigation Services Department South African Civil Aviation Authority 26/11/2019	The applicant will have to undertake the necessary authorisation process in terms of the Civil Aviation Act, 2009 and Regulations, 2011 once Final Design is available. An application has been made to the SA Civil Aviation Authority by the applicant.
I'm not satisfied with the timing of your Public Participation process. Sent 26/11/2019 and comment window open for 30 days.  This PPP must start in the middle of January 2020.  I want to be included in the process, as I'm an affected party.	Mr Peter Kotze Interested and Affected Party Email Submission 02/12/2019	The correspondence which you have received is just part of the initial project notification. The initial stage (which is the provision of the Background Information Document) is to make the stakeholders aware of the project and to provide background on how the process will be handled as well as the steps involved in our public participation process.  Please note that the regulated 30-day commenting period has not begun and will only commence next year once we

Issue	Raised by	Comment/Response
		<p>have finalised all specialist studies and prepared the environmental report (it is envisaged that the draft consultation Basic Assessment report will be circulated for public comments during March 2020).</p> <p>You are encouraged to send through any comments from now until the end of the official 30-day commenting period (which has not started) as prescribed by the EIA regulations 2014 (as amended).</p> <p>As the environmental process unfolds, we will notify stakeholders of all relevant information.</p>
<p>This letter serves to inform you that this Department has no objection to the approval of the above-mentioned Basic Assessment Report received on the 04<sup>th</sup> March 2020.</p>	<p>Mr BS Lenkoe Northern Cape Province Department: Cooperative Governance, Human Settlements and Traditional Affairs Head of Department Email Submission 06/03/2020</p>	<p>The comment has been noted with no further input required.</p>
<p>Please find attached Eskom requirements for works at or near Eskom infrastructure. Please take note of the setback document requirements carefully.</p> <p>Please send me a KMZ file of the proposed changes, layouts, infrastructure to be developed and grid connections.</p>	<p>John Geeringh Eskom Transmission Division: Land &amp; Rights Senior Consultant Environmental Management Email Submission 06/03/2020</p>	<p>All development to be undertaken in close proximity to Eskom's infrastructure will adhere to the Eskom's requirements.</p> <p>The KMZ was forwarded to Mr Geeringh on 25 May 2020.</p>
<p>There seems to be no diagrams attached that show where exactly the construction will take place. Also, we need to know the type of machinery that will be moving in the construction area and then we can advise on the impact that will be posed to our infrastructure, by this proposed work.</p>	<p>Marina Lourens Transnet Email Submission 19/03/2020</p>	<p>The layout was forwarded to Ms Lourens on 25 May 2020. The type of machinery is not known as yet as there are different types of installations.</p>

Issue	Raised by	Comment/Response
<p>I notice bird/ avifaunal collision with powerlines is a concerning challenge for 132kV Transmission line to Eskom Garona substation. The area is important for a few IUCN Red List species including bustards. Not sure if you have provided a solution on how this will be mitigated. I am not committing to anything at this stage but we might be able to help you identifying high risk areas of collisions if I go through the right channels (e.g. organisational approvals).</p>	<p>Oscar Mohale Endangered Wildlife Trust Wildlife and Energy Programme Senior Field Officer Email Submission 31/03/2020</p>	<p>132kV powerlines do seem to pose a risk to bustards throughout the country and the mitigation measures are bird flight diverters or flappers placed along the lines. These mitigation measures are not 100% effective; however they are the most effective practical measures available. To this end the Avifaunal specialist recommended the following (included in the Generic overhead transmission line EMPr) - <i>“An avian specialist must conduct a site walk through of the final Grid Connection route and pylon positions prior to construction to determine if, and where, bird flight diverters (BFDs) are required.”</i></p>
<p>I am happy you are considering mitigating the high-risk collision areas that the Avifaunal specialist will be identifying for you. Yes, the diverters are not 100% but they can prevent collisions by up to 90%, which will be important in protecting collision-sensitive bird species.</p>	<p>Oscar Mohale Endangered Wildlife Trust Wildlife and Energy Programme Senior Field Officer Email Submission 20/04/2020</p>	<p>Comment and reiteration of the Avian specialist's recommendations are supported and noted.</p>
<p>The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final BAR and EMPr:</p> <ul style="list-style-type: none"> <li>▪ 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit no objections to the proposed development;</li> <li>▪ 38(4)b – The recommendations of the specialists are supported and must be adhered to. No further additional specific conditions are provided for the development;</li> <li>▪ 38(4)c(i) – 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</li> </ul>	<p>Natasha Higgitt Heritage Officer South African Heritage Resources Agency Written Submission 01/04/2020</p>	<p>The recommendation mitigation measures provided by SAHRA in their Final Comment dated 01 April 2020 have been incorporated in the BAR and EMPr for the project.</p> <p>The Final BAR and EMPr will be submitted to SAHRA for record purposes and the decision regarding the EA Application will be communicated to SAHRA and uploaded to the SAHRIS Case application once received.</p>

Issue	Raised by	Comment/Response
<p>the proposed development, SAHRA APM Unit (Natasha Higgitt/ Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;</p> <ul style="list-style-type: none"> <li>▪ 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/ Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section</li> <li>▪ 51(1)e of the NHRA and item 5 of the Schedule;</li> <li>▪ 38(4)d – See section 51(1) of the NHRA;</li> <li>▪ 38(4)e – The following conditions apply with regards to the appointment of specialists:</li> <li>▪ If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. 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;</li> <li>▪ The Final BAR and EMPr must be submitted to SAHRA for record purposes;</li> <li>▪ The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.</li> </ul>		
<p>Traffic (applicable to all 10 PV plants) - Travel to and from the PV plants by personnel, deliveries and visitors will add to the existing traffic on the approach roads, affecting road safety, create dust from unpaved roads and road surface quality as experienced by existing road users during the</p>	<p>Johannes Kotzé Interested and Affected Party Email Submission 06/04/2020</p>	<p>As rightly indicated in the comments raised, the Department of Environmental Affairs, Forestry and Fisheries (DEFF) gazetted a notice suspending all environmental impact assessment processes in line with the lockdown regulations. As such the environment</p>

Issue	Raised by	Comment/Response
<p>construction phase. During operations, heavy vehicle volumes will be reduced.</p> <p>My farm is situated on Bokpoort Portion 1 and I am directly affected by the existing Solar Plant and also by the planned extension. While the first phase was being built we were ensured that the access roads would have been maintained in the form of dust suppression and regular grading. However, none of these actions happened and we as affected parties had numerous meetings with the relevant Solar Plant parties. We were assured that all road maintenance would be done. Phase 1 was built and completed and we as affected parties had to fight for the road to be resurfaced and eventually that was done by the Department of Road Works and NOT by the Solar Plant as agreed.</p> <p>Maintaining the road after completion was once again reverted to the affected parties. We had to make plans and are paying portions of the road maintenance, which is unacceptable.</p> <p>My concern with the next phase is that the above problems will continue despite reassurances from all your assessments. You have identified the problem with heavy vehicles and increased traffic on access roads, but I don't see any assurance or commitments that anything will be done differently than with phase 1. The public meeting which would have been held on 28 March 2020 was cancelled due to the COVID-19 Lockdown and now you simply ask for a written response. I think this is unacceptable and that the meeting MUST be take place after the Lockdown is lifted so that we can address all our concerns and that it will be noted in your assessment along with a solution to the upkeep of the access roads.</p>		<p>assessment practitioner (EAP) had to notify all interested and affected parties about the suspension of the public meeting which had been set down for 26 March 2020. The suspension of the meeting comes as a result of the lockdown and should in no way be viewed as an impediment for stakeholders, EAP and developer from communicating. To date, we have not heard any feedback from the DEFF regarding a way forward on this matter and wish to propose an online/teleconference meeting with you to address comments raised. In this respect we would greatly appreciate that you revert with dates and times that would suit you such a meeting.</p> <p>Regarding the issue of the road, we wish to affirm our commitment to undertake these developments in a manner that mitigates against safety risks and negative impacts on the economic and social well-being of all our stakeholders. These 8 projects are being developed and permitted with a view towards bidding them in the South Africa's renewable energy independent power producer procurement programme (REIPPPP). The REIPPPP is a competitive procurement process in which each project is bid individually. There is therefore no guarantee that the project sponsor will be awarded any or all of the projects under the REIPPPP.</p> <p>The cost of tarring the road is relatively high. In the event that we are awarded all 8 projects it may be economically feasible to split such costs across the projects and with equitable contributions from other users and the municipality, tarring of the road will be possible. Unfortunately, if only one or two projects are awarded the cost of tarring the road will be prohibitively high and will make the projects economically unviable.</p>

Issue	Raised by	Comment/Response
<p>The only solution we see fit is that the access roads be upgraded to tar roads to address the problem of heavy traffic and dust volume. We are in the table grape export market and the quality of the grapes is directly affected by the bad roads and increasing dust volumes that will occur with the building of phase 2 as <u>did happen</u> during the building of phase 1.</p> <p>The maintenance also increased due to the bad condition of the access roads when phase 1 was under construction. The same will happen if phase 2 is to be implemented without the upgrading of all access roads.</p> <p>Please acknowledge receipt of this email. I await your date for the next public meeting after Lockdown is lifted.</p>		<p>Notwithstanding that tarring may be possible under the circumstances described above, we remain committed to ensuring:</p> <ul style="list-style-type: none"> <li>▪ Adequate safety measures are put in place such as speed monitoring and enforcement, training of staff and contractors and limiting the frequency and flow of traffic.</li> <li>▪ Adequate dust suppression mitigation measures are implemented such as regular spraying.</li> <li>▪ Maintenance of the road ensuring regularly grading and corrective maintenance.</li> </ul> <p>We also wish to highlight that the traffic volumes expected for PV plants are far less than that required for plants such as the Bokpoort CSP plant (detailed information regarding traffic volumes and project schedule has been included in the traffic impact assessment report).</p>
<p>I just want to say I can't agree more what Johannes Kotze is saying.</p> <p>Just to confirm, during phase 1 promises were made regarding the road, and that was not kept at all. This time round we can't go on promises, we need confirmation in the contract that the road will be tarred, otherwise no phase 2 will be possible.</p> <p>A lot of lives were lost during construction of phase 1, and on top of that there was a lot of accidents that also could have been fatal. We also have a farm on that road and Elzette Ehlers, living there and driving to school every morning was driven off the road more than once when people take changes to pass in the dust on the gravel road.</p> <p>Just the upgrade of the gravel road is not an option either, because the road cant handle that kind of traffic in the first place, and secondly afterwards the maintenance will fall back to the farmers and that was never the agreement in the first place!!</p>	<p>Wilco Fourie Interested and Affected Party Email Submission 06/04/2020</p>	<p>Furthermore, it should be noted that these projects are separate to the Bokpoort CSP plant and is not a second phase of this plant. These projects are a different technology (PV as opposed to CSP) and will have different shareholders.</p> <p>Regarding the provision of EIA copies of the road upgrade, we suggest that the Bokpoort CSP Plant be contacted for further information: Name: Christo Spammer Designation: CEO Mobile: 074 750 6024</p> <p>Subsequent to the response above, a meeting was held on 18 June 2020 at the !Kheis Riverside Lodge during the review of the draft CBARs. Mr Johannes Kotze attended in person and Mr Peter Kotze dialled into the meeting.</p>



Issue	Raised by	Comment/Response
<p>With the building of the solar farm, we as farmers are the loosing parties. With a lot of additional traffic on the road, like the previous time, livestock will get poached and al lot of additional people get access to our farm, especially with the new pipeline that must be installed somewhere. We had a really bad experience the previous time round with this process. So therefore, a tar road is the bare minimum requirement. Without that we will fight this deal as far as possibly from happening.</p> <p>Like Johannes said, there was also no meeting with the affected parties and that is completely unacceptable.</p> <p>Please respond to these mails and let us know what you are about to do about this.</p>		
<p>Just to clarify dates.</p> <p>The State President 'did' declare a state of emergency on the 15<sup>th</sup> March 2020 but the lockdown was only declared on Monday 23<sup>rd</sup> March and it only came into effect at 00h00 on Friday morning 27<sup>th</sup> March 2020.</p> <p>The declared state of emergency did not restrict movement only when the lockdown was declared rules of movement/restrictions were billed and enforced.</p> <p>This one-sided decision to cancel the planned public participation meeting dd. 26<sup>th</sup> March 2020 is not acceptable. If it was a unanimous decision between the registered affected parties and Royal HaskoningDHV it would have been acceptable and understood.</p> <p>I therefore request the PP meeting to be postponed till after the lockdown.</p> <p>I need an email answer to the above statement and request.</p>	<p>Peter Kotze Interested and Affected Party Email Submission 06/04/2020</p>	

Issue	Raised by	Comment/Response
<p>I am not against “development”. I fully support solar power generation and think this is the future.</p> <p>The expansion of the plant is not a problem, but the public gravel road used by the contractors and AQWA Power is the issue.</p> <p>Many agreements between, us (farmers using and being dependant on the road), and construction contractors and AQWA power were not honoured by the latter two (I have documents/proof).The latest agreement, Bokpoort CSP offered to pay 37% of the grader cost and us 4 farmers have to pay 63%. 80% of the current transport on the road visit Bokpoort CSP (Bokpoort CSP pleaded lack of FUNDS that’s why they could not afford to assist with a larger contribution?) How can they upgrade/ expand their plant if they are so cash trapped that they can’t even maintain the road?</p> <p>FAIR AGREEMENT!!! Who is exploiting Who?</p> <p>EIMS did an EIA regarding the upgrade of the road, what happened to those documents? I think all the issues were raised in that study. Can I have copies of that EIA please.</p> <p>The PV upgrade/construction must not proceed unless the road is upgraded to a tarred road before the construction starts.</p> <p>I await your response.</p>		
<p>During the construction and maintenance of the plant, which roads will be used to access the sites? The reason I am asking is that the service roads along the track are private roads to Transnet.</p>		<p>Please see response below regarding the access road from the attached correspondence that was sent to your colleagues previously.</p>

Issue	Raised by	Comment/Response
	<p>Mr Terence Yengwa            Depot Engineering Manager Upington            Transnet            Email Submission            02/06/2020</p>	<p><i>Access to the Bokpoort CSP site has been through the Transnet road throughout construction and current operational phases. The construction was well managed from a health, safety and environmental, (HSE). perspective, in terms of the road. The Bokpoort CSP plant regularly maintains this section of the road. The CSP project has heavy equipment and was managed without negatively impacting the road, whilst PV plants are very lightweight and corresponding impact on road is expected to be minimal. As the only access road in the area. we will take the necessary precautions from a HSE perspective in managing our contractors. We have successfully managed this prior and foresee no problems doing the same in the future. We would welcome a discussion to discuss an acceptable right of use agreement for this road.</i></p>
<p>I will suggest that both parties have an official agreement in this regard regarding access, maintenance of the service road to be safe in all aspects. In the case of an accident on the road due to condition, should there be any legal claims as a result of an incident on the service road we should not be found wanting.</p>		<p>ACWA Power agreed with the stakeholder's comment and currently undertaking steps towards the drafting of the agreement.</p>
<p>Many thanks for following up again and apologies for the delay in getting back to you. We have no comment on this project.</p>	<p>Ms Ralston-Paton            Birdlife            02/06/2020</p>	<p>An official letter has been requested from Birdlife regarding their comments (or no comment) on the project.</p>
<p>Thank you for the reply.</p> <ul style="list-style-type: none"> <li>▪ Bullet 2; exactly what a bad telephone connection can do!</li> <li>▪ The grading of the road and payment of the grader has been (an issue) since 2019. Many agreements between, us (farmers using and being dependant on the road), and construction contractors and ACWA Power were not honoured by the latter two (I have documents/proof).The latest agreement, Bokpoort</li> </ul>	<p>Mr Peter Kotze            Interested and Affected Party            Telephonic Discussion and Documented in Email            10/06/2020</p>	<ul style="list-style-type: none"> <li>▪ We do not have landline numbers anymore, and at the moment we use Skype for business for telephonic communication. Should you wish to get hold of us other than the Skype number, you can also contact Mr Malcolm Roods or Ms Prashika Reddy (details provided).</li> <li>▪ There has been further resolution regarding the roads at the meeting held with Mr Johannes Kotze on 18 June 2020, whereby Malcolm Roods asked whether it would not suffice if this requirement for the</li> </ul>

Issue	Raised by	Comment/Response
<p>CSP offered to pay 37% of the grader cost and us 4 farmers have to pay 63%. 80% of the current transport on the road visit Bokpoort CSP (Bokpoort CSP pleaded lack of FUNDS that's why they could not afford to assist with a larger contribution?). How can they upgrade/expand their plant if they are so cash trapped that they can't even maintain the road?</p> <p>As stated in my previous reply of 6/4/2020. Please apply your mind.</p> <p>Follow up telephonic conversation with Mr Kotze:</p> <ul style="list-style-type: none"> <li>▪ Mr Kotze was upset about the condition of the road that services his farm and Bokpoort CSP and has to pay personally to grade the road that is in very poor condition. This is the case as since the lockdown the Northern Cape Department of Roads and Public Works have not been grading the road and we have had to take on this additional cost.</li> <li>▪ There has been agreement with the Bokpoort CSP with regards to maintenance and grading of the road that has not been honoured and I have evidence to back this up and evidence the Bokpoort CSP has been using the road more than what they have been saying, Bokpoort CSP has indicated only 5 vehicles would be using the road but we have been counting the cars and it is more in the range of 20-25 cars. As a result of the poor quality of road, we have experienced a considerable amount in the loss of income and customers are not willing to come to my farm.</li> <li>▪ Regarding the email for the notification of the EA for the lapsing of the validity period for the CSP, I want proof that you only received the EA yesterday as the EA states that I&amp;AP's must be notified within 14 days from the dates that the EA was signed which was 12 February 2020.</li> </ul>		<p>development of such a "cooperative agreement" be included in the Final BAR as a condition of the DEFF Environmental Authorisation.</p> <p>Royal HaskoningDHV, ACWA Power and Mr Johannes Kotze are in consultation regarding this condition and will propose this in the final cBARs as a condition for Environmental Authorisation to the DEFF.</p> <ul style="list-style-type: none"> <li>▪ Notification of the Environmental Authorisation amendment for the CSP plant – proof of receipt of the Environmental Authorisation amendment was submitted to Mr P Kotze. An email to the Appeal Directorate further confirming this was provided to Mr P Kotze.</li> <li>▪ Whilst Mr P Kotze was not in favour of a virtual meeting, a physical meeting was held on 18 June 2020 at the !Kheis Riverside Lodge during the review of the draft CBARs. Mr J Kotze attended in person and Mr P Kotze dialled into the meeting.</li> <li>▪ ACWA Power is consulted on responses as they are the applicant for the project.</li> </ul>

Issue	Raised by	Comment/Response
<ul style="list-style-type: none"> <li>▪ I am not in favour of any virtual meeting or teleconference as I dont have proper internet connection.</li> <li>▪ I don't support the meeting that has been scheduled for the 18<sup>th</sup> June 2020, as I would prefer to be consulted on the date and venue. I have suggested that a focus group meeting can be arranged with you and your group. A meeting can only be held if the following participants are involved, i.e. the Department of Environment, Forestry and Fisheries, ACWA Power, the Northern Cape Department of Roads and Public Works and Royal HaskoningDHV.</li> <li>▪ I also do not believe that Royal HaskoningDHV is independent as you need to consult with ACWA Power with regards to responses. I believe that all this Environmental process is doing is passing the buck.</li> <li>▪ I am also willing to take legal action if our concerns are not dealt with.</li> </ul>		
<p>Is this meeting allowed during Lockdown Level 3?</p>	<p>Mr Peter Kotze Interested and Affected Party Email Submission 12/06/2020</p>	<p>The attached Permitting Directions issued by the Minister of DEFF indicates that meetings can take place <i>via</i> Teams and that the EIA process can continue (please refer to pages 10 and 11 of 124 for your ease of reference).</p> <p>Based however on discussions with yourself (and concerns raised that farms do not have good internet connectivity/reception which will enable some landowners to join <i>via</i> Teams), I have decided to drive through from Heidelberg on Wednesday the 17<sup>th</sup> and I will be there on the 18<sup>th</sup> (anytime from 8h00-13h00) to accommodate any farmer who struggles with connectivity to discuss their concerns and provide inputs on the project with me (Please note that the formal Microsoft Teams meeting will also take place during this timeslot for those parties who are able to join <i>via</i> the internet).</p>

Issue	Raised by	Comment/Response
		<p>Public meetings are not a requirement of the EIA Regulations, and it is also not allowed at the moment in Level 3 as well.</p> <p>As the independent Environmental Assessment practitioner, I however need to demonstrate to the Department what I have reasonably done in my ability to accommodate I&amp;APs and landowners to ensure for a transparent process, hence me driving to the Northern Cape to discuss the project with any I&amp;AP and landowner who wishes to do so.</p> <p>Engagement with myself can take place on a one-on-one basis at the !Kheis Riverside Lodge and we will observe and undertake strict COVID-19 protocols. I will also provide print outs of the presentation to those parties who don't have internet connectivity.</p> <p>In light of the above, following just the Permitting Directions and continuing ahead with the project <i>via</i> Teams consultation in my view will therefore not result in an inclusive public participation process given the internet/reception connectivity challenge experienced by farmers. If required all discussions can be held in Afrikaans as well.</p>
<p>Johannes Kotze (JK) indicated that he speaks on behalf of all the farmers/producers adjacent to the Orange River and that they have no problem with the proposed Solar Development.</p> <ul style="list-style-type: none"> <li>▪ What they do have a problem with is the Access Road. He indicated that he knows it's a public road, but the road has only been designed and constructed for a certain purpose (and projected traffic volumes).</li> </ul>	<p>Mr Johannes Kotzé Interested and Affected Party Public Meeting 18/06/2020</p>	<p>Malcolm Roods asked whether it would not suffice if this requirement for the development of such a "cooperative agreement" be included in the Final BAR as a condition of the DEFF Environmental Authorisation and that before construction, such a cooperative agreement must be in place and be legally binding on all parties. Mr J Kotze indicated that this is what the farmers will require, and that Royal HaskoningDHV must propose this to the DEFF.</p>

Issue	Raised by	Comment/Response
<ul style="list-style-type: none"> <li>▪ That the road in its current form cannot handle the traffic volume (irrespective if one or ten new PV projects are constructed).</li> <li>▪ Province does not have the ability or funds to maintain the road, hence the farmers in partnership with ACWA Power (i.e. which Ryno de Kok drew up before he left Groblershoop) agreed that ACWA Power would contribute a certain financial amount and the farmers a certain amount every time the road is graded. JK also referred to a BEE project with a road scraper.</li> <li>▪ JK indicated that the initial thoughts were that the BEE project will get more work (and support the Provincial Department of Roads and Public Works with the maintenance of other roads).</li> <li>▪ JK provided Malcolm Roods (MR) with documents which was set up (since the project was initiated by SolAfrica). JK stated that at the time the farmers were assured that the road will be maintained in the same condition by SolAfrica and that dust suppression and compacting of the road surface will take place. He indicated that this did not happen and the road was severely damaged.</li> <li>▪ JK indicated that the farmers again negotiated with the Provincial Public Works and Roads Department and eventually the road was re-gravelled again.</li> <li>▪ JK presented MR with a traffic count of the vehicles last Friday (12 June 2020). He stated that it is unbelievable the amount of vehicles (i.e. Bakkies, Taxis, Trucks, etc) going to the Bokpoort Solar Plant site, from either Upington or Groblershoop and that the road cannot take the traffic load.</li> </ul>		<p>Mr Roods indicated that the recommendation for inclusion of such a form of condition is not new and that Royal HaskoningDHV had instances like this on other Environmental Impact Assessments as well (within reason).</p> <p>Royal HaskoningDHV, ACWA Power and Mr Johannes Kotze are in consultation regarding this condition and will propose this in the final cBARs as a condition for Environmental Authorisation to the DEFF.</p>

Issue	Raised by	Comment/Response
<ul style="list-style-type: none"> <li>▪ JK indicated that the Provincial Public Works and Roads Department cannot maintain the road as it was not designed for the current traffic volumes.</li> <li>▪ JK presented the file which comprises of e-mails and promises made to the farmers. He said that SolAfrica sold to ACWA Power, and that ACWA Power did not take over the contracts and promises which were made by SolAfrica and that the farmers have been “guided around the nose”. For them it is about the access road, and it’s the same for the farmers coming from Grootdrink as they have the same problems.</li> <li>▪ JK indicated to MR that with respect, the farmers will not be misguided this time round. They will not allow that the road be damaged again and that this is a public road and that parties must just be happy. JK stated that this is not how neighbours should treat each other and that it would be in everyone’s benefit to maintain the road.</li> <li>▪ JK said that they will also not pay out of their own pockets for the upkeep of a road when nationally and locally it is benefitting someone else.</li> <li>▪ JK said that the first prize would be to surface/tar the road, but he indicated that from a cost perspective this might be too expensive and that various amounts to undertake this has been doing the rounds (between R20 - 80 million). JK said that the Provincial Department indicated they don’t have money and that the surfacing of this road is not their priority.</li> <li>▪ JK indicated that surely with all these PV developments (MR indicated 10 PVs in total) one can consider the financial feasibility of surfacing the roads. MR mentioned that at this stage ACWA</li> </ul>		



Issue	Raised by	Comment/Response
<p>Power don't know if they will only get 1 of the PV developments, or all 10 in the next bidding round.</p> <ul style="list-style-type: none"> <li>▪ JK indicated that if they get one or all 10, the road will remain a problem, either during construction or during operation.</li> <li>▪ JK indicated that the farmers require the development of a cooperative agreement [that is legally binding and does not matter who the Environmental Authorisation is sold or transferred to] to update the road that it would be to the benefit of everyone – then there will be no fighting.</li> <li>▪ JK required MR to compile such a draft condition for the development and approval of a “cooperative agreement” prior to any construction taking place, and that this draft condition must be send to JK and Peter Kotze (PK) for review first before recommending the wording to DEFF. This condition wording will then be amended if required and undersigned by all affected farmers.</li> </ul>		
<ul style="list-style-type: none"> <li>▪ JK then phoned PK where MR explained this concept and recommendation in the Final BAR to appear a condition within the Environmental Authorisation to PK as well.</li> <li>▪ PK then said he requested Seshni Govender to ask the DEFF and the Department of Roads &amp; Public Works to attend the meeting. DEFF and the Department were invited to the MS Teams meeting but did not attend.</li> <li>▪ PK further indicated that he could not attend the meeting in person due to a health condition which he is careful of.</li> <li>▪ PK indicated that they have no problem with the expansion to include more PV Solar Facilities, but their lifeline is the road, and if the road is not in a good condition the farmers suffer.</li> </ul>	<p>Mr Peter Kotze Interested and Affected Party Public Meeting 18/06/2020</p>	<p>Malcolm Roods of Royal HaskoningDHV indicated that such a cooperative agreement will ensure that there is an opportunity for all the “minds to meet” prior to construction, and that a specific condition imposed in the Environmental Authorisation would weigh stronger than just a mitigation measure within an EMPr. Mr Roods indicated that should such a condition not be complied with, the Environmental Authorisation could either be revoked or suspended given the importance of this aspect raised by the farming community.</p>

Issue	Raised by	Comment/Response
<ul style="list-style-type: none"> <li>▪ PK indicated that their traffic count shows at least 20 vehicles per day on the road, but when they negotiated the solar facility only said there is 5 vehicles per day. PK indicated that no agreement/commitment which the developer/applicant made to the farmers has been honoured.</li> <li>▪ PK again highlighted that they do not have a problem with the Solar farm expansion, but that their problem lies with the infrastructure. They only want a road that they can use without any issues and resulting financial implications on them (i.e. one of his trucks had a tyre damaged as a result of a rock on the road).</li> </ul>		
<p><b>Comments received below refer to the 8 PV plants:</b></p> <p>The Directorate: Biodiversity Conservation has reviewed and evaluated the aforementioned report and its specialist's studies. The Directorate supports the proposed development and in order to achieve the overall objective of minimising the loss of Biodiversity the following recommendations must be included in the Final Basic Assessment (FBAR):</p> <ul style="list-style-type: none"> <li>▪ A Pre-construction walkthrough for the final development footprint must be undertaken in order to locate and identify species of conservation concern that can be translocated;</li> <li>▪ If several plant Species of Conservation Concern (SCC) which are protected and identified in the study area, a search and rescue exercise to remove and relocate them must be undertaken by a professional and qualified ecologist;</li> <li>▪ A detailed site Rehabilitation Plan must be developed and all disturbed and cleared areas be rehabilitated with Indigenous perennial shrubs and grasses from the local area;</li> </ul>	<p>Mr Stanley Tshitwamulomoni Control Biodiversity Officer: Biodiversity Conservation Department of Environment, Forestry and Fisheries 19/06/2020</p>	<ul style="list-style-type: none"> <li>▪ A pre-construction walkthrough will be conducted (as contained in Section 7.4 of the PV EMPr and Section 8.1 of the Powerline EMPr.</li> <li>▪ Search and Rescue is specified in Section 7.4 of the PV EMPr and Section 5.10 of the Powerline EMPr.</li> <li>▪ It is proposed that a '<i>Monitoring of rehabilitation success and management should be conducted after commencement of rehabilitation activities. Seasonal inspections of rehabilitation areas should be conducted by the Environmental Manager, based on criteria from the Rehabilitation of Modified Environments Method Statement</i>' – Section 10.1 of the PV EMPr.</li> <li>▪ The PV EMPr (Section 8.4) proposes that '<i>An Alien and Invasive Management Programme must be developed and implemented. This programme must include (inter alia) the identification, control and eradication of invasive and exotic animals and plants from the site and immediate surrounds. The programme must be developed by a qualified ecologist and implemented by the designated Environmental Officer. Ongoing monitoring must be conducted by the</i></li> </ul>

Issue	Raised by	Comment/Response
<ul style="list-style-type: none"> <li>▪ An Alien Invasive Species Eradication Plan must be developed and implemented, in order to reduce the establishment and spread of alien plant species with the development footprint;</li> <li>▪ Alien plants species with the development footprint must be regularly monitored and regular alien clearing must be conducted using the best-practice methods for the species concerned;</li> <li>▪ Any Protected plant species must not be removed or damaged prior to obtaining a permit from the relevant National or Provincial Authorities; and</li> <li>▪ A construction and operational phase bird monitoring programme in line with solar guidelines, must be implemented.</li> </ul>		<p><i>ECO and periodic monitoring (annual) by a qualified ecologist to ascertain the efficacy of the programme’.</i></p> <ul style="list-style-type: none"> <li>▪ All applications for licences in respect of protected trees must be obtained from the relevant Provincial DEFF/ NCDENC office. Permits for the removal of protected plant species must be obtained from NCDENC – Section 7.1 of the PV EMPr and Section 8.1 of the Powerline EMPr.</li> <li>▪ Section 8.5 of the PV EMPr and Section 8.2. of the Powerline EMPr indicates that - <i>A construction phase bird monitoring programme must be implemented by a bird specialist, to document potential impacts on key species such as korhaans, bustards and eagles, and must include the ongoing monitoring of the active Verreaux’s Eagle and Martial Eagle nest sites.</i></li> </ul> <p>No comments have been received for the two previously authorised PV Plants but due to best practice guidelines the above recommendations will be taken into consideration for these applications as well.</p>
<p>Please be so kind so send me the Environmental management plan report for this project.</p>	<p>Mr Johan Maritz Interested and Affected Party Email Submission 22/06/2020</p>	<p>There are a number of reports associated with the project, please can you let me know which of these you are referring to:</p> <p>The reports below are associated with the amendment applications mentioned above and was compiled in 2016 as part of that process.</p> <ul style="list-style-type: none"> <li>▪ Proposed 75 MW Photovoltaic (PV1) Solar Power Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape</li> <li>▪ Proposed 75 MW Photovoltaic (PV2) Solar Power Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape</li> </ul>

Issue	Raised by	Comment/Response
		<p>Current Study:</p> <p>In terms of the current application process the following reports are available and can be accessed via our website (<a href="https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports">https://www.royalhaskoningdhv.com/en/south-africa/projects/environmental-reports</a>)</p> <ul style="list-style-type: none"> <li>▪ Proposed 200MW Ndebele and Xhosa Photovoltaic Plant Developments and associated Battery Energy Storage System on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop within the !Kheis Local Municipality in the Northern Cape Province</li> </ul>
<p>Comments from Department of Human Settlements Water and Sanitation, ZF Mgcawu District Municipality and the Northern Cape Department of Environment and Conservation.</p>		<p>No comments have been received from the Department of Human Settlements Water and Sanitation, ZF Mgcawu District Municipality and the Northern Cape Department of Environment and Conservation.</p> <p>Proof of the attempts to acquire any comments has been attached in Appendix E of the final cBAR.</p>