

U verwysing:

Ons verwysing: 13622

Datum: 31 Oktober 2017

Geagte Belangstellende en/of Geaffekteerde Party

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE
NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE**

- **Hartebeest Leegte Windplaas – DO Verw. No.: 14/12/16/3/3/2/1015**
- **Ithemba Windplaas – DO Verw. No.: 14/12/16/3/3/2/1016**
- **Graskoppies Windplaas – DO Verw. No.: 14/12/16/3/3/2/1017**
- **Xha! Boom Windplaas – DO Verw. No.: DEA Ref No: 14/12/16/3/3/2/1018**

Neem asseblief kennis dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. voorheen vir SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringspraktisyn (OEP) vir die bogenoemde projekte.

Ons maak graag van hierdie geleentheid gebruik om u in te lig dat die Konsep Omgewingsimpakevalueringverslae (KOIEV's) vir die bogenoemde projekte, ingevolge die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Dinsdag, 31 Oktober 2017 tot Donderdag, 30 November 2017** (teen sluitingstyd) beskikbaar sal wees vir openbare kommentaar en insae. As u 'n elektroniese kopie van die KOIEV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan soos volg ingedien word:

Hlengiwe Ntuli of Stephan Jacobs

Posbus 2921, RIVONIA, 2128

Telefoon: 011 798 0600

E-pos: hlengiwen@sivest.co.za / stephanj@sivest.co.za

Faks: 011 803 7272

Gedrukte kopieë van die KOIEV's kan by enige van die volgende openbare plekke nagegaan word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Loeriesfontein Biblioteek	Hoofstraat, Loeriesfontein	Maandae – Vrydae 14h00 – 17h00	027 662 8607

Die verslae is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, klik op 'Downloads' en soek dan vir die vouer '13622 Mainstream Wind Farms'.

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

Vriendelike groete



Andrea Gibb

Senior Bestuurder

SiVEST Omgewingsafdeling

Your reference:

Our reference: 13622

Date: 31 October 2017

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Hartebeest Leegte Wind Farm – DEA Ref No: 14/12/16/3/3/2/1015**
- **Ithemba Wind Farm – DEA Ref No: 14/12/16/3/3/2/1016**
- **Graskoppies Wind Farm – DEA Ref No: 14/12/16/3/3/2/1017**
- **Xha! Boom Wind Farm – DEA Ref No: 14/12/16/3/3/2/1018**

Please note that SiVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Environmental Impact Assessment Reports (DEIARs) for the above mentioned projects will be available for public comment and review as from **Tuesday 31 October 2017 to Thursday 30 November 2017** (end of business day). Should you wish to receive an electronic copy of the DEIARs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

Hlengiwe Ntuli or Stephan Jacobs

PO Box 2921, RIVONIA, 2128

Phone: (011) 798 0600

E-mail: hlengiwen@sivest.co.za / stephanj@sivest.co.za

Fax: (011) 803 7272

Hard copies of the DEIARs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays- Fridays 14h00 – 17h00	027 662 8607

The reports are also available on SiVEST's website: <http://www.sivest.co.za/>, click on 'Downloads' then browse to the folder '13622 Mainstream Wind Farms'.

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

Kind Regards



Andrea Gibb

Senior Manager

SiVEST Environmental Division

Andrea Gibb

From: sivest_PPP
Sent: Tuesday, 31 October 2017 3:48 PM
Cc: Andrea Gibb; Stephan Jacobs; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DEIAr Comment Period Starting
Categories: Leeuwberg

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

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Hartebeest Leegte Wind Farm – DEA Ref No: 14/12/16/3/3/2/1015
- Ithemba Wind Farm – DEA Ref No: 14/12/16/3/3/2/1016
- Graskoppies Wind Farm – DEA Ref No: 14/12/16/3/3/2/1017
- Xha! Boom Wind Farm – DEA Ref No: 14/12/16/3/3/2/1018

SiVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Environmental Impact Assessment Reports (DEIARs) for the above mentioned projects will be available for public comment and review as from **Tuesday 31 October 2017 to Thursday 30 November 2017** (end of business day). Should you wish to receive an electronic copy of the DEIARs (on CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays- Fridays 14h00 – 17h00	027 662 8607

The report is also available on SiVEST's website: <http://www.sivest.co.za/>, click on 'Downloads' then browse to the folder '13622 Mainstream Wind Farms'.

Attached is an English and Afrikaans letter notifying of the review period.



13622 Mainstream 13622 Mainstream
DEIAR Notific... DEIAR Notific...

Kind Regards
Andrea Gibb
Senior Manager
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

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



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

Andrea Gibb

From: sivest_PPP
Sent: Tuesday, 31 October 2017 4:06 PM
To: Andrea Gibb; Stephan Jacobs; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Cc: 'Morgan Griffiths'; 'Sam Fiff'; 'Candice Spammer'; 'Erica Burg'; 'Amanda Bester'; 'Heleen van den Heever'; 'Adriaan Tiplady'; 'Natasha Higgitt'; 'Chris Coetzee'; 'Ted Williams'; 'Johan Koegelenberg'; 'Nicole Abrahams'; 'Lizell Stroh'; 'Thulani Mthombeni'; 'Jaco Roelofse'; 'Gert Steenkamp'; 'Jannie Loubser'; 'Madyo Sindisile'; 'Obakeng Isaacs'; 'P Josop'; 'Riaan Van Wyk'; 'Lourens Leeuwner'; 'John Geeringh'; 'Marianne Golding'; 'Brian Fisher'; 'Moses Mahunonyane'; 'Ester Makungo'; 'Patrick Lenyibi'; 'Ntsundeni Ravhogoni'; 'Seoka Lekota'; 'Mmatlala Rabothata'; 'Hettie Buys'; 'Paul Avenant'; 'Jacoline Mans'; 'Gert Steenkamp'; 'Candice Stevens'; 'Johanna Morobane'; 'Simphiwe Masilela'; 'Henning Myburg'; 'lefleurd@dws.gov.za'; 'kmothomi@ncpg.gov.za'
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DEIAs Available for Review
Categories: Leeuwingberg

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

Dear Stakeholder,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Hartebeest Leegte Wind Farm – DEA Ref No: 14/12/16/3/3/2/1015**
- **Ithemba Wind Farm – DEA Ref No: 14/12/16/3/3/2/1016**
- **Graskoppies Wind Farm – DEA Ref No: 14/12/16/3/3/2/1017**
- **Xha! Boom Wind Farm – DEA Ref No: 14/12/16/3/3/2/1018**

SiVEST is in the process of undertaking the Environmental Impact Assessments (EIAs) for the proposed development of the above mentioned four (4) Mainstream Wind Farms near Loeriesfontein in the Northern Cape.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Environmental Impact Assessment Reports (DEIAs) will be made available for public comment and review as from **Tuesday 31 October 2017 to Thursday 30 November 2017** (before end of business day).

The DEIAs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '13622 Mainstream Wind Farms') and an electronic copy (on CD) has been posted to you. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Thursday 30 November 2017** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

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

Stephan Jacobs

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division



SIVEST is a Level 3 BBBEE Contributor

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



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

13622 Fax

086-660-0941

054 603 0248

053 839 2781

027-662-1219

027 662 8604

027 341 8501

Addressee	Start Time	Time	Prints	Result	Note
0866600941	10-31 16:29	00:09:45	002/002	OK	
0276621219	10-31 17:09	00:03:16	000/002	NG	
0273418501	10-31 17:14	00:02:24	002/002	OK	
0546030248	10-31 17:32	00:00:57	000/002	No Ans	
0538392781	10-31 17:33	00:00:57	000/002	No Ans	
0276628604	10-31 17:34	00:00:57	000/002	No Ans	

Note TMR:Timer TX, POL:Polling, ORG:Original Size Setting, FME:Frame Erase TX, DSP:Page Separation TX, MIX:Mixcd Original TX, CALL:Manual TX, CSRC:CSRC, FWD:Forward, PC:PC-FAX, BND:Double-Sided Binding Direction, Sp:Special Original, FCODE:F-code, RTX:Re-TX, RLY:Relay, MBX:Confidential, BUL:Bulletin, SIP:SIP Fax, IPADR:IP Address Fax, I-FAX:Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error, PRINT:Compulsory Memory Document Print, DEL:Compulsory Memory Document Delete, SEND:Compulsory Memory Document Send.

SIVEST

51 Wessel Road, Rivonia
PO Box 2921, Rivonia
2128
Gauteng, South Africa

Phone + 27 11 798 0600
Fax + 27 11 803 7272
Email info@sivest.co.za
www.sivest.co.za



Your reference:
Our reference: 13622
Date: 31 October 2017

Dear Interested and/or Affected Party

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Hartbeest Leegete Wind Farm – DEA Ref No: 14/12/16/3/3/2/1015
- Ithamba Wind Farm – DEA Ref No: 14/12/16/3/3/2/1016
- Graskoppies Wind Farm – DEA Ref No: 14/12/16/3/3/2/1017
- Xhal Boom Wind Farm – DEA Ref No: 14/12/16/3/3/2/1018

Please note that SIVEST SA (Pty) Ltd was previously appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above mentioned projects.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Environmental Impact Assessment Reports (DEIARs) for the above mentioned projects will be available for public comment and review as from **Tuesday 31 October 2017 to Thursday 30 November 2017** (end of business day). Should you wish to receive an electronic copy of the DEIARs (on CD) please forward your request in writing to us. Comments can be submitted as follows:

Hlangiwe Ntuli or Stephan Jacobs
PO Box 2921, RIVONIA, 2128
Phone: (011) 798 0600
E-mail: hlangiwen@sivest.co.za / stephanj@sivest.co.za
Fax: (011) 803 7272

Hard copies of the DEIARs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays- Fridays 14h00 – 17h00	027 662 8607


The reports are also available on SIVEST's website: <http://www.sivest.co.za/>, click on 'Downloads' then browse to the folder '13622 Mainstream Wind Farms'.


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


Kind Regards

Andrea Gibb
Senior Manager
SIVEST Environmental Division


Distribution to the I&AP


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____</p> <p>Ms Marie Burden</p> <p>Portion 2 of the Farm Georgs Vley No. _____</p> <p>PO Box 113</p> <p>LOERIESFONTEIN</p> <p>8195</p> <p>_____</p>		
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____</p> <p>Mr ..</p> <p>DE BEERS CONSOLIDATED MINES</p> <p>Cnr. Diamond & Crownwood Rd,</p> <p>Theta</p> <p>JOHANNESBURG</p> <p>2012</p> <p>_____</p>		
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____</p> <p>2013</p> <p>_____</p> <p>Ms Bennie Engelbrecht</p> <p>Hantam Local Municipality</p> <p>Posbus 36</p> <p>LOERIESFONTEIN</p> <p>8185</p> <p>_____</p>		
		Tracking Number:

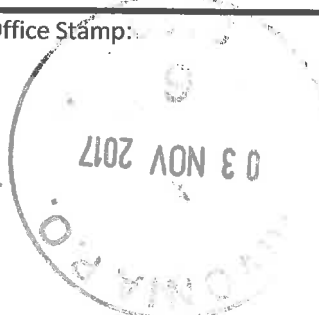
Distribution to the I&AP


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ _____ Clr Margaret Esau Councillor Hantam Local Municipality 2857 Eeeste Laan CALVINIA 8100 _____ _____		Post Office Stamp: 
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ _____ 1: Mr Albertus Van Zyl PTN 3 Farm GIFKOP116 P O BOX 195 LOERIESFONTEIN 8185 _____ _____		Post Office Stamp: 
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ _____ (P) Mr Abraham van Zyl Farm: Remainder Blaauw Pan 175 PO Box 61 LOERIESFONTEIN 8185 _____ _____		Post Office Stamp: 
		Tracking Number:


Distribution to the Organs of State


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input checked="" type="checkbox"/>	Registered Letter	
<input type="checkbox"/>	Fast Mail	
Addressed To: 1620 Mr Seoka Lekota Ms Mmatlala Rabothata Department of Environmental Affairs Private Bag X447 PRETORIA 0001		Post Office Stamp: 
		Tracking Number: REGISTERED LETTER <small>(with a domestic insurance option)</small> ShareCall 0860 111 502 www.sapo.co.za RD 600 055 822 ZA CUSTOMER COPY 301028R

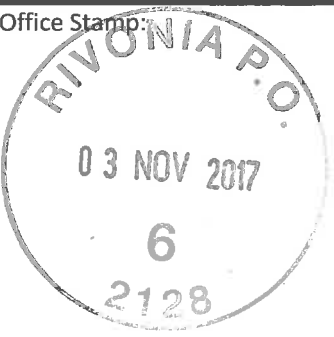
<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: Mr Riaan Van Wyk Environmental Officer Hantam Local Municipality Private Bag X14 CALVINA 8190		Post Office Stamp: 
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: Mr Gert Steenkamp NC Department of Agriculture, Land PO Box 65 CALVINIA 8190		Post Office Stamp: 
		Tracking Number:


Distribution to the Organs of State

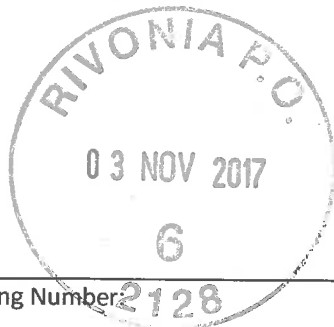
<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: Mr Morgan Griffiths Conservation Officer WESSA: National PO Box 12444 Central Hill PORT ELIZABETH 6006		Post Office Stamp: 
		Tracking Number: 2128


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: Dr Adriaan Tiplady Manager: Site Categorisation Square Kilometre Array PO Box 522940 SAXONWOLD 2132		Post Office Stamp: 
		Tracking Number: 2128

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: Ms Nicole Abrahams Environmental Coordinator SANRAL Private Bag X19 BELLVILLE 7535		Post Office Stamp: 
		Tracking Number:


Distribution to the Organs of State


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____ Mr Johan Koegelenberg _____</p> <p>_____ Renewable Projects _____</p> <p>_____ SENTECH _____</p> <p>_____ Private Bag X06 _____</p> <p>_____ HONEYDEW _____</p> <p>_____ 2040 _____</p>		
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____ Me Heleen van den Heever _____</p> <p>_____ Ops Manager Central Region _____</p> <p>_____ Telkom (SA) Ltd _____</p> <p>_____ Private Bag X20700 _____</p> <p>_____ BLOEMFONTEIN _____</p> <p>_____ 9300 _____</p> <p>_____ Ms Candice Spammer _____</p> <p>_____ Ms Amanda Bester _____</p>		
		Tracking Number: 2128

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____ Mr Sam Fiff _____</p> <p>_____ Environmental Manager: Freight Rail _____</p> <p>_____ Transnet Freight Rail (Jhb) _____</p> <p>_____ PO Box 255 _____</p> <p>_____ BLOEMFONTEIN _____</p> <p>_____ 9300 _____</p>		
		Tracking Number:


Distribution to the Organs of State

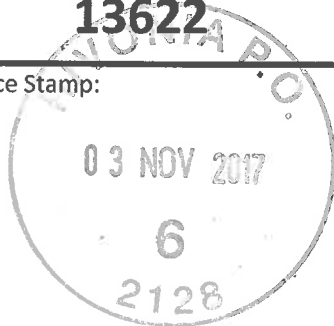
<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ Mr Chris Coetzee _____ _____ Prof Ted Williams _____ _____ South African Astronomical Observator _____ _____ PO Box 9 _____ _____ OBSERVATORY _____ _____ 7935 _____ _____ _____		Post Office Stamp:  Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ Ms Lizell Stroh _____ _____ Obstacle Specialist _____ _____ ks SA Civil Aviation Authority _____ _____ Private Bag X73 _____ _____ HALFWAY HOUSE _____ _____ 1685 _____ _____ _____		Post Office Stamp:  Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____ _____ _____ Mr Jannie Loubser _____ _____ Manager: PLanning _____ _____ Namakwa District Municipality _____ _____ Private Bag X20 _____ _____ SPRINGBOK _____ _____ 8300 _____ _____ _____		Post Office Stamp:  Tracking Number:


Distribution to the Organs of State


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____ Mr Henning Myburg</p> <p>_____ General Manager</p> <p>_____ Agri SA: Northern Cape</p> <p>_____ PO Box 1094</p> <p>_____ KIMBERLEY</p> <p>_____ 8888</p> <p>_____</p> <p>_____</p>		
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____ 8300</p> <p>_____</p> <p>_____ Ms Thoko Buthelezi</p> <p>_____ Mrs Hettie Buys</p> <p>_____ Senior Registry Clerk</p> <p>_____ Department of Agriculture, Forestry and</p> <p>_____ Private Bag X120</p> <p>_____ PRETORIA</p> <p>_____ 0001</p> <p>_____</p> <p>_____</p>		
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____</p> <p>_____ Mr Patrick Lenyibi</p> <p>_____ Manager: Heritage Resources</p> <p>_____ DEPARTMENT OF SPORT, ARTS & C</p> <p>_____ Private Bag X5004</p> <p>_____ KIMBERLEY</p> <p>_____ 8300</p> <p>_____</p> <p>_____</p>		
		Tracking Number:


Distribution to the Organs of State


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____		Post Office Stamp: 
_____ Mr John Geeringh _____ Chief Planner _____ Eskom: Transmission _____ PO Box 1091 _____ JOHANNESBURG _____ 2000		
_____		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____		Post Office Stamp: 
_____ Mr Obakeng Isaacs _____ Mr P Josop _____ Land Use Officer _____ Khai-Ma Local Municipality _____ PO Box 108 _____ POFADDER _____ 8890		
_____		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number: 13622
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: _____		Post Office Stamp: 
_____ Mr Jaco Roelofse _____ Director: Planning & Design _____ NC Department of Roads & Public Works _____ PO Box 3132 _____ KIMBERLEY _____ 8300		
_____		Tracking Number:


Distribution to the Organs of State


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> <hr/> <hr/> Mr Moses Mahunonyane Ms Ester Makungo Environmental Officer Department of Water & Sanitation Private Bag X6101 KIMBERLEY 8300		Post Office Stamp: 
		Tracking Number:


<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> <hr/> <hr/> Ms Marianne Golding Mr Lourens Leeuwner Renewable Energy Project Manager EWT 86 Capricorn Drive, Capricorn Business Park, Muizenberg CAPE TOWN		Post Office Stamp: 
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: <hr/> <hr/> <hr/> Ms Johanna Morobane Ms Simphiwe Masireira Obstacle Evaluator Air Traffic Navigation Services Private Bag x15 KEMPTON PARK 7900		Post Office Stamp: 
		Tracking Number:

Distribution to the Organs of State

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____ Ms Candice Stevens _____</p> <p>_____ Ms Samantha Ralston-Paton _____</p> <p>_____ Manager _____</p> <p>_____ Bird Life South Africa _____</p> <p>_____ P O Box 515 _____</p> <p>_____ RANDBURG _____</p> <p>_____</p>		
		Tracking Number: 2128

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____ 2125 _____</p> <p>_____ Mr Rasibe Sekepane _____</p> <p>_____ Mr Vincent Muila _____</p> <p>_____ Department of Mineral Resources (E) _____</p> <p>_____ Private Bag x6093 _____</p> <p>_____ KIMBERLEY _____</p> <p>_____ 8300 _____</p> <p>_____</p>		
		Tracking Number: 2128

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13622
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To:		Post Office Stamp:
<p>_____</p> <p>_____</p> <p>_____ Mr Brian Fisher _____</p> <p>_____ Director of Environmental Impact Ma _____</p> <p>_____ Dept of Environment and Nature Co _____</p> <p>_____ Private bag x6102 _____</p> <p>_____ KIMBERLEY _____</p> <p>_____ 8300 _____</p> <p>_____</p>		
		Tracking Number:

Stephan Jacobs

From: sivest_PPP
Sent: Tuesday, November 28, 2017 9:51 AM
To: Andrea Gibb; Stephan Jacobs; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Cc: 'Morgan Griffiths'; 'Sam Fiff'; 'Candice Spammer'; 'Erica Burg'; 'Amanda Bester'; 'Heleen van den Heever'; 'Adriaan Tiplady'; 'Natasha Higgitt'; 'Chris Coetzee'; 'Ted Williams'; 'Johan Koegelenberg'; 'Nicole Abrahams'; 'Lizell Stroh'; 'Thulani Mthombeni'; 'Jaco Roelofse'; 'Gert Steenkamp'; 'Jannie Loubser'; 'Madyo Sindisile'; 'Obakeng Isaacs'; 'P Josop'; 'Riaan Van Wyk'; 'Lourens Leeuwener'; 'John Geeringh'; 'Marianne Golding'; 'Brian Fisher'; 'Moses Mahunonyane'; 'Ester Makungo'; 'Patrick Lenyibi'; 'Ntsundeni Ravhogoni'; 'Seoka Lekota'; 'Mmatlala Rabothata'; 'Hettie Buys'; 'Paul Avenant'; 'Jacoline Mans'; 'Gert Steenkamp'; 'Candice Stevens'; 'Johanna Morobane'; 'Simpfiwe Masilela'; 'Henning Myburg'; 'lefleurd@dws.gov.za'; 'kmotlthomi@ncpg.gov.za'
Subject: RE: Four Proposed Mainstream Wind Farms near Loeriesfontein: DEI Ars Comment Period Ending

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

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

Good Day Stakeholders,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1017)**
- **Xha! Boom Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1018)**
- **Hartebeest Leegte Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1015)**
- **Ithemba Wind Farm – (DEA Ref No: 14/12/16/3/3/2/1016)**

Please note that the final day for comments on the Draft Environmental Impact Assessments Reports (DEI Ars) for the above mentioned wind farm projects is **on Thursday 30 November 2017**.

This email serves as a reminder to please submit any comments by the close of business on the **Thursday 30 November 2017 (COB)**

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

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs

PO BOX 2921

Rivonia

2128

Tel: 011 798 0600

Fax: 011 803 7272

Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za

Kind Regards
Andrea Gibb



SiVEST is a Level 3 BBBEE Contributor



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



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

From: sivest_PPP

Sent: 31 October 2017 04:06 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>; 'Nicolene Venter' <nicolene@imaginativeafrica.co.za>; 'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>

Cc: 'Morgan Griffiths' <morgan.griffiths@wessa.co.za>; 'Sam Fiff' <Francis.Rahlapane@transnet.net>; 'Candice Spammer' <spammec1@telkom.co.za>; 'Erica Burg' <EricaB@openseve.co.za>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Adriaan Tiplady' <atiplady@ska.ac.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Chris Coetsee' <chris@salt.ac.za>; 'Ted Williams' <williams@saa.ac.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Thulani Mthombeni' <tmtho@webmail.co.za>; 'Jaco Roelofse' <roelofse.j@vodamail.co.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Jannie Loubser' <janniel@namakwa-dm.gov.za>; 'Madyo Sindisile' <excellentsolutions@live.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop' <commonage@khaima.gov.za>; 'Riaan Van Wyk' <socialdev1@hantam.gov.za>; 'Lourens Leeuwner' <lourensl@ewt.org.za>; 'John Geeringh' <GeerinJH@eskom.co.za>; 'Marianne Golding' <marianneg@ewt.org.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Moses Mahunonyane' <MahunonyaneM@dws.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ntsundeni Ravhogoni' <Ntsundeni.Ravhogoni@dmr.gov.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Mmatlala Rabothata' <mrabothata@environment.gov.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Paul Avenant' <paula@daff.gov.za>; 'Jacoline Mans' <jacolinema@daff.gov.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Candice Stevens' <advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Henning Myburg' <henning@agrink.co.za>; 'lefleurd@dws.gov.za' <lefleurd@dws.gov.za>; 'kmothomi@ncpg.gov.za' <kmothomi@ncpg.gov.za>

Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: DEIArs Available for Review

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

Dear Stakeholder,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Hartebeest Leegte Wind Farm – DEA Ref No: 14/12/16/3/3/2/1015**
- **Ithemba Wind Farm – DEA Ref No: 14/12/16/3/3/2/1016**
- **Graskoppies Wind Farm – DEA Ref No: 14/12/16/3/3/2/1017**
- **Xha! Boom Wind Farm – DEA Ref No: 14/12/16/3/3/2/1018**

SiVEST is in the process of undertaking the Environmental Impact Assessments (EIAs) for the proposed development of the above mentioned four (4) Mainstream Wind Farms near Loeriesfontein in the Northern Cape.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Environmental Impact Assessment Reports (DEIARs) will be made available for public comment and review as from **Tuesday 31 October 2017 to Thursday 30 November 2017** (before end of business day).

The DEIARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '13622 Mainstream Wind Farms') and an electronic copy (on CD) has been posted to you. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Thursday 30 November 2017** (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

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

Stephan Jacobs

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272

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



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



South Africa Mainstream Renewable Power Developments (Pty) Ltd.
 PO Box 45063,
 Claremont 7735, South Africa.
 www.mainstreamrp.com

Tel: +27 21 657 4040
 Fax: +21 21 671 5665
 info-southafrica@mainstreamrp.com

11 December 2017

Ms Riana Lock
 Town Planner:
 Hantam Municipality
 Private Bag X14
 Calvinia
 8190

PROPOSED ESTABLISHMENT OF GRASKOPPIES 140MW WIND ENERGY FACILITY: CONFIRMATION OF MUNICIPAL SERVICES

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop Graskoppies Wind Farm on the land parcels listed below, see **Figure 1** for site locality and turbine layout. A .kmz-file of the project site land parcels (referred to below), turbine location, gridline and closest telecoms is also attached as **Annexure A**.

- Portion 1 of Farm Hartebeest Leegte no. 216
- Portion 2 of the Farm Gras Koppies no. 176

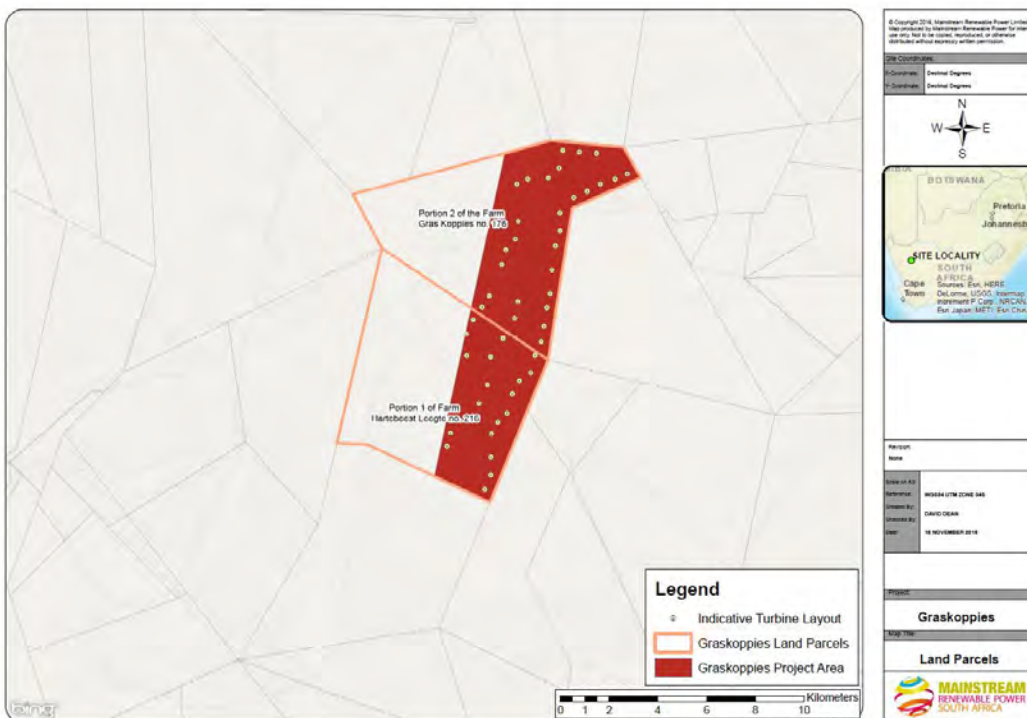


Figure 1: Site Location Map

Infrastructure for the development of the proposed wind farms will include turbines with a maximum hub height of 160m and rotator diameter of 160m, which together will not exceed 230m, there will also be cabling between project components (laid underground where possible), substations to facilitate grid connection, overhead powerlines to connect to onsite substations, a workshop area for maintenance and permanent wind monitoring masts (up to a 120m).

As part of this process we are required to engage with your municipality in relation to the availability of municipal services (i.e. sewage, refuse removal, water and electricity) as well as any requirements of any specific By-Laws that would pertain to Wind Farms. We would therefore, like to request whether HLM can confirm there would be sufficient services to service the proposed wind farm as well as to indicate whether the proposed project triggers any Municipal By-Laws and if so what your municipality's requirements are?

We kindly request that all future correspondence to be addressed to:
[South Africa Mainstream Renewable Power Developments \(Pty\) Ltd](#)
[PO Box 45063](#)
[Claremont](#)
[7735](#)

Should you require any additional information, please feel free to contact me.

I trust that the above is in order and await your reply.

Yours sincerely,



Rebecca Thomas
Development Executive

Tel: +27 (0)21 657 4040

Fax: +27 (0)21 671 5665

Cell: +27 (0)73 452 0096

Email: Rebecca.Thomas@mainstreamrp.com



South Africa Mainstream Renewable Power Developments (Pty) Ltd.
PO Box 45063,
Claremont 7735, South Africa.
www.mainstreamrp.com

Tel: +27 21 657 4040
Fax: +21 21 671 5665
info-southafrica@mainstreamrp.com

11 December 2017

Mr Obakeng Isaacs
Municipal Manager
Khai Ma Local Municipality (KMLM)
Private Bag X14
Calvinia
8190

PROPOSED ESTABLISHMENT OF GRASKOPPIES 140MW WIND ENERGY FACILITY: CONFIRMATION OF MUNICIPAL SERVICES

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop Graskoppies Wind Farm on the land parcels listed below, see **Figure 1** for site locality and turbine layout. A .kmz-file of the project site land parcels (referred to below), turbine location and gridline is attached as **Annexure A**.

- Portion 1 of Farm Hartebeest Leegte no. 216
- Portion 2 of the Farm Gras Koppies no. 176

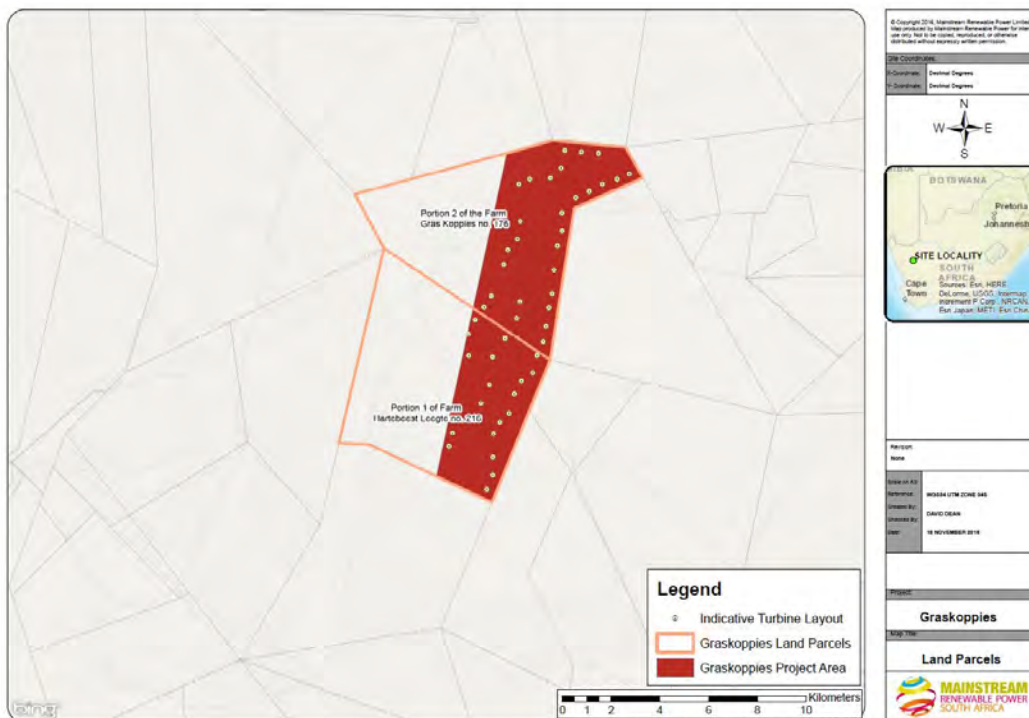


Figure 1: Site Location Map

Infrastructure for the development of the proposed wind farms will include turbines with a maximum hub height of 160m and rotator diameter of 160m, which together will not exceed 230m, there will also be cabling between project components (laid underground where possible), substations to facilitate grid connection, overhead powerlines to connect to onsite substations, a workshop area for maintenance and permanent wind monitoring masts (up to a 120m).

Registered Company Number: 2009/023000/07

As part of this process we are required to engage with your municipality in relation to the availability of municipal services (i.e. sewage, refuse removal, water and electricity) as well as any requirements of any specific By-Laws that would pertain to Wind Farms. We would therefore, like to request whether KMLM can confirm there would be sufficient services to service the proposed wind farm as well as to indicate whether the proposed project triggers any Municipal By-Laws and if so what your municipality's requirements are?

We kindly request that all future correspondence to be addressed to:
[South Africa Mainstream Renewable Power Developments \(Pty\) Ltd](#)
[PO Box 45063](#)
[Claremont](#)
[7735](#)

Should you require any additional information, please feel free to contact me.

I trust that the above is in order and await your reply.

Yours sincerely,



Rebecca Thomas
Development Executive

Tel: +27 (0)21 657 4040

Fax: +27 (0)21 671 5665

Cell: +27 (0)73 452 0096

Email: Rebecca.Thomas@mainstreamrp.com

Stephan Jacobs

From: Rebecca Thomas <Rebecca.Thomas@mainstreamrp.com>
Sent: Monday, December 11, 2017 3:16 PM
To: munman@khaima.gov.za
Subject: Confirmation of Municipal Services and By-laws_Leeuwberg Suite of Wind Farms near Loeriesfontein
Attachments: KMLM Graskoppies Municipal Consents Application 20171211.pdf; KMLM Ithemba Municipal Consents Application 20171211.pdf; 20170111-CH-Graskoppies-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz; 20170111-CH-Ithemba-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz
Importance: High
Follow Up Flag: Follow up
Flag Status: Flagged

Good Day Mr Isaacs,

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop the Leeuwberg Suite of Wind Farms on certain land parcels located in the Northern Cape Province, near Loeriesfontein.

As part of this process, we are required to engage with Khai Ma Local Municipality to determine availability of various services (i.e. sewage, water, etc) as well as any specific by-laws we should be aware of, specifically related to wind farm infrastructure. As such, please find applications for each of the wind farms (Graskoppies / Ithemba / Hartebeest Leegte / !Xha Boom) attached herein. We require individual correspondence per project, and would greatly appreciate your assistance in this.

We kindly request that correspondence in the responses be directed to:
South Africa Mainstream Renewable Power Developments (Pty) Ltd
PO Box 45063
Claremont
7735

Should you require any additional information please feel free to contact me.

Kind regards,



Rebecca Thomas
Development Executive

Mainstream Renewable Power South Africa
4th Floor, Mariendahl House
Newlands on Main
Main Road & Campground Roads
Claremont, Cape Town
7708

Tel: +27 (0)21 657 4040

Mob: +27 (0)73 452 0096

Email: Rebecca.Thomas@mainstreamrp.com



Get the latest news
delivered to your inbox.

SIGN-UP NOW

Follow Mainstream @     

www.mainstreamrp.com

 Please consider the environment before printing this email

Stephan Jacobs

From: Rebecca Thomas <Rebecca.Thomas@mainstreamrp.com>
Sent: Monday, December 11, 2017 3:09 PM
To: admin2@hantam.gov.za
Subject: Confirmation of Municipal Services and By-laws_Leeuwberg Suite of Wind Farms near Loeriesfontein

Attachments: !Xha Boom Municipal Consents Application 20171211.pdf; 20170111-CH-Xhaboom-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz; Graskoppies Municipal Consents Application 20171211.pdf; 20170111-CH-Graskoppies-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz; Hartebeest Leegte Municipal Consents Application 20171211.pdf; 20170111-CH-Hartebeesleegte-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz; Ithemba Municipal Consents Application 20171211.pdf; 20170111-CH-Ithemba-141MW-47T-AW3.0-150-7x3RD (220deg)-BAv3_Points.kmz

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Good Day Riana,

I hope you are keeping well. It was good to meet you in person last month in Calvinia.

South Africa Mainstream Renewable Power Developments (Pty) Ltd is in the process of securing all relevant permissions/consents in order to develop the Leeuwberg Suite of Wind Farms on certain land parcels located in the Northern Cape Province, near Loeriesfontein.

As part of this process, we are required to engage with Hantam Local Municipality to determine availability of various services (i.e. sewage, water, etc) as well as any specific by-laws we should be aware of, specifically related to wind farm infrastructure. As such, please find applications for each of the wind farms (Graskoppies / Ithemba / Hartebeest Leegte / !Xha Boom) attached herein. We require individual correspondence per project, and would greatly appreciate your assistance in this.

We kindly request that correspondence in the responses be directed to:
South Africa Mainstream Renewable Power Developments (Pty) Ltd
PO Box 45063
Claremont
7735

Should you require any additional information please feel free to contact me.

Kind regards,





Rebecca Thomas
Development Executive

Mainstream Renewable Power South Africa
4th Floor, Mariendahl House
Newlands on Main
Main Road & Campground Roads
Claremont, Cape Town
7708

Tel: +27 (0)21 657 4040
Mob: +27 (0)73 452 0096
Email: Rebecca.Thomas@mainstreamrp.com

A promotional banner with a pink background. On the left, there is a blue envelope icon with a white card inside that has the Mainstream Renewable Power logo. To the right of the envelope, the text "Get the latest news delivered to your inbox." is written in white. Below this text is a yellow button with the text "SIGN-UP NOW" in black.

Follow Mainstream @     
www.mainstreamrp.com

 Please consider the environment before printing this email

OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE (DO VERWYSINGSNOMMERS SAL AANGEKONDIG WORD)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpakevaluering (OIE-regulasies), 2014, ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SiVEST SA (Edms.) Bpk. aangestel het as die onafhanklike omgewingsevalueringpraktisyn (OEP) om die nodige Omgewingsimpakevaluering (OIE's), Basiese Evaluering (BE's) en openbare deelnameproses vir die bogenoemde beoogde projek te onderneem.

PROJEKBESKRYWING

Mainstream beoog om vier (4) Windplase naby Loeriesfontein in die Noord-Kaapprovinsie te ontwikkel. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, !Xha Boom Windplaas, Hartebeest Leegte Windplaas en Itemba Windplaas. Daarbenewens beoog Mainstream om vier (4) 132 kV kraglyne, vier (4) 33kV/132 kV interne substasies en 'n 132 kV Skakelstasie (hierna "roosterkonneksies" genoem) op te rig om die beoogde windplase met die nasionale kragnet by die Helios Substasie te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elk van die windplase 'n aparte Omgewingsmagtiging (OM) vereis. Daarbenewens sal elk van die roosterkonneksies ook 'n aparte OM vereis.

Gevolgtik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elk van die windplase en die gepaardgaande roosterkonneksies apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) beoogde projekte onderneem. Die potensiële omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

PROJEKLIIGING

Die Windplaasprojekgebied sal sowat 62 km noord van Loeriesfontein in die Khai-ma en Hantam plaaslike munisipaliteite in die Noord-Kaapprovinsie geleë wees. Die konneksie met die nasionale kragnet sal via die Helios Substasie geskied.

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

Hlengiwe Ntuli of Stephan Jacobs	
SiVEST Environmental	
Posbus 2921	Tel: 011 798 0600
RIVONIA	Faks: 011 803 7272
2128	E-pos: hlengiw@sivest.co.za of stephanj@sivest.co.za
Webwerf: www.sivest.co.za	

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE (DEA REFERENCE NUMBERS TO BE ANNOUNCED)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, 2014 under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") has appointed SiVEST SA (Pty) Ltd, as the independent environmental assessment practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and public participation process for the above-mentioned proposed project.

PROJECT DESCRIPTION

Mainstream are proposing to develop four (4) Wind Farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, !Xha Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct four (4) 132kV power lines, four (4) 33kV/132kV on-site IPP substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at the Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA.

As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one (1) for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

PROJECT LOCATION

The Wind Farms project area will be located approximately 62km north of Loeriesfontein, in the Khaima and Hantam Local Municipalities within the Northern Cape Province. Connection to the national grid will occur at the Helios Substation.

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

Hlengiwe Ntuli or Stephan Jacobs
SiVEST Environmental
P O Box 2921 Tel: (011) 798 0600
RIVONIA Fax: (011) 803 7272
2128 E-mail: hlengiwen@sivest.co.za
 or stephanj@sivest.co.za
 Website: www.sivest.co.za

Stephan Jacobs

From: Nicolene Venter <nicolene@imaginativeafrica.co.za>
Sent: Monday, October 30, 2017 12:59 PM
To: mayor@khaima.gov.za; mmsecretary@khaima.gov.za; munman@khaima.gov.za
Cc: Andrea Gibb; Stephan Jacobs; Shaun Taylor; Hlengiwe Ntuli
Subject: FW: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection
Attachments: Leeuwborg FGM InviteLet-Khai Ma Local Municipality-FINAL.PDF; Leeuwborg FGM Agenda-Authorities-FINAL.PDF; Leeuwborg FGM RegForm Authorities FINAL.PDF
Importance: High

Dear Mr Green (Alfredo)

Please see e-mail communication below addressed to Mr Isaacs, Municipal Manager, Khâi-Ma Local Municipality dated Monday, 23 October 2017.

Attached is the Focus Group Meeting invitation letter outlining the details of the meeting which is taking place on:

DATE: Tuesday, 31 October 2017

TIME: 14h30

VENUE: Commando Offices, Dorp Street, Calvinia (**please note:** the venue as on the invitation letter has changed)

I contact Natasha (Mr Isaacs Personal Assistant) a few minutes ago who informed me that Mr Isaacs is only returning to his office tomorrow from his official business in Bloemfontein and will not be able to attend the meeting.

We kindly request that, if possible, that an Official Representative (or Representatives) from Khâi-Ma Local Municipality attend the Focus Group Meeting.

We are looking forward to hear from you.

Kind regards,

Nicolene Venter
Public Participation and Stakeholder Engagement Practitioner
Imaginative Africa (Pty) Ltd
PO Box 61164
PIERRE VAN RYNEVELD, 0157

Tel.: 012 662 2843 / **Cell:** 083 377 9112 / **Fax:** 086 415 5011 / **E-mail:** nicolene@imaginativeafrica.co.za

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"

From: Nicolene Venter
Sent: Monday, October 23, 2017 9:46 PM
To: 'mmsecretary@khaima.gov.za' <mmsecretary@khaima.gov.za>
Subject: FW: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection
Importance: High

Nicolene Venter
Public Participation and Stakeholder Engagement Practitioner

Imaginative Africa (Pty) Ltd
PO Box 61164
PIERRE VAN RYNEVELD, 0157

Tel.: 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** nicolene@imaginativeafrica.co.za

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"

From: Nicolene Venter

Sent: Monday, October 23, 2017 9:13 PM

To: 'munman@khaima.gov.za' <munman@khaima.gov.za>; 'mmsecretary@khaima.gov.za' <mmsecretary@khaima.gov.za>

Cc: Andrea Gibb <AndreaG@sivest.co.za>; Shaun Taylor <ShaunT@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>

Subject: EIA: Proposed Four Mainstream Wind Farms and Basic Assessment for the Associated Grid Connection

Importance: High

Dear Mr Isaacs,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR PROPOSED MAINSTREAM WIND FARMS and BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref. Hartebeest Leegte windplaas 14/12/16/3/3/2/1015
issued

DEA Ref for Grid Connection: To be

Ithemba Windplaas 14/12/16/3/3/2/1016

Graskoppies Windplaas 14/12/16/3/3/2/1017

!Xha Boom 14/12/16/3/3/2/1018

Please find attached Khâi-Ma Local Municipality's invitation to a Focus Group Meeting to be held as follows:

DATE: Tuesday, 31 October 2017

TIME: 14h30

VENUE: Hantam Local Municipality Board Room, Hope Street, Calvinia

We are looking forward to a fruitful meeting.

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

Kind regards,

Nicolene Venter
Public Participation and Stakeholder Engagement Practitioner
Imaginative Africa (Pty) Ltd
PO Box 61164
PIERRE VAN RYNEVELD, 0157

Tel.: 012 662 2843 / **Cell:** 083 377 9112 / **E-mail:** nicolene@imaginativeafrica.co.za

 Please, consider our environment. Before printing this e-mail ask yourself: "Do I need a hard copy?"

Andrea Gibb

From: sivest_PPP
Sent: Thursday, 11 January 2018 2:09 PM
Cc: Andrea Gibb; Stephan Jacobs; 'Nicolene Venter'; 'rebecca.thomas@mainstreamrp.com'
Subject: Four (4) Proposed Mainstream Wind Farms near Loeriesfontein- Draft Minutes for Landowner FGM held on 1 Nov 2017

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

Dear Landowners,

Please find attached for your convenience the Draft Minutes of the Landowner Focus Group Meeting (FGM) which was held on Wednesday 01 November 2017 for the four (4) proposed Mainstream Wind Farms near Loeriesfontein in the Northern Cape Province (i.e. Graskoppies Wind Farm, Hartebeest Leegte Wind Farm, Ithemba Wind Farm and Xha! Boom Wind Farm).

Please feel free to contact us should there be any problems.



13622 Leeuwberg
FGM LOs_Draft ...

Kind Regards,

Stephan Jacobs (*B.Sc.(Hons) Environmental Management and Analysis*)

Environmental Consultant

SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0677 Tel +27 11 798 0600 fax +27 11 803 7272

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



Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Port Louis (Mauritius)



Appendix 7C
Proof of Advertisements

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4)
WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES
NABY LOERIESFONTEIN, NOORD-KAAPROVINSIE**

- Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Xha! Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpakevaluerings (OIE-regulasies), ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig en op 7 April 2017 gewysig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SiVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsevalueringpraktisyn (OEP) om die nodige Omgewingsimpakevaluerings (OIE's), Basiese Evaluering (BE's) en Openbare Deelnameproses vir die bogenoemde beoogde projekte te onderneem:

PROJEK BESKRYWING

Mainstream beoog die ontwikkeling van vier (4) windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xha! Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream die oprigting van vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelsubstasie (hierna die "roosterkonneksies" genoem) om die beoogde windplase by die Helios Substasie met die nasionale kragnet te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elke windplaas 'n aparte Omgewingsmagtiging (OM) benodig. Daarbenewens sal elke roosterkonneksie ook 'n aparte OM benodig. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elke windplaas en die gepaardgaande roosterkonneksie apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) van die beoogde projekte onderneem. Die potensiële omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

PROJEK LIGGING

Die projekgebied vir die beoogde windplase en gepaardgaande roosterkonneksies sal sowat 62 km noord van Loeriesfontein, in die Khai-ma en Hantam Plaaslike Munisipaliteite in die Noord-Kaapprovinsie geleë wees.

BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE

Die Konsep Bestekopnameverslae (KBV's) vir die beoogde windplase sal vanaf **Woensdag, 21 Junie 2017 tot Vrydag, 21 Julie 2017** (teen sluitingstyd) beskikbaar wees vir openbare kommentaar en insae. Indien u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke nagegaan word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Loeriesfontein Biblioteek	Hoofstraat, Loeriesfontein	Maandae – Vrydae 14h00 – 17h00	027 662 8607

Die verslae is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, klik op 'Downloads' en soek dan vir die vouer '13622 Mainstream Wind Farms'.

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

Hlengiwe Ntuli or Stephan Jacobs	
SiVEST Environmental	
Posbus 2921	Telefoon: 011 798 0600
RIVONIA	Faks: 011 803 7272
2128	E-pos: hlengiw@zivest.co.za of stephanj@zivest.co.za
	Webwerf: www.sivest.co.za

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Wind Farm – (DEA Ref No: To be announced)
- Xha! Boom Wind Farm – (DEA Ref No: To be announced)
- Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- Ithemba Wind Farm – (DEA Ref No: To be announced)
- Graskoppies Grid Connection – (DEA Ref No: To be announced)
- Xha! Boom Grid Connection – (DEA Ref No: To be announced)
- Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- Ithemba Grid Connection – (DEA Ref No: To be announced)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 7 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as “Mainstream”) has appointed SiVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and Public Participation Process for the above-mentioned proposed projects.

PROJECT DESCRIPTION

Mainstream are proposing to develop four (4) wind farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xha! Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the “grid connections”), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy’s (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

PROJECT LOCATION

The project area for the proposed wind farms and associated grid connections will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

The Draft Scoping Reports (DSRs) for the proposed wind farms will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays- Fridays 14h00 – 17h00	027 662 8607

The reports are also available on SiVEST’s website: <http://www.sivest.co.za/>, click on ‘Downloads’ then browse to the folder ‘13622 Mainstream Wind Farms’.

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

Hlengiwe Ntuli or Stephan Jacobs	
SiVEST Environmental	
P O Box 2921	Tel: (011) 798 0600
RIVONIA	Fax: (011) 803 7272
2128	E-mail: hlengiwen@sivest.co.za or stephanj@sivest.co.za
	Website: www.sivest.co.za



BOERNEEF HERLEEF

VERSKEIE kunstenaars gaan binnekort by die Innibos Kunstefees optree in Flennie die Snare waarin hulde gebring word aan Boerneef (Isak W. van der Merwe) in woord en klank. Van links is Daniella Deysel, Johny Klein, wat die rol van Dirk Ligter sal vertolk, Anna Davel en Chris Chamelion as Isak.

OUMA NORTJÉ

CLOETE NORTJÉ vader van die bruidegom saam met sy suster Bea Mari Moller en sy moeder mev. Beatie Nortjé by die huwelik van sy seun Nic Saterdag 11 Junie 2017 op Fra serburg.

NELSPRUIT – 50 jaar na sy dood, word Boerneef ver-
eër in woord en klank in die
produksie Flennie die Snare
by die Innibos Laeveldse
Nasionale Kunstefees, vanaf
5 tot 8 Julie in die Nelspruit
Hoërskool-ouditorium.

Bantom hom so; En flennie die
snare; Ek is verlief op die kind;
Die son slaan vuur uit die
sweelvohare; Ek is verlief op
die kind. Boerneef. "Voshaar-
noui" getoonset deur Louis
van Rensburg. Hierdie (nou
reeds welbekende) woorde ver-
skyn in 1959 in een van Boer-
neef se gedigte in sy tweede
bundel Ghaap en kambro.

In 1986 skep Louis van Rens-
burg die ikoniese lied Voshaar-
noui deur drie van Boerneef se
gedigte te kombineer en te
toonset. Voshaar-noui word ge-
bruik as 'n tematiese vir die
televisie-reeks Ballade vir 'n
Enkeling.

Boerneef was skrywer, digter,
leksikograaf en akademikus,
en laat 'n skatnis van prosa en
poësie agter na sy afsterwe op
2 Julie 1967. En nou, 50 jaar na
sy dood, word Boerneef met 'n
sterbelaaide rolverdeling en
kreatiewe span. Chris Chamelion,
Anna Davel, Johny Klein
en Daniella Deysel deel die
verhoog met Jaco Nell Mouton
(musikale regisseur), Mauritz
Lotz en Riaan van Rensburg.
Frans Swart het die teks ge-
skryf en hanteer ook die regie.

Flennie die Snare word aan-
gebied met die ruim ondersteun-
ing van die Innibos Laeveldse
Nasionale Kunstefees.

Boerneef, die skrywersnaam
van Isak Wilhelmus van der
Merwe, is op 11 Mei 1897 op
Boplaas in Ceres se Koue Bok-

INNIBOS KUNSTEFEEES NA 50 JAAR

Boerneef Flennie die snare in 2017

keveld gebore. Hy het in Ceres
skoolgegaan en later aan die
Universiteit van Kaapstad stu-
deer, waar hy 'n meestersgraad
en 'n B.Ed.-graad voltooi het.
Na sy studies het hy hom as
onderwyser aan die Suid-
Afrikaanse Kollege Hoërskool
oëkwaam. In die dertigerjare
is hy een van die leidende fi-
gure in die Kaapse letterkun-
dige kringe, wat ook N.P. van
Wyk Louw, W.E.G. Louw,
Hettie Smit, F.J. le Roux en J.
du P. Scholtz insluit. Hy is in
1936 'n stigterslid van die Vere-
niging vir die Vrye Boek, wat
onder meer Hettie Smit se Sy
kom met die sekelmaan en Van
Wyk Louw se Die halwe kring
publiseer.

Boerneef se eerste skryftaak
(onder sy regte naam) was om
saam met professor D.B. Bos-
man (en later ook L.W. Hiem-
sta) 'n Tweetalige Woorde-
boek vir Engels en Afrikaans
saam te stel, wat dan ook die
standaardwerk op hierdie ge-
bied word (eerste uitgawe in
1936 en daarna telkens hersien
en aangevul). Tussen 1922 en
1961 was hy 'n dosent en later
'n professor in Afrikaans en
Nederlands aan die Universi-
teit van Kaapstad.

Boerneef was 'n woordkunste-
naar wat taal soos 'n instru-
ment hanteer het, en ontvang
hy in 1963 postuum die Hert-
zog-prys vir poësie.

DRAWWERS

CALVINIA – Sewentien atlete
het deelgeneem aan die Han-
tam Drawwers se weeklikse 5
kilometer tydtoets gehardloop
Dinsdag 13 Junie.

Seniors: 1. Jonathan Lakay
18.26; 2. Boelie Tieties 18.40; 3.
Cornelus Louw 19.04; 4. Frans
Louw 19.41; 5. Inalene Nel
23.58; 6. Janine Brynard 30.37.

Juniors (seuns): 1. Bertus Links
17.50; 2. Ruben Louw 18.06; 3.
Gideon Louw 18.53; 4. Ray-
mond Julies 19.31; 5. Brandley
Witbooi 19.40; 6. Leonardo
Opperman 20.15; 7. Randall
Snyder 23.39; 8. Cernot Louw
23.29; 9. Franklyn Lakay 23.39;
10. Dalon Galant 25.40.

Die 5km tydtoets vind elke
week plaas - Dinsdae vanaf
Hantampark - 17:30. Almal is
welkom - fiks of onfiks! Vir
verdere inligting skakel Bertus
Links 084 217 6597 of Fran-
cois Heunis 079 772 7858.



SIVEST
Environmental Division



Gestig in 1952

OMGEWINGSIMPAAK-EVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN VIER (4) WINDPLASE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIES NABY LOERIESFONTEIN, NOORD-KAAPPROVINSIE

- ★ Graskoppies Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Xhal Boom Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Hartebeest Leegte Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Ithemba Windplaas – (DO Verw. No.: Moet nog aangekondig word)
- ★ Graskoppies Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Xhal Boom Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Hartebeest Leegte Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)
- ★ Ithemba Roosterkonneksie – (DO Verw. No.: Moet nog aangekondig word)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) soos gewysig en die Regulasies op Omgewingsimpak-evaluerings (OIE-regulasies), ingevolge Staatskennisgewing R982, R983, R984 en R985 wat op 4 Desember 2014 afgekondig en op 7 April 2017 gewysig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna "Mainstream" genoem) SIVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsimpak-evalueringspraktisyn (OEP) om die nodige Omgewingsimpak-evaluerings (OIE's), Basiese Evalueringe (BE's) en Openbare Deelnameproses vir die bogenoemde beoogde projekte te onderneem.

PROJEKTESKRYWING

Mainstream beoog die ontwikkeling van vier (4) windplase naby Loeriesfontein in die Noord-Kaapprovinsie. Die beoogde ontwikkeling sal bestaan uit vier (4) windplase en gepaardgaande infrastruktuur, naamlik die Graskoppies Windplaas, Xhal Boom Windplaas, Hartebeest Leegte Windplaas en Ithemba Windplaas. Daarbenewens beoog Mainstream die oprigting van vier (4) 132 kV kraglyne, vier (4) 33 kV/132 kV interne substasies en 'n 132 kV Skakelsubstasie (hierna die "roosterkonneksies" genoem) om die beoogde windplase by die Helios Substasie met die nasionale kragnet te verbind.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente in Suid-Afrika te voldoen, sal elke windplaas 'n aparte Omgewingsmagtiging (OM) benodig. Daarbenewens sal elke roosterkonneksie ook 'n aparte OM benodig. Gevolglik sal vier (4) OIE's onderneem word; een vir elk van die beoogde windplase. Daarbenewens sal vier (4) BE's onderneem word; een vir elk van die gepaardgaande roosterkonneksies. Hoewel elke windplaas en die gepaardgaande roosterkonneksie apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al agt (8) van die beoogde projekte onderneem. Die potensiele omgewingsimpakte wat met al agt (8) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impak-evaluering geëvalueer word.

PROJEKTLIGGING

Die projekgebied vir die beoogde windplase en gepaardgaande roosterkonneksies sal sowat 62 km noord van Loeriesfontein, in die Khamma en Hantam Plaaslike Munisipaliteite in die Noord-Kaapprovinsie geleë wees.

BESKIKBAARHEID VAN DIE KONSEP BESTEKOPNAMEVERSLAE VIR OPENBARE INSAE

Die Konsep Bestekopnameverslae (KBV's) vir die beoogde windplase sal vanaf **Woensdag, 21 Junie 2017 tot Vrydag, 21 Julie 2017** (teen sluitingstyd) beskikbaar wees vir openbare kommentaar en insae. Indien u 'n elektroniese kopie van die KBV's (op CD) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Gedrukte kopieë van die KBV's kan by enige van die volgende openbare plekke nagegaan word:

PLEK	STRAATADRES	TYE	KONTAKNUMMER
Loeriesfontein Biblioteek	Hoofstraat, Loeriesfontein	Maandae – Vrydae 14:00 – 17:00	027 662 8607

Die verslae is ook beskikbaar op SIVEST se webwerf: <http://www.sivest.co.za/>, klik op "Downloads" en soek dan vir die vouer "13622 Mainstream Wind Farms".

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

Hlengiwe Ntull or Stephan Jacobs	
SIVEST Environmental Posbus 2921 RIVONIA 2128	Telefoon: 011 798 0600 Faks: 011 803 7272 E-pos: hlengiw@zivest.co.za of stephanj@zivest.co.za Webwerf: www.sivest.co.za

HANTAM MUNISIPALITEIT VAKATURES ALGEMENE ARBEIDERS

CALVINIA X 3

(VERWYSINGSNOMMER - 13/2017)

BRANDVLEI X 3

(VERWYSINGSNOMMER - 14/2017)

LOERIESFONTEIN X 2

(VERWYSINGSNOMMER - 15/2017)

NIEUWOUDTVILLE X 3

(VERWYSINGSNOMMER - 16/2017)

Hantam Munisipaliteit, met sy setel op Calvinia, nooi ge-
kwalifiseerde kandidate uit om aansoek te doen vir poste
van Algemene Arbeider. Voorgeskrewe aansoek vorms is
beskikbaar by die kantore en op die webtuiste van Hantam
Munisipaliteit.

VEREISTES:

Om te voldoen aan die vereistes van die pos, moet u oor
die volgende beskik:

- > Minimum Graad 8
- > Tegnieuse agtergrond
- > Kennis van basiese arbeidswerk en algemene onder-
houdswerke.
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan
werk.

VERANTWOORDELIKHEDDE:

- > Doen onderhoudsarbeid bv. Onderhoud van paaie,
Geboue, Persele van die Munisipaliteit.
- > Vullisverwydering
- > Sanitasie
- > Elektriesiteit
- > Waterwerke

STANDPLAAS: Bogenoemde dorpe.

SALARIS: Op die 1ste kerf van Posvlak T03 (R6 617.00
per maand).

SLUITINGSdatum: 30 Junie 2017

Gesertifiseerde afskrifte van Identiteitsdokument, Kwalifi-
kasies, Getuigskrifte nie ouer as 1 jaar nie asook 'n volle-
dige CV moet u aansoekvorm vergesel. Indien u nie binne
3 weke na sluitingsdatum terugvoering van die Munisipaliteit
kry nie, kan u, u aansoek as onsuksesvol aanvaar.

Neem kennis: Slegs kandidate op die kortlys sal gekontak
word.

Navrae kan gerig word aan die Waarnemende Munisipale
Bestuurder by die onderstaande adres:

Mnr. Riaan van Wyk Hantam Munisipaliteit
Tel: 027 341 8500 Hoopstraat 20
Faks: 027 341 8501 Privaat Sak X14
Epos: municipalmanager@hantam.gov.za Calvinia 8190

Hantam Munisipaliteit behou die reg voor om nie 'n aanstel-
ling te maak nie.

**HANTAM MUNICIPALITY
TOWN PLANNING SCHEME:
PROPOSED SPECIAL CONSENT USE:
ERF 2096 CALVINIA**

Notice is given in terms of the Spatial Planning Land Use Management Act, Act 16 of 2013, that it is the intention of the Hantam Municipality to consider the under mentioned actions on immovable property:

- Erf 2096, 7th STREET 280 CALVINIA
- 1.1 Proposed consent use
2. Description of property Erf 2096 Calvinia
3. Site 17th Street 280 Calvinia
4. Applicant Magdalena Minnies
5. Registered Owner Magdalena Minnies (Title Deed Nr. T54660/1996)
6. Present Utilisation Residential 1
7. Purpose for application Special Consent: Residential 1 (Proposed Mobile)

Full particulars are obtainable from the office of the Department Technical Services (Calvinia Office), during normal office hours (07:30 to 13:00 and 14:00 to 16:15) and objections against the application, if any, must be lodged in writing with the Head Town Planning and Building Control on or before **Friday, 7 July 2017**. Any person with objections against the application, who is unable to write, can during normal office hours on or before **Friday, 7 July 2017**, report to Mrs. R. Lock (Calvinia Office) who will put such a person's objections in writing.

J.R. van Wyk
Acting Municipal Manager
admin2@hantam.gov.za
Tel. No. 027 341 8500
Fax No. 027 341 8501

Municipal Offices
Private Bag X14
CALVINIA 8190

**HANTAM MUNICIPALITY
TOWN PLANNING SCHEME:
PROPOSED SPECIAL CONSENT USE:
ERF 2096 CALVINIA**

Notice is given in terms of the Spatial Planning Land Use Management Act, Act 16 of 2013, that it is the intention of the Hantam Municipality to consider the under mentioned actions on immovable property:

- Erf 2096, 7th STREET 280 CALVINIA
- 1.1 Proposed consent use
2. Description of property Erf 2096 Calvinia
3. Site 17th Street 280 Calvinia
4. Applicant Magdalena Minnies
5. Registered Owner Magdalena Minnies (Title Deed Nr. T54660/1996)
6. Present Utilisation Residential 1
7. Purpose for application Special Consent: Residential 1 (Proposed Mobile)

Full particulars are obtainable from the office of the Department Technical Services (Calvinia Office), during normal office hours (07:30 to 13:00 and 14:00 to 16:15) and objections against the application, if any, must be lodged in writing with the Head Town Planning and Building Control on or before **Friday, 7 July 2017**. Any person with objections against the application, who is unable to write, can during normal office hours on or before **Friday, 7 July 2017**, report to Mrs. R. Lock (Calvinia Office) who will put such a person's objections in writing.

J.R. van Wyk
Acting Municipal Manager
admin2@hantam.gov.za
Tel. No. 027 341 8500
Fax No. 027 341 8501

Municipal Offices
Private Bag X14
CALVINIA 8190

ADMINISTREER 240 STUDIEFONDSE

Helpende Hand se R40 miljoen

CENTURION – Die Studiefondsentrum, 'n inisiatief van Solidariteit Helpende Hand bied al sedert 2003 rentevrye studieleenings aan jong Suid-Afrikaneers.

Om jouself in vandag se lewe met 'n opleiding te bekwaam is werklik 'n uitdaging. Studieleenings by banke dra onbekostigbare hoë rentes en beurse is eenvoudig onbekikbaar. Vir weeskinders sonder ondersteuningsnetwerke en vele ander behoeftige jong mense is die Studiefondsentrum die enigste hoop tot verdere opleiding.

Janie Brink, uitvoerende hoof van Solidariteit Helpende Hand, sê dat die Studiefondsentrum aan behoeftige studente wat 'n finansiële tekort het, die nodige hulp bied om seker te maak dat studente kan gaan studeer wat hulle graag wil studeer sonder dat finansies in die pad van hulle drome staan. Solidariteit Helpende Hand se studiefonds administreeer tans 240 onafhanklike studiefondse ter waarde van R40 miljoen waarmee daar vanjaar 'n rekordgetal van meer as 1 500 studente met rentevrye studieleenings gehelp is.

Volgens Flip Buys, voorsitter van die Solidariteit Beweging, het Helpende Hand die afgelope vyf jaar reeds meer as 5 000 studente met hul studies bygestaan. "Die Studiefondsentrum is baie trots op die rentevrye lenings se terugbetalingskoers van 98% en glo dit

sê baie van die gehalte student wat deur die Sentrum bygestaan word. Studente wat aansoek doen vir hulp word streng volgens meriete en behoefte gekeur, en die slaagsyfer onder leninghouers word op sowat 90% beraam – baie hoër as die nasionale gemiddeld," het Buys gesê.

U kan 'n reuse verskil maak in die lewe van jong mense deur hulle te bemagtig deur slegs 'n skenking te gee of selfs 'n studiefonds te stig. Daar is vele moontlikhede in Suid-Afrika – 'n toekoms vir almal – maar opleiding bly 'n sleutel tot sukses.

Sedert die stigting van die Studiefondsentrum het dit byna 100% van jaar tot jaar gegroei. Die Studiefondsentrum hoop om teen 2020, R100 miljoen te bewillig om Afrikaanse studente se toegang tot hoër onderwys te bevorder. 'n Klip aan die regte deur – die Studiefondsentrum se deur, kan dalk net iemand se armoede breek of voorkom.

Só bou Solidariteit voort aan ons monument vir Afrikaans se toekoms. Sluit by Solidariteit aan en SMS die woord BOUSAAM na 34802 (R1/sms) of laat weet ons waar jy sal wil bou by <https://solidariteit.co.za/bousaam/#meningspeiling>.

**NOORDWESTER
UITGEWERS**
Drukkers van Naam op Calvinia
TEL. (027) 3411026
FAKS (027) 3411686

NOORDWESTER UITGEWERS

Drukkers van Naam op Calvinia
SKRYFBEHOEFTE HANDELAARS

FOON 027 341 1026

FAKS 027 341 1686

E-pos:

noordwester@hantam.co.za

SIVEST
Environmental Division



ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- ★ Graskoppies Wind Farm – (DEA Ref No: To be announced)
- ★ Xhal Boom Wind Farm – (DEA Ref No: To be announced)
- ★ Hartebeest Leegte Wind Farm – (DEA Ref No: To be announced)
- ★ Ithemba Wind Farm – (DEA Ref No: To be announced)
- ★ Graskoppies Grid Connection – (DEA Ref No: To be announced)
- ★ Xhal Boom Grid Connection – (DEA Ref No: To be announced)
- ★ Hartebeest Leegte Grid Connection – (DEA Ref No: To be announced)
- ★ Ithemba Grid Connection – (DEA Ref No: To be announced)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 7 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (hereafter referred to as "Mainstream") has appointed SIVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Environmental Impact Assessments (EIAs), Basic Assessments (BAs) and Public Participation Process for the above-mentioned proposed projects.

PROJECT DESCRIPTION

Mainstream are proposing to develop four (4) wind farms near Loeriesfontein in the Northern Cape Province. The proposed development will consist of four (4) wind farms and associated infrastructure, namely Graskoppies wind farm, Xhal Boom wind farm, Hartebeest Leegte wind farm and Ithemba wind farm. In addition, Mainstream, are proposing to construct (4) 132kV power lines, four (4) 33kV/132kV on-site substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect the proposed wind farms to the national grid at Helios Substation.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each wind farm will require a separate Environmental Authorisation (EA). Additionally, each grid connection will also require a separate EA. As such, four (4) EIAs will be undertaken, one for each proposed wind farm. Additionally, four (4) BAs will be undertaken, one for each associated grid connection. Although each wind farm and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all eight (8) proposed projects. The potential environmental impacts associated with all eight (8) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

PROJECT LOCATION

The project area for the proposed wind farms and associated grid connections will be located approximately 62km north of Loeriesfontein, in the Khai-ma and Hantam Local Municipalities within the Northern Cape Province.

AVAILABILITY OF THE DRAFT SCOPING REPORTS FOR PUBLIC REVIEW

The Draft Scoping Reports (DSRs) for the proposed wind farms will be available for public comment and review as from **Wednesday 21 June 2017 to Friday 21 July 2017** (end of business day). Should you wish to receive an electronic copy of the DSRs (CD) please forward your request in writing to us. Hard copies of the DSRs can be reviewed at the following public place:

VENUE	STREET ADDRESS	HOURS	CONTACT NO
Loeriesfontein Library	Main Street, Loeriesfontein	Mondays–Fridays 14:00 – 17:00	027 662 8607

The reports are also available on SIVEST's website: <http://www.sivest.co.za/>, click on "Downloads" then browse to the folder "13622 Mainstream Wind Farms".

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

Hlangwe Ntull or Stephan Jacobs
SIVEST Environmental
P O Box 2921
RIVONIA
2128
Tel: 011 798 0600
Fax: 011 803 7272
E-mail: hlangwen@sivest.co.za or stephan@sivest.co.za
Website: www.sivest.co.za

HANTAM MUNISIPALITEIT VAKATURES ALGEMENE ARBEIDER

ROMAN X 1

(VERWYSINGSNOMMER - 17/2017)

Hantam Munisipaliteit, met sy setel op Calvinia, nooi gekwalifiseerde kandidate uit om aansoek te doen vir die pos van Algemene Arbeider te Roman. Voorgeskrewe aansoek vorms is beskikbaar by die kantore en op die web-tuiste van Hantam Munisipaliteit.

VEREISTES:

Om te voldoen aan die vereistes van die pos, moet u oor die volgende beskik:

- > Minimum Graad 10
- > Kennis van basiese arbeidswerk en algemene onderhouidswerke.
- > Tegnieese agtergrond
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan werk.

VERANTWOORDELIKHEDE:

- > Daaglikse water pomp na Brandvlei.
- > Instandhouding van dieselmotors en pompe.
- > Masjienkamers en masjiene netjies hou.
- > Water, watervlakke en diesilverbruik monitor en le-sings hou.

STANDPLAAS: Roman

SALARIS: Op die 1ste kerf van Posvlak T03 (R6 617.00 per maand).

SLUITINGSDATUM: 30 Junie 2017

Gesertifiseerde afskrifte van Identiteitsdokument, Kwalifikasies, Getuigskrifte nie ouer as 1 jaar nie asook 'n volledige CV moet u aansoekvorm vergesel. Indien u nie binne 3 weke na sluitingsdatum terugvoering van die Munisipaliteit kry nie, kan u, u aansoek as onsuksesvol aanvaar.

Neem kennis: Slegs kandidate op die kortlys sal gekontak word.

Navrae kan gerig word aan die Waarnemende Munisipale Bestuurder by die onderstaande adres:

Mnr. Riaan van Wyk Hantam Munisipaliteit
Tel: 027 341 8500 Hoopstraat 20
Faks: 027 341 8501 Privaatstak X14
Epos: municipalmanager@hantam.gov.za Calvinia 8190

Hantam Munisipaliteit behou die reg voor om nie 'n aanstelling te maak nie.



Appendix 7D
Correspondence



**Appendix 7D1
Correspondence
To Authorities**



Appendix 7D2
Correspondence
From Authorities



Appendix 7D3
Correspondence
To IAPs



**Appendix 7D4
Correspondence
From IAPs**



Appendix 7E
Comments and Response Report

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

COMMENTS AND RESPONSES REPORT – FINAL SCOPING REPORT

**PROPOSED CONSTRUCTION OF THE GRASKOPPIES WIND FARM NEAR LOERIESFONTEIN,
NORTHERN CAPE PROVINCE**

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

OCTOBER 2016 – July 2017

Stakeholders who contributed issues ranging across all sectors of society are recorded in this Comments and Responses Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in **Appendix 7E** of the Final Scoping Report (FSR). Similar issues raised have been grouped together. The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR.

INDEX TO ISSUES IN THIS TABLE

1	LANDOWNER RELATED COMMENTS/ISSUES.....	3
2	STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES.....	15
3	AUTHORITY RELATED COMMENTS/ ISSUES.....	24

ABBREVIATIONS

BA	Basic Assessment
DEIAr	Draft Environmental Impact Assessment Report
DSR	Draft Scoping Report
EIA	Environmental Impact Assessment
EMI	Electromagnetic Interference
FSR	Final Scoping Report
I&AP	Interested and/or Affected Party
ITC	Interference Testing and Consultancy Services
MW	Megawatt
RFI	Radio Frequency Interference
SAHRA	South African Heritage Resources Agency
SAHRIS	South African Heritage Information System
SKA	Square Kilometre Array
VIA	Visual Impact Assessment
WTG	Wind Turbine Generators

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
1.1 Farming Activity Related Comments/Issues		
<p>During the construction process sheep will have to be moved to another farm, which will need to be rented. Compensation for this is thus needed (If the landowner has to move sheep to another farm, then compensation for the lost rental income will be necessary).</p>	<p>Albie Louw Landowner: Hartebeest Leegte No. 216 (directly affected) Landowner Consultation: 12–14 October 2016</p> <p>Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 (adjacent) Telephonic Interview</p> <p>Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 (adjacent) and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>This issue/concern has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further explored during the EIA Phase of the proposed development. It should also be noted that the issue of compensation for the other farms which will need to be rented will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>It was stated that there is not much farmland available for rent in the area. There is therefore a concern that there will be a shortage of available grazing land if all farmers will have to move their sheep.</p>	<p>Albie Louw Landowner: Hartebeest Leegte No. 216 (directly affected) Landowner Consultation: 12–14 October 2016</p> <p>Koosie Nel</p>	<p>This issue/concern has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further explored during the EIA Phase of the proposed development. It should also be noted that the issue of the shortage of available grazing land will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
	Landowner: Portion 1 of the Farm Graskoppies No. 176 (adjacent) Telephonic Interview	
50% fewer sheep will have to be moved from the farm in order to avoid the workers during construction.	Nico Louw Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected) Landowner Consultation: 12-14 October 2016 and Landowner Consultation: 26 October 2016	This issue/concern has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further explored during the EIA Phase of the proposed development. Andrea Gibb, SiVEST
Water in the area is very scarce (water is a problem in general in the area). There is therefore a concern about where water will be sourced from during the construction phase (not sure where the construction company gets the water for the construction phase).	Albie Louw Landowner: Hartebeest Leegte No. 216 (directly affected) Landowner Consultation: 12–14 October 2016 Nico Louw Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected) Landowner Consultation: 12-14 October 2016	This issue has been addressed in the Socio-Economic Specialist Report. In addition, a Surface Water Assessment was undertaken in order to determine what impacts the proposed development will have on the surface water resources which are present within the study area. The Socio-Economic and Surface Water Specialist Reports have been included in the FSR. It should also be noted that this issue will be further explored during the EIA Phase of the proposed development. Andrea Gibb, SiVEST
Adequate compensation for loss of grazing area is a concern.	Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 (adjacent)	This issue has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
	<p style="text-align: center;">Telephonic Interview</p> <p style="text-align: center;">Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>explored during the EIA Phase of the proposed development. It should also be noted that the issue of compensation for operational changes and/or losses, as well as loss of grazing area, will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>The landowner must be compensated for all operational losses during the construction phase. Losses will be proportionate to the rental income forfeited for the proportion of land (grazing surface) that is converted to road and construction site, or for all land that cannot be used for farming during construction phase. If the landowner has to move sheep to another farm, then compensation for the lost rental income will be necessary.</p>	<p style="text-align: center;">Dr. Nel Landowner: Remainder of the Farm Hartebeest Leegte No. 216 (adjacent) Landowner Consultation: 12-14 October 2016</p>	<p>This issue has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further explored during the EIA Phase of the proposed development. It should also be noted that the issue of compensation for operational changes and/or losses, as well as loss of grazing area, will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>The landowners will also need to be adequately compensated for the operational changes they will have to make, which includes potentially moving reservoirs and windmills, as well as re-arranging and thus re-fencing the existing sheep grazing areas.</p>	<p style="text-align: center;">Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>This issue has been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. In addition, this issue will be further explored during the EIA Phase of the proposed development. It should also be noted that the issue of compensation for operational changes and/or losses, as well as loss of grazing area, will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>Roads, etc. must be set up as practically as possible, without infringing on existing infrastructure (fences, farm gates, water pipes, water</p>	<p style="text-align: center;">Dr. Nel</p>	<p>The landowner's comment was duly noted. In addition, this issue/concern will be raised with Mainstream.</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>installations, windmills, etc.). Where operations interrupt farming, the construction company must take care to move water reservoirs, fencing, wiring, feeding lots, etc., so that farming can continue with minimal interruption.</p> <p>All proposed roads through the farm need to be discussed with and approved by Dr. Nel before they are built.</p>	<p>Landowner: Remainder of the Farm Hartebeest Leegte No. 216 (adjacent) Landowner Consultation: 12-14 October 2016</p>	<p>Andrea Gibb, SiVEST</p>
<p>The construction company must keep farmers well informed of their plans, operations and movements. Keep them in the know and always get approval from farmers regarding where they plan to set things up.</p>	<p>Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 Telephonic Interview</p> <p>Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 (adjacent) and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>The landowners' comments were duly noted. In addition, this issue will be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>Traffic and dust from passing construction vehicles is a big concern for Portion 1 of the farm Konnes No 183. The current road servicing the farm is frequented only by neighbouring farmers. It is a small quiet road that is not wide enough for two construction vehicles to drive side-by-side. The existing road directly passes the farm house (80m away) as well as the wind mill and the water reservoir which services all sheep on that farm. The road will have to be moved further away from farmstead as it will have a direct negative effect on the farming</p>	<p>Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>Mainstream appointed SMEC to undertake a Transportation Study for the proposed development. The Transportation study has been included in the FSR. Both the abnormal and legal vehicles were reviewed in terms of their type of activity (i.e. construction traffic, traffic associated with the transportation of the wind turbine components, or traffic associated with the transportation of materials, equipment and people). The key issues associated with the construction and operational phases</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>operations and the residents. Furthermore, re-routing the road will lead to destruction of veld, for which compensation will be necessary. The road's re-routing must be done via prior consultation with the owner. The road will have to be sprayed by Ekit to control the dust as it will severely impact the homestead and farming operations.</p>		<p>of the project that were assessed as part of the transport study are:</p> <ul style="list-style-type: none"> • Increase in traffic generation throughout the lifetime of the project; • Increase in road maintenance required; and • Ability to transport wind turbine components to site safely and efficiently. <p>It should be noted that various specialists have addressed the issue of dust and several mitigation measures and/or recommendations have been provided in their respective reports. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The issue of dust will also be further explored during the EIA phase.</p> <p>The issue of moving the existing road further away from the farmstead, as well as compensation for destruction of the veld as a result of re-routing this road, will be raised and discussed with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
<p>Care must be taken by construction workers not to do unnecessary damage to existing infrastructure.</p>	<p>Dr. Nel Landowner: Remainder of the Farm Hartebeest Leegte No. 216 (adjacent) Landowner Consultation: 12-14 October 2016</p>	<p>The landowner's comment was duly noted. This issue will also be raised with Mainstream.</p> <p>Andrea Gibb, SiVEST</p>
1.2 Power Line Corridor Related Comments/Issues		

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>There is a concern about the power cables linking the Graskoppies wind farm to Helios Substation going directly through Remainder of the Farm Aan Karree Doorn Pan No. 213 and Portion 1 of the Farm Karree Doorn Pan No. 214. This would not only cause a short term problem, but a long term operational and infrastructural problem, as the power cables would be set up in close proximity to the existing infrastructure (i.e. dams, windmills etc.). In addition, the power cables should preferably be far from the main house.</p>	<p>Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 (adjacent) and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>The landowner's comment was duly noted. In addition, this issue will be raised with Mainstream. It should however be noted that a separate Basic Assessment (BA) process is being undertaken to assess the proposed power line. This is to allow handover to Eskom. <i>Andrea Gibb, SiVEST</i></p>
<p>Raised concerns about power cables being set up in close proximity to the existing infrastructure. These should avoid dams and windmills, and should preferably be far from the main house.</p>	<p>Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 Telephonic Interview</p>	<p>The landowner's comment was duly noted. In addition, this issue will be raised with Mainstream. It should however be noted that a separate Basic Assessment (BA) process is being undertaken to assess the proposed power line. This is to allow handover to Eskom. <i>Andrea Gibb, SiVEST</i></p>
<p>Option 1 would impact on a proposed wind development project earmarked for the northern part of the farm. Option 2 seems to be the shortest route over the property, however, it will traverse an area where wildlife has been introduced. It was stated that Option 3 is the most preferred option for the power line routing as it will have less impact on the biodiversity on the property.</p>	<p>Francois van der Merwe Landowner: Remainder of Sous 226 Landowner Consultation: 26 October 2016</p>	<p>The landowner's comments were duly noted. It should however be noted that the Basic Assessment (BA) process for the proposed 132kV power line which will connect the wind farm to the Helios Substation has not yet commenced. No preferred alternatives/options with regards to proposed power line routes have therefore been identified at this stage. These will be identified and explored during the BA process. The landowner's comments will however be taken into consideration. <i>Andrea Gibb, SiVEST</i></p>
1.3 Biodiversity Related Comments/Issues		
<p>Raised concerns about the destruction of the veld during construction. Not concerned about the grass on their farms as it grows back / recovers quickly (Mr. Albie Louw's farm is almost only grass).</p>	<p>Albie Louw Landowner: Hartebeest Leegte No. 216</p>	<p>A Biodiversity Specialist was appointed in order describe and detail the ecological features of the proposed site, provide a preliminary assessment of the ecological sensitivity of the site</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>However, the destruction of the 'bossie' veld and shrubs during the construction phase are a concern because these do not recover fast and they are the primary source of food for the sheep.</p>	<p>Landowner Consultation: 12–14 October 2016 and Landowner Consultation: 26 October 2016 Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 Telephonic Interview Francois van der Merwe Landowner: Remainder of Sous 226 Landowner Consultation: 26 October 2016</p>	<p>and identify the likely impacts that may be associated with the development of the site as a wind farm. As such, the issue of veld and shrub destruction during construction has been addressed in the Biodiversity Specialist Report. Various mitigation measures and/or recommendations have been provided in the specialist report in order to address the issue of veld and shrub destruction during construction. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The Biodiversity Specialist Report has been included in the FSR. This issue will however be explored further during the EIA phase. Andrea Gibb, SiVEST</p>
<p>Raised concerns about the destruction of the veld during construction. The construction company must ensure that minimal damage is done to the veld during construction. In addition, care must be taken by construction workers not to do unnecessary damage to the veld.</p>	<p>Dr. Nel Landowner: Remainder of the Farm Hartebeest Leegte No. 216 (adjacent) Landowner Consultation: 12-14 October 2016</p>	<p>A Biodiversity Specialist was appointed in order describe and detail the ecological features of the proposed site, provide a preliminary assessment of the ecological sensitivity of the site and identify the likely impacts that may be associated with the development of the site as a wind farm. As such, the issue of veld and shrub destruction during construction has been addressed in the Biodiversity Specialist Report. Various mitigation measures and/or recommendations have been provided in the specialist report in order to address the issue of veld and shrub destruction during construction. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The Biodiversity Specialist</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
		<p>Report has been included in the FSR. This issue will however be explored further during the EIA phase.</p> <p>Andrea Gibb, SiVEST</p>
<p>It was mentioned that the area experiences high concentration of fog and the evaporation causing condensation could cause erosion.</p>	<p>Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 26 October 2016</p>	<p>The landowner's comment was duly noted and will be taken into consideration. It should be noted that the Agricultural Specialist Assessment included a visual assessment of erosion and erosion potential on site, taking into account a potential development layout. It was noted that natural surface erosion is active but there is no evidence of excessive, accelerated erosion, or other land degradation. The land is classified as having a low to moderate water erosion hazard (class 5), but it is classified as highly susceptible to wind erosion (class 1a and 1d) because sands, as a soil textural class, are dominant. In addition, erosion impacts as a result of the proposed development were also explored and assessed and various mitigation measures / recommendations have been provided in order to address this impact. The Agricultural Specialist Report has been included in the FSR.</p> <p>Andrea Gibb, SiVEST</p>
<p>There is an existing road which directly passes the farm house (80m away). The road will have to be moved further away from farmstead as it will have a direct negative effect on the farming operations and the residents. The re-routing the road will lead to destruction of veld, for which compensation will be necessary.</p>	<p>Gert Johannes Lombard Landowner: Portion 1 of 214, Portion 1 of the Farm Konnes No. 183 and Portion 8 of the Farm Dik Pens No. 182 Landowner Consultation: 12-14 October 2016</p>	<p>The landowner's comment was duly noted. The issue of veld destruction has been assessed in the Biodiversity Specialist Report. Various mitigation measures and/or recommendations have been provided in the specialist report in order to address the issue of veld destruction and to minimise/mitigate this impact. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The Biodiversity Specialist report has been included in the FSR.</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
		<p>This issue will however be further explored during the EIA phase.</p> <p>In addition, the issue of re-routing this existing road, as well as compensation for the destruction of veld as a result of this, will be raised with Mainstream for consideration.</p> <p>Andrea Gibb, SiVEST</p>
<p>The following concerns regarding biodiversity were raised and need to be addressed by the various environmental specialists:</p> <ul style="list-style-type: none"> • Avifauna; and • Disturbance of flora especially during the construction phase 	<p>Francois van der Merwe Landowner: Remainder of Sous 226 Landowner Consultation: 26 October 2016</p>	<p>The landowner's concerns were duly noted. It should be noted that Mainstream appointed an Avifauna Specialist in order to undertake 12-month pre-construction monitoring for the proposed development and complete an Avifauna Impact Assessment. The aim of the Avifauna Impact Assessment was to describe the affected environment from an avifaunal habitat perspective, discuss any applicable legislation pertaining to impacts on avifauna and assess the expected impacts. It should be noted that issues relating to avifauna will be explored further during the EIA phase. The Avifauna Specialist Report has been included in the FSR.</p> <p>In addition, a Biodiversity Specialist was appointed in order describe and detail the ecological features of the proposed site, provide a preliminary assessment of the ecological sensitivity of the site and identify the likely impacts that may be associated with the development of the site as a wind farm. As such, the issue of the disturbance of flora (especially during the construction phase) has been explored, assessed and addressed in the Biodiversity Specialist Report. Various</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
		mitigation measures and/or recommendations have also been provided in the specialist report in order to address this issue. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The issue of disturbance of flora (especially during the construction phase) will be explored further during the EIA phase. Andrea Gibb, SiVEST
1.4 Visual Related Comments/Issues		
Not concerned about visual impact of the wind farm once it is constructed as he believes that the turbines are beautiful	Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 12–14 October 2016	The landowner’s comment was duly noted. It should be noted that a Visual Impact Assessment (VIA) was undertaken by SiVEST in order to identify key visual issues relating to the development of the wind farm as well as to determine the potential extent of the visual impact. The VIA report has been included in the FSR. The key visual issues relating to the development of the wind and potential extent of the visual impact will also be explored further during the EIA phase. Andrea Gibb, SiVEST
1.5 Agriculture Related Comments/Issues		
Dust needs to be controlled as sheep (especially the Merinos) will be affected by this.	Dr. Nel Landowner: Remainder of the Farm Hartebeest Leegte No. 216 (adjacent) Landowner Consultation: 12-14 October 2016	Various specialists have addressed the issue of dust as a result of the proposed development and different mitigation measures and/or recommendations have been provided in these respective specialist reports in order to minimise/mitigate this impact. These mitigation measures and/or recommendations will need to be strictly adhered to during construction. The issue of dust will also be further explored during the EIA phase. Andrea Gibb, SiVEST
1.6 Socio-Economic Related Comments/Issues		

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
Acknowledged that the proposed development will have economic benefits for the farm and the town during the operational phase.	Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 12–14 October 2016	The economic benefits for the farms and town during the operational phase have been adequately addressed in the Socio-Economic Specialist Report. This report has been included in the FSR. In addition, this issue will be further explored during the EIA phase. Andrea Gibb, SiVEST
It was commented that not only will the proposed development have economic benefit for Loeriesfontein but it will also spread over to neighbouring towns.	Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 26 October 2016	The landowner’s comment was duly noted. In addition, the economic benefits for Loeriesfontein and the neighbouring towns have been adequately addressed in the Socio-Economic Specialist Report. This report has been included in the FSR. In addition, this issue will be further explored during the EIA phase. Andrea Gibb, SiVEST
Recommended that that there should be a grant for young mothers to support their children	Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 12–14 October 2016	The landowner’s recommendation has been duly noted. In addition, this recommendation will be raised with Mainstream for consideration Andrea Gibb, SiVEST
The project team was informed that Mr. Louw is positive with regards to the proposed development.	Albie Louw Landowner: Hartebeest Leegte No. 216 Landowner Consultation: 26 October 2016	The landowners’ comments were duly noted. Andrea Gibb, SiVEST
Acknowledged that the economic impact has been positive for Loeriesfontein based on other projects currently in progress. Gross profits have doubled and all businesses are doing much better.	Nico Louw Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected)	The Socio-Economic Specialist Report has stated that the recently established wind farms have added value to the tourism component of the area. Due to the influx of people in the town, the economic impact has been positive for the town as a result of this; food and fuel sales have spiraled, increasing businesses’

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>The impact of the wind farms has been more positive than negative, however, one can't expect that there won't be negatives</p>	<p>Landowner Consultation: 12-14 October 2016</p>	<p>gross revenues and profits in an unprecedented manner. Further positive investments are expected to trickle down to the Loeriesfontein community when the surrounding wind farms break even (after 9 years) and 5% of the generated profits will be invested in the community. The Socio-Economic Specialist Report has been included in the FSR. This will however be explored further during the EIA phase. Andrea Gibb, SiVEST</p>
<p>Social problems in town (Loeriesfontein) are very bad. The coloured women of the town provide "pleasures" to the construction workers who live in the town. It is becoming a norm. The same thing happened when French construction workers came to work on the Sishen-Saldanha railway. In addition, it was stated that the polish wind farm workers are not welcome in the area as their reputation with young girls preceded them.</p>	<p>Nico Louw Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected) Landowner Consultation: 12-14 October 2016</p>	<p>The current social problems in town have been addressed in the Socio-Economic Specialist Report. In addition, the concerns/issues raised regarding the construction workers which have been employed to develop wind farms in the area have also been addressed in this report. These issues will be explored further during the EIA phase. The Socio-Economic Specialist Report has been included in the FSR. Andrea Gibb, SiVEST</p>
<p>There is a low standard of living for the coloured community in the town. Even though the town is better off economically, there is less work for the Loeriesfontein community, because of alcohol and drug abuse (i.e. Tik).</p>	<p>Nico Louw Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected) Landowner Consultation: 12-14 October 2016</p>	<p>Information regarding the standard of living for the local community in the town has been addressed in the Socio-Economic Specialist Report. In addition, the issues of unemployment and drug and alcohol abuse have also been addressed in this report. These issues will also be further explored during the EIA phase. The Socio-Economic Specialist Report has been included in the FSR. Andrea Gibb, SiVEST</p>
1.7 Security Related Comments/Issues		
<p>Stock theft and other criminal activities on the farms during the construction phase are a concern.</p>	<p>Nico Louw</p>	<p>The Socio-Economic Specialist Report has addressed the issue of stock theft and other criminal activities on the farms during the</p>

Issue/Comment	Raised By	Response
1. LANDOWNER RELATED COMMENTS/ ISSUES		
<p>Mr. Nico Louw stated that the Sishen-Saldanha railway has increased stock theft by 100 fold.</p>	<p>Landowner: Portion 2 of the Farm Graskoppies No. 176 (directly affected) Landowner Consultation: 12-14 October 2016 Koosie Nel Landowner: Portion 1 of the Farm Graskoppies No. 176 Telephonic Interview</p>	<p>construction phase. In addition, the impacts associated with the Sishen-Saldanha railway has also been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. It should also be noted that these impacts will be explored further during the EIA phase. Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
2.1 Project Related Comments/Issues		
<p>The dirt road to the Loeriesfontein and Khobab Wind Farm sites is constantly maintained, which is a good thing, but it would have been better just to tar it from the start as it is easier to maintain. The tar road to Nieuwoudtville needs to be maintained again, because of the heavy loads. It is however in better condition that it was a few years ago</p>	<p>Victor Haupt Owner/Founder of the Loeriesfontien SPAR Stakeholder Consultation: 12-14 October 2016</p>	<p>The stakeholder's comment was duly noted. In addition, the increase in road maintenance required is one of the key issues associated with the construction and operational phases of the project that were assessed as part of the Transportation Study. The Transportation Study has been included in the FSR. It should also be noted that this issue will also be further explored during the EIA phase. Andrea Gibb, SiVEST</p>
<p>It was recommended that authorised power line routes for other projects be investigated in the EIA / BA.</p>	<p>Siphelele Dunga BioTherm Energy Registration and Comment Form: 09 February 2017</p>	<p>Mr. Dunga's recommendation was duly noted. Authorised power line routes for other projects will be investigated as part of the BA process for the proposed on-site IPP Substation and Power Line Routes (part of separate on-going BA processes).</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>Recommended that a rehabilitation or relocation plan (depending on feasibility) be investigated in the EIA / BA. The removal of plant species from the proposed areas should take place prior to construction commencing. These plant species should be grown ex-situ (via a nursery which will create employment opportunities) and then relocated after construction has been completed.</p>	<p>Jeannette-Anne Steenkamp Registered I&AP: Municipal Council Registration and Comment Form: 25 March 2017</p>	<p>Andrea Gibb, SiVEST Mrs. Steenkamp's comments were duly noted and will be forwarded to Mainstream as well as the Biodiversity Specialist for consideration. The Biodiversity Specialist Assessment has addressed these issues and has made similar recommendations. These will however be further explored during the EIA phase and included in the EMPr where necessary. The Biodiversity Specialist Assessment is included in Appendix 6 of this FSR. Andrea Gibb, SiVEST</p>
<p>Recommended that preference be given to conservation organisations to remove seeds, cuttings and plants prior to construction commencing for conservation purposes.</p>	<p>Jeannette-Anne Steenkamp Registered I&AP: Municipal Council Registration and Comment Form: 25 March 2017</p>	<p>Mrs. Steenkamp's comment was duly noted and will be forwarded to Mainstream and the Biodiversity Specialist for consideration. This will be further explored during the EIA phase and included in the EMPr where necessary. Andrea Gibb, SiVEST</p>
2.2 Socio-Economic Related Comments/Issues		
<p>Acknowledged that the social problems in Loeriesfontein come from a long time ago and is nothing new. Problems are just happening on a bigger scale now. There are social problems, but they have always been there.</p>	<p>Victor Haupt Owner/Founder of the Loeriesfontien SPAR Stakeholder Consultation: 12-14 October 2016</p>	<p>The Socio-Economic Specialist Report has adequately addressed the current social problems within the town of Loeriesfontein. The Socio-Economic Specialist Report has been included in the FSR. In addition, the existing social problems/issue identified within the town of Loeriefontein will be further explored during the EIA phase. Andrea Gibb, SiVEST</p>
<p>There is not enough work in general, but at the moment, for every person that wants to work, there is work. There are new opportunities. About 100-150 Loeriesfontein locals are employed on the wind project.</p>	<p>Victor Haupt Owner/Founder of the Loeriesfontien SPAR</p>	<p>The I&AP's comment was duly noted. It should be noted that the Socio-Economic Specialist has addressed the issue of unemployment, as well as increased employment levels as a result of the other nearby wind farms, in the specialist report. In</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
	Stakeholder Consultation: 12-14 October 2016	addition, these issues will be further explored during the EIA phase. The Socio-Economic Specialist Report has been included in the FSR. Andrea Gibb, SiVEST
It was recommended that 5% of profits should go back to the town in the post-construction phase	Victor Haupt Owner/Founder of the Loeriesfontien SPAR Stakeholder Consultation: 12-14 October 2016	The I&AP's comment was duly noted. The Socio-Economic Specialist Report has stated that further positive investments are expected to trickle down to the Loeriesfontein community when the surrounding wind farms break even (after 9 years) and 5% of the generated profits will be invested in the community. The Socio-Economic Specialist Report has been included in the FSR. This will however be explored further during the EIA phase. In addition, this will be raised with Mainstream in order to confirm this. Andrea Gibb, SiVEST
The wind farms are a godsend. The money that has been injected into the little town, the school, the roads etc. has made a huge difference. The town won't be what it was when the construction is over, but there are new projects coming so it's not yet a worry. And you can see the impact now already as the town is looking better.	Victor Haupt Owner/Founder of the Loeriesfontien SPAR Stakeholder Consultation: 12-14 October 2016	The I&AP's comment was duly noted. In addition, the Socio-Economic Specialist Report has addressed the positive socio-economic impacts associated the proposed development. The Socio-Economic Specialist report has been included in the FSR. The positive socio-economic impacts associated the proposed development will be explored further during the EIA phase. Andrea Gibb, SiVEST
Acknowledged that the economic impact has been positive for Loeriesfontein based on other projects currently in progress. The impact of the wind farms has been more positive than negative, however, one can't expect that there won't be negatives	Victor Haupt Owner/Founder of the Loeriesfontien SPAR Stakeholder Consultation: 12-14 October 2016	The Socio-Economic Specialist Report has stated that the recently established wind farms have added value to the tourism component of the area. Due to the influx of people in the town, the economic impact has been positive for the town as a result of this; food and fuel sales have spiraled, increasing businesses'

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
		<p>gross revenues and profits in an unprecedented manner. Further positive investments are expected to trickle down to the Loeriesfontein community when the surrounding wind farms break even (after 9 years) and 5% of the generated profits will be invested in the community. The Socio-Economic Specialist Report has been included in the FSR. This will however be explored further during the EIA phase.</p> <p>Andrea Gibb, SiVEST</p>
<p>Only a minority of workers from Loeriesfontein are employed on the construction projects. Some of the local contract workers are angry with the polish workers and other workers coming in from elsewhere and taking their jobs. In addition, the wind farm workers easily influence the young people in the area. The polish workers have only been here 3 months but they already have a reputation. Their reputation preceded them. There was a woman who petitioned that the polish workers shouldn't come to the town before they even arrived, because of the reputation they had gained elsewhere. Contract workers who have come in are an evil to the town. There are enough evils in the community, and now the town will never be the same.</p>	<p>Hendrika Skeepers Domestic helper of Maria Husselman Stakeholder Consultation: 12-14 October 2016</p>	<p>The current social problems in town have been addressed in the Socio-Economic Specialist Report. In addition, the concerns/issues raised regarding the construction workers which have been employed to develop wind farms in the area have also been addressed in this report. These issues will be explored further during the EIA phase. The Socio-Economic Specialist Report has been included in the FSR.</p> <p>Andrea Gibb, SiVEST</p>
<p>There is a drug problem in the town of Loeriesfontein and there is also too much stress in the community.</p> <p>In addition, there is no support from social workers in town. There are no social workers in the area and that is a dire concern</p>	<p>Hendrika Skeepers Domestic helper of Maria Husselman Stakeholder Consultation: 12-14 October 2016</p>	<p>The issues of unemployment and drug and alcohol abuse have been addressed in the Socio-Economic Specialist Report. In addition, these issues will be further explored during the EIA phase. The Socio-Economic Specialist Report has been included in the FSR.</p> <p>Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>Acknowledged that the social impact on the coloured community has been immense:</p> <ul style="list-style-type: none"> • Drug and alcohol abuse have increased significantly. • There are 40 Polish workers on the Loeriesfontein wind farm site and they are a 'rough bunch'. They pay the school girls. • School children are prostituting themselves. • Drug related crimes, and domestic violence have increased. The construction workers work hard and live hard. • The post-construction phase is worrying, because the workers will be left without jobs and there will be less income spent locally, so it would be beneficial to continue with more projects. • Littering has increased along the roads due to influx of people looking for jobs and a general lack of education on littering. • Casual labour should decrease but it has increased due to the fact that extensive farming is not labour intensive. Unemployment is a problem in Loeriesfontein and neighbouring towns, Calvinia and Brandvlei. 	<p>Alwyn Muller Community Member and Lawyer: Loeriesfontein Stakeholder Consultation: 12-14 October 2016</p>	<p>The issues/concerns raised by the landowner have been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. It should be noted that these issues/concerns will be explored further during the EIA phase. Andrea Gibb, SiVEST</p>
<p>Acknowledged that the economic impact has been immense, but overall more positive for the local community:</p> <ul style="list-style-type: none"> • The town has always been dependent on income from extensive farming and the farms are getting bigger in order to achieve economies of scale. An economic unit of farming is 5000 ha. But this farming is not at all labour intensive and if size of farm doubles, employment does not double, it stays about the same. 	<p>Alwyn Muller Community Member and Lawyer: Loeriesfontein Stakeholder Consultation: 12-14 October 2016</p>	<p>The issues/concerns raised by the landowner have been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. It should be noted that these issues/concerns will be explored further during the EIA phase. Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<ul style="list-style-type: none"> • The salt and gypsum (salt and calcium) industries are the only other source of work in the area. 80% of the world's gypsum reserves lie just outside of Loeriesfontein. However, it only gets mined there, not processed. Gypsum mining is highly mechanised. A mine only employs about 10 workers. If a tax were placed on exporting raw gypsum to other provinces, more of it would be processed locally which would be a source of local jobs. • The salt pans at Dwaggas Pit currently employs around 30 permanent workers. If the government were to tax unprocessed goods leaving the province, more of the economic benefit would be felt locally. There is a salt packaging factory in the neighbouring town, Brandvlei that is employing local women. This should be an example of the job creation potential of local processing. • Furthermore, there is a date packaging business in Loeriesfontein itself. 1000 trees 50km outside of town. Packaging provides seasonal work for 40 women during packing season. Special packaging for export. This is a sustainable business, but need to look into more permanent employment. • About 80% of construction workers are from out of town, of these, about 80% prefer to stay in the town rather than on the construction site, they spend their income in the town, so they rent garages from locals. • In Loeriesfontein, the informal hospitality industry is booming as a result of the construction workers needing 		

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>accommodation in town. Everyone has made their garage and back yards available for rent. Hope to continue the boom via the tourism industry. Worrying though that when all the foreign workers leave there will be an oversupply of accommodation and a drop in income.</p> <ul style="list-style-type: none"> • Garage/fuel sales and grocery store sales have tripled. • There has however also been an increase in liquor licenses which is a real worry. There are about 10 licensed stores in the town. • The Wind Mill Museum in Loeriesfontein is 20 years old and is the only one in the country. It has seen 4000 visitors in the last year. The new wind farms have also put Loeriesfontein on the map. • There are many entrepreneurial activities (i.e. Taxis driving workers to the construction site, cleaning service, etc.) • Informal trading has increased, but this is a good thing for income and job creation. • However, the only tar road out of town, linking Loeriesfontein and Nieuwoudtville is deteriorating rapidly due to increased heavy load traffic. It was tarred for low frequency traffic. • 5% of wind farm revenue should go back to town, but not sure how this will be done practically. • Potential project is Solar Capital photovoltaic solar energy project. 70MW has been approved, but no news on this yet. 		

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>Acknowledged that there has been a massive decline in social development recently. Ms Husselman wants to start a Centre for Drug and Alcohol Abuse, as well as a remedial intervention and awareness centre as there is a dire need for it.</p>	<p>Maria Husselman Owner of the local Crèche which looks after children from a few months to 5 years old (Linked to Early Childhood Resource Unit and Department of Social Development) Stakeholder Consultation: 12-14 October 2016</p>	<p>The I&AP's comment was duly noted. This issue will be further explored by the Socio-Economic Specialist during the EIA phase. Andrea Gibb, SiVEST</p>
<p>Expressed concerns about the construction workers which impregnate the young girls, and then when the construction project is done they leave and the young girls are left with their babies.</p> <p>Teen pregnancies are on the rise. Even mothers with small children are gallivanting, and neglect their own children. There has also been an increase in alcohol syndrome in babies.</p>	<p>Maria Husselman Owner of the local Crèche which looks after children from a few months to 5 years old (Linked to Early Childhood Resource Unit and Department of Social Development) Stakeholder Consultation: 12-14 October 2016</p> <p>Hendrika Skeepers Domestic helper of Maria Husselman Stakeholder Consultation: 12-14 October 2016</p>	<p>The issue of teenage pregnancies has been addressed in the Socio-Economic Specialist Report. In addition, the issue of the construction workers impregnating young girls has also been addressed in the Socio-Economic Specialist Report. The Socio-Economic Specialist Report has been included in the FSR. These issues will however be explored further during the EIA phase. Andrea Gibb, SiVEST</p>
<p>A minority of workers from Loeriesfontein are employed on the construction projects. However, there were years where Loeriesfontein people were without employment and the wind projects have provided opportunities.</p>	<p>Hendrika Skeepers Domestic helper of Maria Husselman Stakeholder Consultation: 12-14 October 2016</p>	<p>The I&AP's comment was duly noted. In addition, the Socio-Economic Specialist Report has addressed the impact of increased local employment levels as a result of the construction activities at the nearby wind farms. According to the Socio-Economic Specialist Report, only 100-150 local residents are currently employed by the nearby wind farms. The impact of</p>

Issue/Comment	Raised By	Response
2 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
		<p>increased employment levels in Loeriesfontein has however been significant. The Socio-Economic Specialist Report has been included in the FSR. It should be noted that this impact will be further explored during the EIA phase.</p> <p>Andrea Gibb, SiVEST</p>
2.3 Communication Related Comments/Issues		
<p>Requested SiVEST to register her as an Interest & Affected Party (I&AP) for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and Xha! Boom), as well as their associated grid connections (eight applications in total)</p>	<p>Stephnie Kot Project Manager: Renewable Energy Project Development Email: 17 November 2016</p>	<p>Stephnie Kot was subsequently registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (i.e. Graskoppies, Hartebeest Leegte, Ithemba and Xha! Boom), as well as their associated grid connections. Stephanie Knot will subsequently receive all project related information.</p> <p>Andrea Gibb, SiVEST</p>
<p>Requested to be registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and Xha! Boom), as well as their associated grid connections.</p>	<p>Siphelele Dunga BioTherm Energy Registration and Comment Form: 09 February 2017</p>	<p>Mr. Dunga was subsequently registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (i.e. Graskoppies, Hartebeest Leegte, Ithemba and Xha! Boom), as well as their associated grid connections. Mr. Dunga will subsequently receive all project related information.</p> <p>Andrea Gibb, SiVEST</p>
<p>Requested that Mr. Eugene Marinus be registered as an I&AP for the proposed development.</p>	<p>Jeannette-Anne Steenkamp Registered I&AP: Municipal Council Registration and Comment Form: 25 March 2017</p>	<p>Mr. Marinus was registered as an I&AP for the proposed development accordingly. Mr. Marinus will subsequently receive all project related information.</p> <p>Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
3.1 Project Related Comments/Issues		
<p>It was confirmed that no land claims appear on the database of the Regional Land Claims Commission: Northern Cape in respect of the property. This includes the database for claims lodged by 31 December 1998; and those lodged between 1 July 2014 and 27 July 2016 in terms of the Restitution of Land Rights Amendment Act, 2014.</p> <p>Whilst the Commission takes reasonable care to ensure the accuracy of information it provides, there are various factors that are beyond the Commission's control, particularly relating to claims that have been lodged but not yet been gazette such as:</p> <ul style="list-style-type: none"> ▪ Some Claimants referred to properties they claim dispossession of rights in land against historical property descriptions which may not match the current property description; and ▪ Some Claimants provided the geographic descriptions of the land they claim without mentioning particular actual property description they claim dispossession of rights in land against. <p>The Commission therefore does not accept any liability whatsoever if through the process of further investigation of claims it is found that there is in fact a land claim in respect of the property in question.</p> <p>If the applicant or EAP are aware of any change in the description of the property in question after 19 June 1913, such description should be supplied to the Commission so as to enable them to do a further search.</p>	<p>Refilwe Sekwati Communication Division – Regional Land Claims Commission: Northern Cape Email: 12 January 2017</p>	<p>The Northern Cape Regional Land Claims Commission's comments were duly noted and will be forwarded to Mainstream. In addition, should the applicant or EAP be aware of any change in the description of the property in question after 19 June 1913, such description will be supplied to the Commission so as to enable them to do a further search.</p> <p>Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>It was stated that Vodacom has no objection to South Africa Mainstream Renewable Power Developments (Pty) Ltd establishing the Graskoppies 140MW wind energy facility at the following locations:</p> <ul style="list-style-type: none"> ▪ Portion 1 of Farm Hartebeest Leegte no. 216, ▪ Portion 2 of the Farm Gras Koppies no. 176, <p>Which are all situated 115km west of Brandvlei in the Northern Cape Province.</p>	<p>Hennie Barnard Property Manager: Vodacom Central Region Email: 16 February 2017</p>	<p>Mr. Barnard's comment was duly noted. Andrea Gibb, SiVEST</p>
<p>Telkom SA granted Mainstream the approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:</p> <ul style="list-style-type: none"> ▪ Take note that the findings made by Telkom are based on simulation and calculated on a theoretical model, using available data and assumptions where no data was provided. Therefore, such findings may change at any time should any further information be made available to or come to Telkom's attention. ▪ At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, Telkom will give the Applicant 30 (thirty) days' written notice to minimise or reduce and/or remove the cause of the interference. Under no circumstances will Telkom be liable to the Applicant or any other third party for any damages, of any nature whatsoever, suffered as a consequence of the aforementioned request. ▪ Construction activities underneath, along, across or within close proximity to Telkom infrastructure must comply to the applicable 	<p>Leonard Shaw Senior Manager – Access Master Plans: Open Serve Email: 20 February 2017</p>	<p>Telkom SA's comments were duly noted. The comments have been forwarded to Mainstream and will be adhered during the pre-construction, construction, operation and decommissioning phases of the project. Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>Telkom guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the Applicant must strictly adhere to and all installations must be fully compliant with the Occupational Health and Safety Act, 1993 (Act 85 of 1993).</p> <ul style="list-style-type: none"> ▪ This approval is further subject to the submitted application's boundaries or structures listed in annexure 1 below, the materials used as well as the size and positioning of structures declared in the application. If any radio system is compromised by a deviation of this submission and the deviation cannot be reversed, the Applicant shall be liable for the cost to re-establish or relocate the service and under no circumstances will Telkom be liable to the Applicant or any other third party for any damages, of any nature whatsoever, suffered as a consequence. ▪ This approval is valid and applicable to and between Telkom and the Applicant. It does not include approval by other electronic communication operators that have a co-sharing agreement for use on Telkom radio masts. ▪ Any additions, amendments, additional structures to be built or change to the energy farm boundaries will require a fresh application to Telkom. ▪ The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to Telkom for evaluation and approval. ▪ This approval does not imply any right of access to Telkom property or use of Telkom's access roads for construction or 		

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>maintenance of the design project. Permission must be obtained from Telkom in this regard. Furthermore Telkom reserves the right to claim damages in terms of Section 108 of the Post Office Act No. 44 of 1958, for any loss sustained as a result of damage to our electronic communications infrastructure.</p> <ul style="list-style-type: none"> ▪ The Applicant shall, in the carrying out of any work or project take all necessary precautions for the safety of Telkom’s employees, contractors, representatives and its property including the radio links on or near the Site against damages as result of construction of the Applicant’s energy project. the Applicant shall be liable for all and any direct and / or indirect, and / or consequential damages or injury that may be caused by the Applicant, its contractors, subcontractors, employees or representatives to any employee, contractor, representative or property of Telkom including radio links or land which may have been disturbed. ▪ Any work in connection with the construction of the Applicant’s energy project shall be carried out by the Applicant, in such a way as to avoid any possible loss or inconvenience to the Telkom, its customers or the public, and on completion of such work, any property of Telkom, including radio links or land which may have been disturbed shall be restored to the same condition which it was in before commencement of the construction of energy project. ▪ In no event will Telkom, its employees, contractors, subcontractors or representatives be liable to the Applicant or anyone else for special, collateral, exemplary, direct, indirect, 		

Issue/Comment	Raised By	Response						
3 AUTHORITY RELATED COMMENTS/ ISSUES								
<p>incidental, consequential or any other damages (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions of business, and claims of the Applicant or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any Telkom radio links approved and/or not approved in terms of this letter or as result of delict, even if Telkom SA has been advised of the possibility of such damages or injury.</p>								
<p>The following should be noted according to Annexure 1 of the comment letter which was sent by Open Serve:</p> <ul style="list-style-type: none"> ▪ Only the points submitted in the application that outlines the outer boundary for the farm were used to see if any radio link crossed over or nearby the energy farm. Telkom has no radio system that will be affected by turbines built in the proposed project area. ▪ The points listed below are recorded in decimal degree on the WGS84 datum. If any dispute arises with respect to the position of these points then the Chief Directorate National Geo-spatial Information trigonometrical system will be used to verify them. The points listed below form an enclosed area if read in sequence, with the first and last points in the list enclosing the approved area. <table border="1" data-bbox="333 1252 815 1398" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Point</th> <th>Longitude (X)</th> <th>Latitude (Y)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">19.298160</td> <td style="text-align: center;">-30.254118</td> </tr> </tbody> </table>	Point	Longitude (X)	Latitude (Y)	1	19.298160	-30.254118	<p>Leonard Shaw Senior Manager – Access Master Plans: Open Serve Email: 20 February 2017</p>	<p>Mr. Shaw’s comments were duly noted and will be forwarded to Mainstream. Andrea Gibb, SiVEST</p>
Point	Longitude (X)	Latitude (Y)						
1	19.298160	-30.254118						

Issue/Comment				Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES					
	2	19.277670	-30.326084		
	3	19.290713	-30.326746		
	4	19.342621	-30.348900		
	5	19.368391	-30.296308		
	6	19.379579	-30.240162		
	7	19.409124	-30.229288		
	8	19.401894	-30.217844		
	9	19.370962	-30.215015		
	10	19.286149	-30.233860		
	1	19.298160	-30.254118		
<p>SAHRA provided the following interim comments on the DSR:</p> <ul style="list-style-type: none"> SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit notes that a Heritage Scoping Report has been submitted, and therefore awaits the pending Heritage Impact Assessment (HIA). It is further noted that the palaeontological recommendations included in the Heritage Scoping Report do not appear in the Palaeontological Desktop Assessment appended to the Heritage Scoping Report. This must be rectified in the HIA. 				<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 27 July 2017</p>	<p>SAHRA's interim comments will be addressed within the HIA during the EIA phase of the proposed development. The relevant case on SAHRIS will be updated with the additional information requested. Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<ul style="list-style-type: none"> ▪ The pending HIA must assess all heritage resources as defined in section 3(2) of the National Heritage Resources Act, Act 25 of 1999 (NHRA) and the report must comply with section 38(3) of the NHRA. ▪ Additionally, the Visual Impact of the proposed development on heritage resources and any comments provided by the public regarding heritage resources must be taken into consideration. ▪ The Scoping report appendices, the draft EIA with all appendices must be submitted along with the heritage reports in order for further comments to be issued. ▪ Additionally, the location of the proposed development must be mapped on the GIS Layer of the case application in order to be compliant. 		
<p>It was stated that the proposed applications fall in the Lower Orange Water Management Area, SiVEST were also informed that Mrs. Adeyileka has given the document to one (1) of her colleagues at DWS (namely Kelebogile Moalosi) so that LO staff can assist SiVEST further.</p>	<p>Esther Adeyileka Department of Water and Sanitation (DWS) Email: 25 July 2017</p>	<p>Mrs. Adeyileka's comments were duly noted. Kelebogile Moalosi will be added to the database and sent all future reports that are released for public review.. Andrea Gibb, SiVEST</p>
3.2 Surrounding Infrastructure Related Comments/Issues		
<p>Mainstream sent SKA South Africa an email request in order to provide an assessment on the potential development of four (4) wind electricity generation facilities in the Northern Cape Province and the risk they may pose on the Square Kilometre Array (SKA) Project. A high level risk assessment was therefore conducted at the South African SKA Project Office to determine the potential impact of such facilities on the SKA. A letter was subsequently sent to Mainstream in order to confirm the outcomes of the risk assessment and proposals</p>	<p>Dr. Adrian Tiplady Head: Strategy & Business Systems SKA South Africa Email: 18 November 2016</p>	<p>In order to determine whether the proposed wind farm development could have any influence on the SKA, Mainstream requested a risk evaluation of the planned development to SKA activities. As such, Mainstream appointed Interference Testing and Consultancy Services (ITC) to undertake a path loss and risk assessment in order to ensure that the proposed wind farms pose a low risk of detrimental impact on the SKA by using known radiated emission amplitudes of the Acciona AW3000/125</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>for any future investigations associated with this facility. These are as follows:</p> <ul style="list-style-type: none"> • The location of the wind facilities was provided in the form of a Google Earth shapefiles. • The nearest SKA stations has been identified as Rem-Opt-7, it is located approximately 50 km from the proposed location of wind facilities; • Based on distance to the nearest SKA station, and the information currently available on the detailed design of the wind farms, a single facility electricity generation facility would pose a low to medium risk of detrimental impact on the SKA. However, multiple facilities, as is the case for this application, as well as taking into account the number of facilities already located, or to be constructed, in the area would result in an increase in the risk (to at least a medium to high risk) of detrimental impact on the SKA as a result of the integrated impact; • Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant AGA regulations concerning the restriction of use of the radio frequency spectrum that applies in the area concerned; • As a result of the medium to high risk associated with the wind facilities, the SKA project office recommends that further EMI and RFI detailed studies be conducted as significant mitigation measures may be required to lower the risk of 		<p>TH100 50Hz wind turbine. The path loss and risk assessment found that due to natural terrain barriers and the 53.2km distance between Graskoppies and Rem-opt 7, the closest SKA unit, no degradation of performance is expected when the mitigated AW 125 TH100A Acciona turbines are installed. This shown by the 20dB higher path loss for Graskoppies compared to Garob.</p> <p>To verify overall windfarm emissions, ambient measurements should be done at the new site before construction starts. Final site tests will be done on completion of the project to confirm the radiated emission levels. Although not anticipated, proper mitigation measures on identified emitters will be studied and implemented if final test shows emissions exceeding the SKA threshold.</p> <p>The SKA was provided with an opportunity to comment on the Draft Scoping Report (DSR), and any comments received were included in the FSR. Any additional comments received after the submission of the FSR will be included in the Draft or Final Environmental Impact Assessment Report (DEIAr / FEIAr). Andrea Gibb, SIVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>detrimental impact to an acceptable level. The South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to further risk assessments at a later stage.</p> <p>It was further mentioned that the above technical advice was provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.</p>		
<p>Requested the turbine coordinates for the wind farm site so that Vodacom can check whether there are any risks to their communication systems in the area. They do not believe that there should be any issues, but will need to check.</p>	<p>Ono Naude Vodacom Email: 10 February 2017</p>	<p>The turbine locations that will be assessed in the EIA phase of the project were emailed to Mr. / Mrs. Naude of Vodacom on the 13th of February 2017. Further comments were received from Vodacom on 15 and 16 February 2017. Andrea Gibb, SIVEST</p>
<p>Following the email which SiVEST sent to Mr. / Mrs. Naude of Vodacom on the 13th of February 2017 regarding the turbine locations that will be assessed in the EIA phase of the project, Mr. / Mrs. Naude subsequently replied via email on the 15th of February 2017 and stated that the proposed turbines are not close to any of Vodacom's sites and thus Vodacom should not have any issues.</p>	<p>Ono Naude Vodacom Email: 15 February 2017</p>	<p>The stakeholder's comment was duly noted. Andrea Gibb, SiVEST</p>
<p>Eskom requirements for works at or near Eskom infrastructure for consideration during the EIA process, as well as Renewable Energy Generation Plant Setbacks to Eskom Infrastructure, were sent to SIVEST.</p>	<p>John Geeringh Eskom GC: Land Development Email: 02 May 2017</p>	<p>These documents will be forwarded to Mainstream and will be strictly adhered to during the pre-construction, construction, operation and decommissioning phases of the project. In addition, these documents will be attached to the Draft and Final EMPr which will be included in the DEIAr and FEIAr.</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<ul style="list-style-type: none"> ▪ Sentech analysed the information provided by Mainstream in accordance the provisions of Section 29(1) (c) of the Electronic Communications Act no. 36 of 2005, and specifically the location of the site; ▪ It was confirmed that there would be limited degradation of Sentech transmitted Terrestrial UHF/CHF Television (TV), and/or FM radio services in the planned development area; ▪ Sentech therefore grant Mainstream approval to proceed with the construction of its energy project at the site subject to the following terms and conditions; <ul style="list-style-type: none"> ○ Due to the fact that the findings made by Sentech are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to Sentech’s attention; ○ At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, Sentech will give the applicant 7 (seven) days’ written notice to remove the cause of the interference; ○ Under no circumstances whatsoever will Sentech be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence of the 	<p>Serame Motlhake Manager - Broadcast Planning: Sentech Email: 08 March 2017</p>	<p>Andrea Gibb, SiVEST</p> <p>Sentech’s comments were duly noted. The comments have been forwarded to Mainstream, who will adhere to all terms and conditions provided by Sentech during the pre-construction, construction, operation and decommissioning phases of the project.</p> <p>Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>aforementioned request and the applicant fully indemnify Sentech;</p> <ul style="list-style-type: none"> ○ Sentech prior written consent must first be obtained before any construction activities underneath, along, across or within close proximity to Sentech infrastructure can begin and shall comply with the applicable Sentech guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the applicant shall clearly adhere to, and ensure all installations shall be fully compliant with the Occupational Health and Safety Act No. 85 of 1993; ○ This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 of the comment letter, the materials use, as well as the size and positioning of structures declared in the application. If the services of Sentech or its clients is in any way compromised by a deviation or change of this submission, the applicant shall be liable for all costs to re-establish, or relocate the services, and under no circumstances whatsoever will Sentech be liable to the applicant or any other third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence; ○ This approval is valid and applicable between Sentech and the applicant only. It does not include any approval for any of the other electronic communication operators 		

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>which have current co-sharing agreements to utilise Sentech’s radio masts;</p> <ul style="list-style-type: none"> ○ Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to Sentech; ○ The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to Sentech for further evaluation and approval; ○ This approval does not imply any rights of access whatsoever to Sentech property or use of Sentech’s access roads for construction or maintenance of the design project. Separate permission must be obtained from Sentech in this regard. Furthermore, Sentech reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of Sentech’s electronic broadcast and communications infrastructure; ○ The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of Sentech’s employees, contractors, representatives and its property including the radio transmitters and links on or near the site against damages as a result of construction of the applicant’s energy project; ○ The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may 		

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of Sentech including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project;</p> <ul style="list-style-type: none"> ○ In no event will Sentech, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any Sentech radio network approved and/or not approved in terms of this letter, even if Sentech has been advised of the possibility of such damages or injury. 		
<p>The following should be noted according to Annexure 1 of the comment letter which was sent by Sentech:</p> <ul style="list-style-type: none"> ▪ The planned Leeuwig Suite Wind Turbine Generators (WTG's) are close (between 108km and 117km) to the Garies and Calvinia transmitter respectively. These WTG;s will consist of a total amount of 188 WTG's; 	<p>Serame Motlhake Manager - Broadcast Planning: Sentech Email: 08 March 2017</p>	<p>Sentech's comments were duly noted. The comments have been forwarded to Mainstream. Andrea Gibb, SiVEST</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<ul style="list-style-type: none"> ▪ WTG interference calculations and predictions which included 188 planned WTG's were completed successfully. The interference calculations and predictions indicated that the WTG'S will have the potential to cause limited interferences on the existing VHF TV broadcast services; ▪ The only analogue service that might be affected which is SABC 2 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area. Digital UHF TV service that might be affected is Mux1 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area; ▪ Conclusion on the results and findings of the planned 188 total amount of WTG's in Leeuwebeg Suite can be summarised as follows: <ul style="list-style-type: none"> ○ Potential interferences on analogue and Digital VHF/UHF TV coverage will not affect the quality of viewer services in the surrounding areas; ○ Potential interference on digital UHF TV coverage will not affect the quality of viewer services in the services I the surrounding areas; ○ None of the existing analogue or DTT RBR broadcast feeds in the above mentioned areas will be affected; ○ No interference on FM services will be experienced; and ○ None of the existing FM RBR feeds broadcast feds in the area will be affected. 		

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>SiVEST were informed that the proposed wind farm falls below the Johannesburg Area West Controlled Airspace and is not situated close to any airfield. In addition, the proposed development will not impact the safety of flights negatively in and around the area.</p>	<p>Simphiwe Masilela Obstacle Evaluator – Aeronautical Information: Air Traffic Navigation Services (ATNS) Email: 27 July 2017</p>	<p>Mr. Masilela’s comments were duly noted. Andrea Gibb, SiVEST</p>
3.3 Communication Related Comments/Issues		
<p>Thanked SiVEST for notifying SAHRA of the proposed development. SiVEST were reminded that SAHRA does not accept hardcopy, posted, emailed or website links as official submissions. In addition, SiVEST were asked to create an application on the South African Heritage Information System (SAHRIS) and follow the step by step instructions on the SAHRIS homepage. SiVEST were also asked to upload all documents to the case and once this is completed, change the status of the case to SUBMITTED. SiVEST were asked to inform Natasha Higgitt when this is done and reference the Case ID number in the email.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 10 February 2017</p>	<p>The comments / recommendations / requests from SAHRA were duly noted. These comments / recommendations / requests will be adhered to accordingly. SiVEST have created four separate cases on SAHRIS and have upload the DSRs and Heritage Assessments accordingly. The FSRs and all future report submissions will also be uploaded to the relevant cases. Andrea Gibb, SiVEST</p>
<p>SiVEST were informed that request for comments should be sent to the DEA via registered mail and addressed to Directorate: Biodiversity Conservation and not to Mr. Lekota directly since this might cause a delay in responding to comments. It was further advised that request for Biodiversity comments sent via email would not be considered until an official registered mail with a hard copy or CD is received by the Directorate.</p>	<p>Seoka Lekota Directorate: Biodiversity Conservation – Department of Environmental Affairs (DEA) Email: 10 July 2017</p>	<p>Mr. Lekota’s comments were duly noted. All future requests for comments and reports (on CD) will be sent to the DEA via registered mail and addressed to Directorate: Biodiversity Conservation as requested. Andrea Gibb, SiVEST</p>
<p>SiVEST were informed that Mr. Roberts will no longer be available to assist with queries from the 31st of August 2017 as his contract reaches maturity on the 31st of August 2017. In order to ensure</p>	<p>Harry Roberts South African Civil Aviation Authority (SACAA)</p>	<p>Mr. Roberts’ comments were duly noted. SiVEST will address all correspondence intended for Mr. Harry Roberts to</p>

Issue/Comment	Raised By	Response
3 AUTHORITY RELATED COMMENTS/ ISSUES		
<p>continuity of service, SiVEST were informed to address all correspondence intended for Mr. Harry Roberts to Obstacles@caa.co.za, from where it will be accessed and acted upon accordingly. Urgent enquiries should be directed to Mr. Werner Kleynhans (011 545 1468).</p>	<p>Email: 25 July 2017</p>	<p>Obstacles@caa.co.za. Urgent enquiries will be directed to Mr. Werner Kleynhans accordingly. Andrea Gibb, SiVEST</p>

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

COMMENTS AND RESPONSES REPORT – FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT

PROPOSED CONSTRUCTION OF THE GRASKOPPIES WIND FARM NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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

August 2017 – January 2018

The C&RR for the Scoping Phase (October 2016 – July 2017) has also been included separately in Appendix 7E of the FEIAR

Stakeholders who contributed issues ranging across all sectors of society are recorded in this Comments and Responses Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in **Appendix 7E** of the Final Environmental Impact Assessment Report (FEIAR). Similar issues raised have been grouped together. The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR.

INDEX TO ISSUES IN THIS TABLE

1	STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES.....	3
1.1	Project Related Comments/Issues	3
1.2	Communication Related Comments/Issues	17

ABBREVIATIONS

BA	Basic Assessment
DEIAR	Draft Environmental Impact Assessment Report
DSR	Draft Scoping Report
EIA	Environmental Impact Assessment
EMI	Electromagnetic Interference
FEIAR	Final Environmental Impact Assessment Report
FGM	Focus Group Meeting
FSR	Final Scoping Report
I&AP	Interested and/or Affected Party
ITC	Interference Testing and Consultancy Services
LO	Landowner
MW	Megawatt
DRPW	Department of Roads and Public Works
RFI	Radio Frequency Interference
SAHRA	South African Heritage Resources Agency
SAHRIS	South African Heritage Information System
SANRAL	South African National Roads Agency SOC Limited
SKA	Square Kilometre Array
VIA	Visual Impact Assessment
WEF	Wind Energy Facility
WTG	Wind Turbine Generators
WUL	Water Use License

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
1.1 Project Related Comments/Issues		
<p>It was stated that the EAP can contact DWS once they are ready to proceed with the application for the Water Use License (WUL) or General Authorisation (GA). In addition, it was stated that a meeting and site inspection will be required to start.</p>	<p style="text-align: center;">Khutjo Sekwaila Department of Water and Sanitation (DWS) Northern Cape Region Email: 08 August 2017</p>	<p>The comments from DWS were noted. The applicant will ensure that DWS is contacted by the appointed consultant once the WUL application is ready to proceed. A site meeting and site inspection will be arranged with DWS once Mainstream are ready to proceed with the application for the WUL. All correspondence undertaken with DWS is included in Appendix 7D of the FEIAR. Stephan Jacobs, SiVEST</p>
<p>A letter was provided in response to your email request to provide an assessment on the potential development of four wind energy facilities and the risk they may pose on the Square Kilometre Array Project.</p> <p>It was stated that a high level risk assessment has been conducted at the South African SKA Project Office to determine the potential impact of such facilities on the Square Kilometre Array (SKA). This letter serves to confirm the outcomes of the risk assessment, and proposals for any future investigations associated with these facility.</p> <p>i. The location of the proposed facilities has provided in Google Earth Shapefiles. The nearest SKA station is Rem-Opt-7 located at a distance of approximately 45km from proposed wind farms location;</p> <p>ii. Based on distances to the nearest SKA stations, and the information currently available on the detailed design of wind installations, these facility poses a medium to high risk of detrimental impact on the SKA;</p> <p>iii. Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant AGA regulations concerning the restriction of use of the radio frequency</p>	<p style="text-align: center;">Dr. Adrian Tiplady General Manager: Strategy & Business Process SKA South Africa Email: 23 August 2017</p>	<p>The comments / recommendations / requests from SKA were duly noted and requests will be adhered to accordingly by the applicant. It should be noted that initial detailed EMI and RFI specialist studies have been undertaken and are included in Appendix 9C of the FEIAR. The EMI and RFI studies were based on the currently available worst case scenario turbines. Due to technology improvements a different turbine may be used for the proposed development. Therefore more accurate EMI and RFI studies will be undertaken when a final turbine has been selected and the layout finalised. Prior to construction a new path loss and risk assessment will also be undertaken based on a final layout, using a worst case scenario turbine and approved by the SKA before any turbines are installed on the proposed site. A letter from ICT confirming this has been included in Appendix 9C of the FEIAR. It should be noted that these studies can only be undertaken once Mainstream have selected a final turbine and have undertaken the final modelling. As such, final modelling and EMI and RFI studies will only be undertaken after the FEIAR has been submitted, once the final turbine has been chosen. It should be noted that Mainstream have consulted with SKA-SA with regards to this issue and they have indicated that they are in favour of the above-mentioned approach and that they will submit final comments and indicate whether they</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>spectrum that applies in the area concerned. The establishment of such transmitter infrastructure will result in a high risk to the SKA;</p> <p>iv. As a result of the medium to high risk associated with these facilities. The SKA project office recommends that further EMI and RFI detailed studies be conducted as significant mitigation measures would be required to lower the risk of detrimental impact to an acceptable level.</p> <p>v. The South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to further risk assessments at a later stage.</p> <p>It was noted that this technical advice was provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.</p>		<p>approve the EMC control plan once the new EMI and RFI studies have been undertaken based on the final layout and turbine specifications. Mainstream have subsequently received written confirmation from SKA-SA stating this. SKA-SA have also provided special conditions which need to be include in the EA, should the proposed project be granted EA by the DEA. Should these special conditions not be included in the EA, SKA-SA would object to the issuing of an EA for the proposed development. All correspondence from SKA-SA regarding the issue of the SKA studies is included in Appendix 9C in the FEIAr. In light of the above, it is recommended that the DEA include the provided special conditions in the EA, should an EA be issued for the proposed development. Mainstream will continue to engage with SKA-SA accordingly throughout this process as has been done to date.</p> <p>All correspondence undertaken with SKA SA is included in Appendix 7D. Stephan Jacobs, SiVEST</p>
<p>The project team was informed that the water source in the area is very low and under extreme strain.</p>	<p>Albie Louw Landowner: Hartebeest Leegte Landowner FGM: 01 November 2017</p>	<p>Water source is one of the main concerns that is being assessed and needs to be addressed. Currently a combination of boreholes and “trucking-in” water is being considered. A full water study will be undertaken. It was also mentioned that from an engineering point of view this problem could be solved from a designing point of view. Rebecca Thomas, Mainstream Renewable</p>
<p>The project team was informed that there is a five (5) year lease agreement on the property.</p>		<p>At this stage of the project, and if the LO agrees, the lease agreement can be extended. Rebecca Thomas, Mainstream Renewable</p>
<p>It was enquired where the construction workers will be housed, as it seems that Klipirand is closer than Loeriesfontein.</p>		<p>At this stage, only Loeriesfontein is being considered as the infrastructure in Klipirand is not feasible. Rebecca Thomas, Mainstream Renewable</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
It was enquired whether a Mainstream Employee will be permanently based in Loeriesfontein.		Mainstream’s current employee, Mr Devon Steenkamp, will also be responsible for the Leeuwberg Projects. It is not envisaged that a person will be based on site as maintenance issues will be attended to as and when required. Rebecca Thomas, Mainstream Renewable
It was enquired how the power connection is being proposed from the development on his property to the Helios SS.		A detailed routing has not yet been determined, but the corridor as presented in, in consultation with the LOs will be submitted to the DEA for decision-making. Rebecca Thomas, Mainstream Renewable The power lines are being assessed as part of a separate Basic Assessment process.
It was enquired whether Mainstream will amend the contract between themselves and the LO should there be any changes regarding MW electricity output.		It was confirmed that should there be any changes, whether technical or power outputs, this will be discussed with the LO and amended contracts will be drawn up and signed by both parties. Rebecca Thomas, Mainstream Renewable
It was recommended that should there be a need for any changes on the property i.e. new access road, etc., that this be discussed with the LO.		It was confirmed that should there be any changes on properties, that these will be done in liaison with the registered LO. Rebecca Thomas, Mainstream Renewable
It was enquired as to what type of turbines are being proposed for this development i.e. the same as in Porterville.		Technology has changed since the first wind farm developments and are being changed as new and improved technology is being developed to ensure maximum output. Rebecca Thomas, Mainstream Renewable
In terms of the ratio between the blade length, distance between ground and blade tip and wind speed whether there could be any damage to the blade in strong wind.		Current technical studies indicated that the best results for electricity generation would be a blade length of 160m. To prevent damages to the blades, the hub will be automatically turned off (slow stay position) to prevent possible damage to the blades. Rebecca Thomas, Mainstream Renewable

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
It was enquired whether the Helios SS has sufficient capacity to carry all the proposed renewable energy projects in the area.		Helios MTS capacity would be reached should the Leeuwberg Projects be approved. Rebecca Thomas, Mainstream Renewable
It was enquired whether the area where the wind turbines will be erected would be fenced off or the whole farm.	Burden, Hein Landowner: Georgs Vley Landowner FGM: 01 November 2017	The area where the wind turbines will be erected will not be fenced off. However, should there be a need to replace / repair the farm fence (especially to protect the infrastructure), Mainstream will discuss the matter with the LO to determine the type and standard of the fence and any financial matters related to this activity. The above is also relevant to any access roads that might be required on the property. Rebecca Thomas, Mainstream Renewable
It was asked who will be responsible for maintaining the farm fence of the farm as well as that of the substations being proposed on the property.		This will be the responsibility of Mainstream, in consultation with the LO. Rebecca Thomas, Mainstream Renewable
<p>A letter from SAHRA was provided in response to proposed development of four wind energy facilities.</p> <p>The SAHRA Archaeological, Palaeontological and Meteorites (APM) Unit has no objection to the development and supports the recommendations of the specialists as referred to above. The recommendations of the specialists and the following conditions apply to the development and must be included in the Environmental Management Programme (EMPr):</p> <ul style="list-style-type: none"> ▪ A 30 m no-go buffer zone must be adhered to around the identified historical farmstead. The site must be demarcated during all phases of development and a management and monitoring procedure for the site must be developed to be included in the EMPr; ▪ The Final EIA and appendices must be submitted to the SAHRIS application when submitted to the Competent Authority; 	Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 20 November 2017	<p>Comment well received and noted and will be added to the EMPr Hlengiwe Ntuli, SiVEST</p> <p>All recommendations have been added to the EMPr. The Final EIA report and all appendices will also be uploaded to SAHRIS when they are submitted to the Competent Authority. In addition, SAHRA will be notified and the relevant documents will be added to the case file on SAHRIS once the DEA issue a decision on the application.</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<ul style="list-style-type: none"> ▪ A walk-down of the final layout must be conducted by a qualified archaeologist prior to construction. A report detailing the results of the walk-down must be submitted to SAHRA for comment prior to construction. No construction may commence without comments from SAHRA; ▪ 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. 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. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA. ▪ Should the project be granted Environmental Authorisation, SAHRA must be notified and all relevant documents submitted to the case file. 		
<p>A letter from BirdLife was provided in response to proposed development of four wind energy facilities.</p> <p>Thank you for the opportunity to comment on the above reports. BirdLife South Africa supports the responsible development of renewable energy, however there are many unanswered questions relating to the potential significance of the impacts of the above wind farms on birds and their habitats.</p>	<p>Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017</p>	<p>The area around the Helios Main Transmission Station has become a hub for renewable energy development, due to the notable wind and solar resources of the area, and available grid capacity. Numerous developers have proposed wind or solar energy facilities in the area, and a number of EIAs (with associated extensive bird monitoring) have been undertaken in recent years. The area around the Leeuwberg wind farms has been well surveyed as a result of these EIAs and it is therefore not surprising that the SABAP2 reporting rates for Red Larks</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>Although a number of other species may be affected (e.g. Burchell's Courser, Ludwig's Bustard Karoo Korhaan and Sclater's Lark), much of our uncertainty relates to the risk of negative effects on Red Lark (listed as Vulnerable in the Red Data Book of Birds of South Africa Lesotho and Swaziland). Our concern is based on the limited range of this threatened species and risk of cumulative impacts. Based on our rough calculations, the combined footprint of renewable energy developments around the Helios Main Transmission Station alone could affect approximately 6% of the Red Lark distribution. The Renewable Energy Development Zone could result in further impacts within the species' range.</p> <p>A better understanding of the significance of the habitat for Red Lark would be valuable. South African Bird Atlas Project 2 (SABAP2) reporting rates in the area for Red Lark are high. These high reporting rates might simply be as result of the number of intensive bird surveys in the area associated with renewable energy developments, with the surrounding areas are not as well surveyed. SABAP 1 data, which is older and at a much coarser scale than SABAP 1, does suggest a wider distribution for the species.</p>		<p>(and other bird species) are higher in these areas, compared to other areas which have not been as intensively surveyed. It is noted that high reporting rates are not necessarily indicative of a large population size or high density, and may simply reflect the survey effort. The actual sightings recorded on site over the course of the twelve-month monitoring campaign (undertaken in accordance with BirdLife SA's guidelines) indicate a low abundance of Red Larks in absolute terms, as well in relative terms when compared to what has been recorded at more optimal habitats, approximately 130km north-west of Leeuwberg. The specialist's findings indicate that the habitat on site is not optimal habitat for Red Larks. It should also be noted that the estimated global population of 9,400 individuals, which was done by Dean <i>et al</i> (1991) twenty-six years ago, may be too conservative for the following reasons:</p> <ul style="list-style-type: none"> ▪ The average densities of 0.36 larks/ha recorded during 12 months pre-construction monitoring at Kangnas WEF, in what seems to be optimal habitat, are more than twice as high as the upper figure of 1 lark/5.7ha (or 0.17 larks/ha) that Dean <i>et al.</i> (1991) gives for optimal habitat. ▪ The bird impact assessment study conducted by the Endangered Wildlife Trust for the Proposed 75 MW AES Photovoltaic Installation Near Aggeneys, Northern Cape Province (Pretorius 2014) estimated a density of 0.22 larks/ha at the farm Dabenoris, which is situated 25 km north of the town Aggeneys in the Northern Cape Province. This is 23% higher than the optimal figure given by Dean <i>et al.</i> (1991) ▪ It is therefore likely that the average figure of 1 pair of larks per 30ha (or 0.07 birds /ha) which Dean <i>et al</i> (1991) proposed for the whole range is too low.

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
		<ul style="list-style-type: none"> ▪ Dean makes the following statement in the Red Lark SABAP 1 species account (Harrison et al 1997) “... atlas records, particularly in the eastern parts of its range, suggest it may be more common and widespread than previously thought” ▪ The fact that the species is regularly recorded, albeit in much lower densities, in Bushmanland Basin Shrubland during pre-construction monitoring indicates that the species is in all likelihood more wide-spread outside of what is considered optimal dune habitat, than was previously thought. This implies that the statement by Dean et al 1991 that only app. 5% of the habitat within its range is suitable for the species, on which his population estimate is based, is likely to be too conservative <p>The actual abundance recorded on site has been used as the informant for the impact assessment.</p> <p>Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting</p>
<p>The avifaunal study for the project reports bird density using a measure of relative abundance, i.e. Index of Kilometric Abundance, and it difficult to compare these results with other published data (e.g. Dean et al. 1991). While the use of Index of Kilometric Abundance is accepted by BirdLife South Africa’s Best Practice Guidelines (Jenkins et al. 2015), the Guidelines do suggest that this sampling approach should be complemented by calculations of absolute abundance. The latter is more likely to detect subtle changes in abundance, which could be useful to assess the relative sensitivity of different parts of the proposed development footprint (e.g. to guide the layout), and for comparing the impacts of the facility before and after development. Across the site(s) species’ distribution and abundance was only assessed using “visual inspection” and we suggest that a more quantitative approach would have been useful.</p>	<p>Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017</p>	<p>The study included a total of 11 walk transects across all four Leeuwberg sites which were each counted 32 times (8 times per season) over the course of the 12-months monitoring. While the results indicate difference in abundance between transects, with IKA’s ranging from 0 – 0.73 larks/km, the fact that all the transects recorded less than one bird per kilometre is an indication that the actual densities of the species at the sites are indeed low, irrespective of possible subtle differences in habitat.</p> <p>It should also be noted that due to the small footprint of the wind farms, the actual loss of habitat is not considered to be significant – particularly in the context of the overwhelmingly untransformed habitat in the greater landscape i.e. 34,690km² of the Bushmanland Basin Shrubland; and 45,478km² of Bushmanland</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
		<p>Arid Grassland. Based on the small transformation footprint, and the observed behaviour of other similar passerines at other wind farms, the displacement of Red Larks from the site due to habitat loss is considered unlikely. This is described and expanded on in the avifaunal specialist report.</p> <p>Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting</p>
<p>While the abundance of Red Larks on site may be lower on site than in some other areas assessed for renewable energy development, it is possible this is in part as result of averaging the abundance over a large area where the actual abundance is patchy.</p> <p>Abundance not also the only factor worth considering when assessing the conservation value of an area. While the core of the species distribution, the Koa Valley, undoubtedly warrants protection, the proposed development area and surrounds do appear to support a viable population of Red Lark, and forms the south-western boundary of the species range.</p>	<p>Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017</p>	<p>The area around the Leeuwberg wind farms has been well surveyed as a result of these EIAs and it is therefore not surprising that the SABAP2 reporting rates for Red Larks (and other bird species) are higher in these areas, compared to other areas which have not been as intensively surveyed. It is noted that high reporting rates are not necessarily indicative of a large population size or high density, and may simply reflect the survey effort. The actual sightings recorded on site over the course of the twelve-month monitoring campaign (undertaken in accordance with BirdLife SA's guidelines) indicate a low abundance of Red Larks in absolute terms, as well in relative terms when compared to what has been recorded at more optimal habitats, approximately 130km north-west of Leeuwberg.</p> <p>The best Practice Guidelines states as follows: <i>“(relative abundance) does not provide a measure of the actual numbers/densities of birds present; rather it provides a relative measure of abundance to compare bird abundances across different sites or time periods”</i>.</p> <p>The Index of Kilometric Abundance is therefore considered an adequate and appropriate (if not ideal) measure to detect changes in relative abundance in similar habitat across different</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>There is also uncertainty regarding the susceptibility of Red Larks to the impacts associated with wind energy. Only once wind farms have been built and monitored will we be able to make confident predictions around displacement and disturbance effects, and the risk of fatalities (from turbine strikes and traffic collisions). It may be possible to minimise the risk of collisions with turbine blades by increasing the distance between the blade-tip and the ground (as has been proposed), possibly combined with curtailment during high-risk periods. However, the details of these approaches to mitigation require further interrogation; the mitigation measures proposed in the EIA are vague and open-ended. We also suggest that the applicant should clarify if the proposed measures, under the worst-case scenario, are considered to be feasible and that the financial and operational implications have been adequately assessed and planned for.</p> <p>In light of the above uncertainties, combined with the number of wind farms already approved within Red Lark habitat, BirdLife South Africa would be more comfortable with a precautionary approach - i.e. only consider further development of wind farms within Red Lark habitat once there is more information both with regards to which areas are of most conservation and the risk that wind energy presents to the species. Some of this work is already underway (for example monitoring at Loeriesfontein Wind Farm and BirdLife South Africa is developing an ecological niche model for the Red Lark).</p> <p>Should these wind farms be approved despite BirdLife South Africa's concerns, we strongly recommend that the distance between the</p>	<p>Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017</p>	<p>sites or time periods, in order to assess the potential impact of a wind farm. Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting</p> <p>As explained in the specialist report, a clearance of 50m is considered sufficiently precautionary to reduce collision risk to an acceptable level. It is acknowledged that some collision mortalities may occur – however given the low densities on site the potential mortalities are not expected to be significant in absolute terms.</p> <p>We agree absolutely that mortality thresholds need to be established before the wind farm becomes operational. However, this should be done only once the research work that is currently being conducted on Red Larks, under the auspices of the University of Cape Town, provides more insight into the population dynamics of the species. This information is crucial for the determination of mortality thresholds. The determination of mortality thresholds is a complex exercise which falls beyond the scope of a typical EIA specialist study. Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>blade-tip and the ground be maximized. This will benefit Red Lark, as well as many other low flying birds. We also suggest that fatality rate thresholds for Red Lark and other threatened species should be defined and agreed to within this EIA; should these thresholds be exceeded the wind farm(s) must be required to curtail turbines during high-risk periods (e.g. breeding displays and after good rains). Operational phase monitoring should include rigorous assessment of how Red Lark's are affected by turbines, including possible displacement and disturbance effects. Lastly, we suggest that in order to compensate for any impacts that may occur and with the goal of having a net positive impact on biodiversity, wind farms in the area should collaborate to enhance and protect conservation of priority species the surrounding area.</p>		
<p>Lastly, we note that the transmission-line will be assessed in a separate application. We urge that the impacts on species such as Ludwig's Bustard are not overlooked, as these impacts will be difficult to mitigate. The extent of new lines should therefore be minimised.</p>	<p>Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017</p>	<p>The overhead high voltage transmission lines connecting the Leeuwberg wind farms to the existing Eskom Helios Substation has been assessed in a separate basic assessment process. This report has been made available to Birdlife SA for comment during the 30-day public comment period. The risk to Ludwig's Bustard has been specifically considered by the avifaunal specialist during this process. Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting</p>
<p>The proposed four Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province, are considerably far from Sutherland and outside of the declared Sutherland Central Astronomy Advantage Area. We don't think that the facilities will have any measurable impact on optical astronomy at the Southern African Large Telescope (SALT) at the South African Astronomical Observatory (SAAO) observing station near Sutherland. Our main concern as optical astronomy research facility are related to impacts from light and dust that may be generated during</p>	<p>Dr Ramotholo Sefako Head of Telescope Operations (TOPS) SAAO Email: 04 December 2017</p>	<p>Comment well received and noted and will be added to the EMPr Hlengiwe Ntuli, SiVEST</p> <p>Measures to mitigate the impacts of light and dust have been included in the EMPr and will be adhered to and monitored during the project phases.</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>development and operation of wind farms. Light and dust pollution negatively affect the quality of optical observations.</p>		
<p>A letter from Northern Cape Department of Roads and Public Works (DRPW) was provided in response to proposed development of four wind energy facilities.</p> <p>The DRPW does not have objections against the application, subject to the following conditions that must be complied with at all times in case any work undertaken with the statutory road reserve or within a distance of 95 meters from the centerline of any building restriction road (advertising on Roads and Ribbon development Act, no.21 of 1940) and within the statutory road reserve of within 5 meters from the statutory boundary of any public road (Roads Ordinance, 19 of 1976).</p> <ol style="list-style-type: none"> 1. The applicant must submit a detailed layout design for the approval prior to any works (the proposed 132kV grid line). The designs must include but not limited to; the offset distance referencing from the centerline of the road, height clearance and etc... 2. The roads that will be affected by your proposal are DR2972, DR2977 and OG240. 3. The applicant must investigate all the existing services (sewer lines, pipelines, underground cables and overhead cables) passing through or alongside that specific (proposed works) area. 4. Poles or towers carrying power lines in excess of 22kV must be erected outside the statutory road width and not closer than 50 meters to the centerline of the road concerned. 5. In cases where an overhead power line crossed a public road: <ol style="list-style-type: none"> a) The poles and/or towers must comply with the distances and road clearances as per Eskom Standards and; 	<p>Jaco Roelofse Director: Roads Planning and Design NC DRPW Email: 06 December 2017</p>	<p>The conditions provided by DRPW have been sent to the applicant for consideration and will be adhered to prior to construction.</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>b) Provision must be made for a vertical clearance as prescribed by the Factories, Machinery and Building Act, 1941 but in any case not less than 8 meters measured from the highest point of the road to the lowest wire or safety net.</p> <p>6. All excavations with the statutory road width will be reinstated by the applicant to the satisfaction of the District Roads Engineer concerned.</p> <p>7. 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.</p> <p>8. This response letter does not exempt the applicant from complying with any other law that may be applicable to the proposed work and related activities.</p>		
<p>A letter from SAWS was provided in response to proposed development of four wind energy facilities.</p> <p>Tests conducted by South African Weather Service indicate that the proposed development will not interfere with the weather radar.</p> <p>The South African Weather Service does not have any objection to the development of the Graskoppies Wind Farm.</p>	<p>Thabani Mhlongo Senior Manager: Technical Services SAWS Email: 06 December 2017</p>	<p>Comment well received and noted and will be added to the FEIAr Hlengiwe Ntuli, SiVEST</p>
<p>The South African National Roads Agency SOC Limited (SANRAL) has received background information and a site layout plan for this project and based on the proximity of the respective wind farms in relation to the R27 National Road, it appears that SANRAL will not be impacted by this proposed development. Do not hesitate to contact the sender should you have any further queries.</p>	<p>Nicole Abrahams Environmental Coordinator SANRAL Email: 07 December 2017</p>	<p>Comment well received and noted and will be added to the FEIAr. Hlengiwe Ntuli, SiVEST</p>
<p>The South African National Roads Agency SOC Limited (SANRAL) requested to add to their comments that a transport plan will be required and that means that route clearance application will have to</p>	<p>Nicole Abrahams Environmental Coordinator SANRAL Email: 08 December 2017</p>	<p>The conditions provided by SANRAL have been sent to the applicant for consideration and will be adhered to prior to construction.</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>be obtained via SANRAL and when it gets to that stage of the project Mr. Garth Julius can be contacted.</p>		
<p>Please could you advise if the EIA process remains ongoing, or if Environmental Authorisation has been received for the following Project: Graskoppies wind farm near Loeriesfontein in the Northern Cape. Your assistance in this regard will be greatly appreciated</p>	<p>Melanie Miles Regional Content Researcher Private Projects Leads to Business Email: 09 December 2017</p>	<p>Leads to Business are listed on the database and will be notified on all project related processes. Hlengiwe Ntuli, SiVEST</p>
<p>It was enquired as to who the “role players” are for the proposed development. The Municipal Manager wants to arrange a meeting with the relevant parties as early as possible in January 2018. A name, address and contact details for a relevant person from Mainstream were requested.</p>	<p>Riana Lock Hantam Local Municipality Email: 12 December 2017</p>	<p>The contact details for Mrs. Rebecca Thomas from Mainstream were emailed to Mrs. Lock so that she can arrange the meeting with Mrs. Thomas. Stephan Jacobs, SiVEST</p>
<p>SKA provided a letter commenting on the SKA studies which will need to be re-done at a later stage, once a turbine has been chosen and final modelling has been done.</p> <p>A high-level risk assessment was conducted for the above-mentioned wind farm facilities based on the distance to the nearest SKA station and several assumptions relating to probable turbine model and layout. The results of the assessment showed that the facility possess a high cumulative risk of detrimental impact to the SKA project. The SKA project office, in a letter sent to the South Africa Mainstream Renewable Power Developments (Pty) Ltd, communicated these results and suggested that further detailed studies be conducted to scientifically validate the impact these wind farm facilities could have on the SKA project, and also assist with setting up the required mitigation measures.</p> <p>The developer appointed an independent consultant in order to undertake the appropriate electromagnetic studies in consultation with SKA Project office. The studies were done by Interference Testing and Consultancy Services (ITC Services) based on</p>	<p>Dr. Adrian Tiplady General Manager: Strategy & Business Process SKA South Africa Comment Letter: 12 January 2018</p>	<p>The special conditions stipulated in the comment letter which was provided by SKA SA are duly noted. It has been recommended by the EAP in the FEIAr that the DEA include these special conditions in the facility's EA, should these facilities be granted EA by the DEA. Mainstream will ensure that construction on site will not commence until all the required studies and EMC control plans are approved by the SKA project office. In addition, the DEA will be made aware of the fact that the SKA project office would object to the issuing of an EA for any of the facilities if the special conditions are not included. Stephan Jacobs, SiVEST</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>extrapolated Acciona turbine measurement. The results indicate a potential medium to high risk of detrimental impact.</p> <p>The developer presumes that the turbines that would be used for these projects would have less of an impact than the modelled Acciona turbine, and would want to demonstrate this through additional in-situ electromagnetic emission measurement studies based on recently operational wind farms around the country. Although the SKA project office has continued to engage with the developer regarding the potential impact these developments could have on the SKA project, the information currently available is limited and is insufficient to accurately determine the impact of these facilities on the SKA telescope. Detailed information relating to the wind turbine electromagnetic emission characteristics is likely to be only available post environmental authorisation.</p> <p>In light of the fact that the information that is required would only be available post authorization, should these facilities be granted environmental authorisation by Department of Environmental Affairs, the SKA SA project office requires that the following special conditions be include in the facility's Environmental Authorisation:</p> <ul style="list-style-type: none"> ▪ During the detailed design of the facility, the holder of the EA must, in consultation with the SKA SA Project office, conduct appropriate EMI and RFI studies in order to evaluate the impact the facility could have on the SKA radio telescope; ▪ The EMI/RFI reports, together with an appropriate EMC control plan, must be submitted to the SKA project office for approval, prior to the construction of the facility. The EMC control plan must address the proven technical and engineering design solutions that will be implemented to full mitigate the risk of the proposed project. Proof of SKA's approval of the EMC control plan must be 		

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>submitted to the competent authority (DEA) at least 30 days prior to commencement of construction activities;</p> <ul style="list-style-type: none"> ▪ Construction on site may not commence until all the required studies and EMC control plans are approved by the SKA project office. <p>The SKA project office would object to the issuing of an environmental authorisation for any of these facilities if the above mentioned special conditions are not included.</p>		
1.2 Communication and Documentation Related Comments/Issues		
<p>SANBI requested to be de-registered as an I&AP for the Environmental Impact Assessment (EIA) processes being undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections.</p>	<p style="text-align: center;">Kensani Mangena Project Officer: Municipal Support SANBI Email: 06 September 2017</p>	<p>SiVEST thanked SANBI for their response / comment and informed them that this was received and noted. SiVEST subsequently removed SANBI as an I&AP for these projects as requested. Stephan Jacobs, SiVEST</p>
<p>The EAP was asked to ensure that the documents related to the FSR are uploaded to the relevant SAHRIS Case application. It was requested that the EAP inform Mrs. Higgitt when these documents have been re-uploaded so that she may attend to the cases.</p>	<p style="text-align: center;">Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 04 August 2017</p>	<p>All documents related to the FSR were uploaded to the relevant SAHRIS Case in SAHRIS as requested. In addition, Mrs. Higgitt was sent as email in order to inform her that these documents were uploaded as requested. All correspondence undertaken with SAHRA is included in Appendix 7D in the FEIAR. Stephan Jacobs, SiVEST</p>
<p>It was requested that the EAP ensure that the DSR for the Graskoppies case is re-uploaded to SAHRIS. It was stated that Mrs. Higgitt had issued comments where she referenced these reports, therefore they should not have been removed.</p>	<p style="text-align: center;">Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 01 September 2017</p>	<p>SiVEST thanked Mrs. Higgitt / SAHRA for their comment and re-uploaded the Graskoppies Wind Farm (Case ID number: 11250) DSR to SAHRIS as requested. SiVEST informed Mrs. Higgitt / SAHRA once these had been re-uploaded to SAHRIS. All correspondence undertaken with SAHRA is included in Appendix 7D of the FEIAR. Stephan Jacobs, SiVEST</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>The EAP was informed that SAHRA awaits the HIA as requested for in the SAHRA Interim Comment on the case.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 08 September 2017</p>	<p>The HIA report was updated according to the SAHRA Interim Comment on the case and was subsequently uploaded to SAHRIS as requested. The updated HIA report is included in Appendix 6H in the FEIAR. Stephan Jacobs, SiVEST</p>
<p>It was noted that the HIA were loaded to the Case Applications. The EAP was asked to ensure that the HIAs are uploaded as separate Heritage Reports, not attached to the Heritage Scoping Report file. SAHRIS will only issue comments on the HIA once the draft EIAs have been submitted to the case. EAP to ensure that the DEIAs are uploaded to the SAHRIS Case applications at the start of the Public Review process. SAHRIS will change the status of the cases to Studies Pending. Once the dEIAs are uploaded, EAP to change the status of the cases to SUBMITTED.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 30 October 2017</p>	<p>SiVEST ensured that the HIAs were uploaded to SAHRIS as separate Heritage Reports, not attached to the Heritage Scoping Report file. In addition, the DEIAs were submitted to the case in SAHRIS at the start of the Public Review Process as requested. Once these were uploaded, SiVEST changed the status of the case to SUBMITTED. An email was sent to Mrs. Higgitt in order to inform her about this.</p> <p>All correspondence to and from SAHRIS is included in Appendix 7D in the FEIAR. Stephan Jacobs, SiVEST</p>
<p>SAHRA thanked the EAP for notifying them of the update. The EAP was asked to ensure that all documents were uploaded to the SAHRIS case applications, and the status of the cases are changed to submitted. EAP was requested to inform SAHRA when that has been completed and to reference the case ID numbers.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 01 November 2017</p>	<p>SiVEST ensured that all documents were uploaded to the SAHRIS case applications, and the status of the cases are changed to submitted. SiVEST sent Mrs. Higgitt an email in order to inform her that this had been completed. The case ID numbers were referenced in this email. SAHRA was also given an opportunity to inform the EAP if anything else was needed.</p> <p>All correspondence to and from SAHRIS is included in Appendix 7D in the FEIAR. Hlengiwe Ntuli, SiVEST</p>
<p>SAHRA thanked the EAP for updating them. SAHRA also informed the EAP that the Heritage Assessment must be uploaded as a Heritage Report on Page 4 of the application (top of page). The reports must not be uploaded under additional documents. Additionally, all the appendices referred to in the DEIR must be uploaded so that we have all information regarding the development so that SAHRA may issue an informed comment.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 07 November 2017</p>	<p>EAP notified SAHRA that all documents were uploaded. The Heritage Assessment was uploaded as a Heritage Report on Page 4 of the application as requested. Additionally, all the appendices referred to in the DEIAR were uploaded as requested.</p>

Issue/Comment	Raised By	Response
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES		
<p>The EAP was reminded that documents that contact personal information (ID numbers, addresses, phone numbers etc) must be uploaded to the Research Proposals or Consent Letter sections as these sections are private and can only be viewed by the applicant and the Case Officer. This is so that SAHRA may comply with the Protection of Personal Information Act, Act 4 of 2013 (POPIA).</p>		<p>Documents that contact personal information (ID numbers, addresses, phone numbers etc.) were also uploaded to the Research Proposals or Consent Letter sections as requested. SAHRA was also given an opportunity to inform the EAP if anything else was needed. Hlengiwe Ntuli, SiVEST</p>
<p>SAHRA had started to review the cases and have noticed that the Heritage Scoping Report that was uploaded to the Graskoppies case appears to have been removed. EAP was advised to refrain from removing reports that have been commented on. EAP was requested to re-upload the Scoping Report to the case.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 14 November 2017</p>	<p>SAHRA was notified that the DEIAs as well as the heritage reports were uploaded. In addition, the EAP did not remove any reports that had been commented on. The Scoping Report was also re-uploaded to the case as requested. SAHRA was also given an opportunity to inform the EAP if anything else was needed. Hlengiwe Ntuli, SiVEST</p>
<p>Additionally, all of the proposed developments have not been mapped on the GIS layer of the application. I cannot issue comments until the case is compliant. Please ensure that this is completed as soon as possible.</p>	<p>Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit SAHRA Email: 14 November 2017</p>	<p>EAP notified SAHRA that all the requested documents were uploaded. The KMLs are uploaded on both the GIS layer as well as additional documents on the last page. Hlengiwe Ntuli, SiVEST</p>



Appendix 7F
I&AP Database

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Environmental Impact Assessment I&AP Database

January 2018

First Name	Last Name	Company
Nicole	Abrahams	SANRAL
Koos	Alexander	Hantam Local Municipality
Tania	Anderson	WESSA: Northern Cape
Lerato	April	Department of Energy
Paul	Avenant	Department of Agriculture, Forestry & Fisheries
Quentin	Aylward	Cell C
M	Bartlett	Northern Cape Department of Agriculture, Land Reform and Rural Development
Amanda	Bester	Telkom (SA) Ltd
Irene	Bezuidenhout	BioTherm Energy
Corne	Botha	MTN Telecoms
Lambert	Brand	Farm: Remainder Georges Vley 217
Labert	Brand	Plaas Georgs vley 217, Restant
Madeleine	Brandt	Namakwa District Municipality
Hein	Burden	Portion 2 of the Farm Georgs Vley No. 127
Marie	Burden	Portion 2 of the Farm Georgs Vley No. 127
Erica	Burg	Telkom SOC
Thoko	Buthelezi	Dept of Agriculture, Forestry & Fisheries
Hettie	Buys	Department of Agriculture, Forestry and Fisheries
Aubrey	Classen	Hantam LM
Shaun	Cloete	Department of Water and Sanitation
Chris	Coetzee	South African Astronomical Observatory
Andre	de Villiers	Andreas Ricus Trust
Henry	de Wee	Hantam Local Municipality
Jaco	Don	Plaas: Georgs Vley No. 127 (Voorman)
Brian	Dreyer	Neotel
Charl	Du Plessis	Hantam Local Municipality
Joshua	Engelbrecht	Cell C
Bennie	Engelbrecht	Hantam Local Municipality
Margaret	Esau	Hantam Local Municipality
Patrick	Farmer	Hantam Local Municipality
Belinda	Farmer	Hantam Local Municipality
Sam	Fiff	Transnet Freight Rail (Jhb)
Brian	Fisher	Dept of Environment and Nature Conservation
Colin	Fordham	Cape Nature Conservation
Chris	Fortuin	Namakwa District Municipality
Nico	Fourie	Department of Roads & Public Works: Northern Cape Province
John	Geeringh	Eskom: Transmission
Andrea	Gibb	SIVEST
Bradley	Gibbons	EWT: African Crane Conservation Programme
Marianne	Golding	Endangered Wildlife Trust
Geraldene	Gous	Hantam Local Municipality
Morgan	Griffiths	WESSA: National
W	Grobler	Department of Water & Sanitation
Michelle	Hartslief	South African Weather Service
Ambrose	Hector	Eskom
Wimpie	Henning	Eskom Holdings SOC Limited
Natasha	Higgitt	South African Heritage Resources Agency
Obakeng	Isaacs	KHAI-MA LOCAL MUNICIPALITY
Charl	Jooste	Solar Capital
P	Josop	Khai-Ma Local Municipality
Garth	Julius	SANRAL
Mere	Kgampe	Department of Science and Technology
Johan	Koegelenberg	SENTECH
Stephnie	Kot	Infrastructure Asset Management (IAM)
Theunis	Kotze	Portion 2 of Karree Doorn No 214
Hercule	Le Roux	MTN Telecoms
Tsholo	Leburu	Northern Cape Provincial Department
Lourens	Leeuwner	EWT
Seoka	Lekota	Department of Environmental Affairs

Eddie	Lennox	Eskom Transmission Limited
Patrick	Lenyibi	DEPARTMENT OF SPORT, ARTS & CULTURE
Aaron	Lephalo	Solar Power Plant Construction
Deidre	Lesch	WWF
Bertram	Leukes	Hantam Local Municipality
Braam	Lintvelt	Plaas: Aan de Karee Doornpan
Riana	Lock	Hantam Plaaslike Munisipaliteit
Frans	Lombard	Plaas: Karree Doorn 214, Ptn 1
Gys	Lombard	Plaas: Karree Doorn 214, Ptn 1
Jannie	Loubser	Namakwa District Municipality
Alwyn	Louw	
Albie	Louw	Plaas: Hartebeest Leegte 216, Ged 1
Hermanus	Louw	Portion 1 of the Farm Hartebeest Leegte No. 216
Nico	Louw	Portion 2 of the Farm Gras Koppies No. 176
Dave	Lucas	Eskom: Corporate Sustainability
Kate	MacEwan	South African Bat Assessment Association
Moses	Mahunonyane	Department of Water & Sanitation
Ester	Makungo	Department of Water & Sanitation
Jacoline	Mans	Department of Agriculture, Forestry & Fisheries
Mashudu	Marubini	DAFF Provincial Department
Simphiwe	Masilela	Air Traffic Navigation Services
Pheladi	Masipa	Department of Energy
Rochelle	McPherson	Eskom Wayleave
Thabani	Mhlongo	South African Weather Service
Melanie	Miles	Leads 2 Business
Elias	Mohapi	Solar Power Plant Construction
Lerato	Mokgwatheng	Eskom Holdings SOC Limited
Ishmael	Mokhati	Solar Power Plant Construction
Tshegofatso	Monama	Square Kilometre Array
Johanna	Morobane	Air Traffic Navigation Services
Lungile	Motsisi	Eskom Transmission Limited
Thulani	Mthombeni	NC Dept of Environment and Nature Conservation
Vincent	Muila	Department of Mineral Resources (DMR)
George	Muller	Hantam Local Municipality
Serah Masala	Muobeleni	DAFF
Henning	Myburg	Agri SA: Northern Cape
Ono	Naude	Vodacom
Onwabile	Ndzumo	NC Dept of Environment and Nature Conservation
Koosie	Nel	Potrion 1 of Graskoppies 176
Hermanus	Nel	Remainder of the Farm Hartebeest Leegte No. 216
Joseph	Nhlapo	SENTECH
Jasper	Nieuwoudt	Department of Mineral Resources
David	Ockhuys	
Gizella	Opperman	Hantam Local Municipality
Richwell	Phale	Solar Power Plant Construction
Mmatlala	Rabothata	Department of Environmental Affairs
Samantha	Ralston-Paton	Bird Life South Africa
Ntsundeni	Ravhogoni	Department of Mineral Resources (DMR)
Nicole	Reddy	WWF-SA
Harry	Roberts	SA CAA
Lucia	Rodrigues	Western Cape Black Eagle Project
Jaco	Roelofse	NC Department of Roads & Public Works
Ramatholo	Sefako	South African Astronomical Observatory
Rasibe	Sekepane	Department of Mineral Resources (DMR)
Rosey	Sekese	Dept of Telecommunications and Postal Service
Kwena Khutjo	Sekwaila	Department of Water and Sanitation
Henri	Smit	Plaas: Zuur Fontein 224, Ged 1
Immanuel	Smith	Namakwa District Municipality
Candice	Spammer	Telkom Wayleave
Hennie	Spannenberg	Farms: Remainder Nabasiep 219 & Ptn 1 Kapteins Kraal 222
Gert	Steenkamp	DAFF: Regional Northern Cape
Jeany	Steenkamp	Hantam Local Municipality
Hermina	Steenkamp	Hantam Plaaslike Munisipaliteit
Gert	Steenkamp	NC Department of Agriculture, Land Reform and Rural Development
Frik	Sterkse	Hantam Plaaslike Munisipaliteit
Candice	Stevens	Birdlife South Africa

Lizell	Stroh	SA Civil Aviation Authority
Shaun	Swanepoel	Eskom Wayleave
Roger	Swartz	Hantam Local Municipality
Adriaan	Tiplady	Square Kilometre Array
Stanley	Tshitwamulomoni	Department of Environmental Affairs
Heleen	van den Heever	Telkom (SA) Ltd
Christo	van der Merwe	Farm: Ptn 2 Zuur Fontein 224
Francois	van der Merwe	Remainder of Sous 226
Gert	van der Walt	Vodacom
Kokkie	van der Westhuizen	Farm: Zuur Fontein 224
Deon	Van der Westhuizen	Plaas: Klein Rooiberg
Herman	van Heerden	Portion 5 of the farm Klein Rooiberg No. 227
Hentie	van Jaarsveld	Agri SA: Loeriesfontein Landbouvereniging
Riaan	Van Wyk	Hantam Local Municipality
NJ	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Hannes	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Abraham	van Zyl	Farm: Remainder Blaauw Pan 175
Albertus	Van Zyl	PTN 3 Farm GIFKOP116
Paul	Venter	MTN Telecoms
Charles	Versfeld	Farm: Remainder Buchufontein 184
Fred	Versfeld	Remainder Farm Buchu Fontein 184
Noel	Viljoen	Hantam Local Municipality
Ronelle	Visagie	EWT
Jonathan	Visagie	Telkom
Dorien	Werth	NC Dept of Environment and Nature Conservation
Ted	Williams	South African Astronomical Observatory
Justine	Wyngaardt	Eskom
Megan	.	Sustainable Energy Africa
		Sustainable Energy & Climate Change Project
	..	DE BEERS CONSOLIDATED MINES (Pty) Ltd



Appendix 7G
Minutes of Meetings
(To be included in FEIAR)

SiVEST



**ENVIRONMENTAL IMPACT
ASSESSMENTS (EIAs) FOR THE FOUR
(4) PROPOSED MAINSTREAM WIND
FARMS, AND BASIC ASSESSMENTS
(BAs) FOR THE ASSOCIATED GRID
CONNECTIONS NEAR
LOERIESFONTEIN, NORTHERN CAPE
PROVINCE**

**MINUTES OF THE
FOCUS GROUP MEETING**

Landowners

**Held on
Wednesday, 01 November 2017 at 09h00
NG Church Hall, Church Street, Loeriesfontein
Northern Cape Province**

SiVEST SA (Pty) Ltd

Contact: Stephan Jacobs / Hlengiwe Ntuli

Address: PO Box 2921
51 Wessels Road
Rivonia 2128

Tel: 011 798 0600

Fax: 011 803 7272

E-mail: stephanj@sivest.co.za
hlengiwen@sivest.co.za

Draft Minutes prepared by:

Stephan Jacobs

Please address any comments to Stephan Jacobs or Hlengiwe Ntuli at the above address

TABLE OF CONTENTS

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

FOCUS GROUP MEETING

Venue: NG Church Hall, Church Street, Loeriesfontein
Date: Wednesday, 01 November 2017
Time: 09h00 – 10h30

1 WELCOME, INTRODUCTIONS

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

It was agreed that the presentation be presented in English and that the attendees could raise their comments / concerns in the language of their choice. Should any clarification / translation regarding any aspect of the presentation be required, the team will gladly assist.

2 MEETING ATTENDEES

The Focus Group Meeting (FGM) was attended by the following representatives from the project team:

- Stephan Jacobs from SiVEST;
- Nicolene Venter from Imaginative Africa;
- Rebecca Thomas from Mainstream; and
- Devon Steenkamp from Mainstream.

The FGM was attended by the following affected local landowners:

- Mr. Albie Louw (Portion 1 of the Farm Hartebeest Leegte No. 216);
- Mr. Hermanus Nel (Remainder of the Farm Hartebeest Leegte No. 216); and
- Mr. Hein Burden (Portion 2 of the Farm Georg's Vley No. 217).

In addition, the following affected local landowners sent apologies for not being able to attend the FGM but requested that minutes of the meeting be sent to them:

- Mrs. Marie Burden (Portion 2 of the Farm Georg's Vley No. 217).

A copy of the Attendance Record is attached as **Annexure A**.

3 PURPOSE OF THE MEETING

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

- To provide an overview of the proposed projects;
- To provide feedback on the findings with regards to the wind farm projects as documented in the EIA phase specialist reports;

- To provide an opportunity to raise comments and/or concerns regarding the proposed projects; and
- To record comments, issues and concerns raised.

4 PROJECT CONTEXT AND OVERVIEW

Stephan Jacobs presented an overview of the proposed projects explaining the background to the projects, what the projects would entail, what the EIA and BA processes entail, and the current status of the EIA and BA processes. In addition, Stephan Jacobs also presented the findings with regards to the wind farm projects as documented in the EIA phase specialist reports

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

5 DISCUSSION SESSION AND QUESTIONS

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

6 CLOSURE AND WAY FORWARD

Nicolene Venter closed the meeting at approximately 10h30. She informed the attendees that the FGM minutes, presentation, and attendance record would be forwarded to everyone who attended the meeting.

ATTENDANCE RECORD

**FOUR (4) PROPOSED MAINSTREAM WIND FARMS NEAR
LOERIESFONTEIN: LANDOWNER FOCUS GROUP MEETING
ATTENDANCE RECORD**

FIRST NAME	LAST NAME	COMPANY
Stephan	Jacobs	SiVEST SA
Nicolene	Venter	Imaginative Africa
Rebecca	Thomas	Mainstream
Devon	Steenkamp	Mainstream
Albie	Louw	Landowner: Portion 1 of the Farm Hartebeest Leegte No. 216
Hermanus	Nel	Landowner: Remainder of the Farm Hartebeest Leegte No. 216
Hein	Burden	Landowner: Portion 2 of the Farm Georg's Vley No. 217

COPY OF PRESENTATION

ENVIRONMENTAL IMPACT ASSESSMENTS FOR THE PROPOSED DEVELOPMENT OF THE GRASKOPPIES, HARTEBEEST LEEGTE, ITHEMBA AND !XHA BOOM WIND FARMS AND BASIC ASSESSMENTS FOR THE PROPOSED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref. Nos:-

- GRASKOPPIES WIND FARM: 14/12/16/3/3/2/1017
- HARTEBEEST LEEGTE WIND FARM: 14/12/16/3/3/2/1015
- ITHEMBA WIND FARM: 14/12/16/3/3/2/1016
- !XHA BOOM WIND FARM: 14/12/16/3/3/2/1018

BA Ref. No: To be issued

FOCUS GROUP MEETING - LANDOWNERS

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

A PROFESSIONAL TEAM DELIVERING CREATIVE PROJECT SOLUTIONS

SIVEST





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



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

PROJECT OVERVIEW

■ What does the proposed development entail?

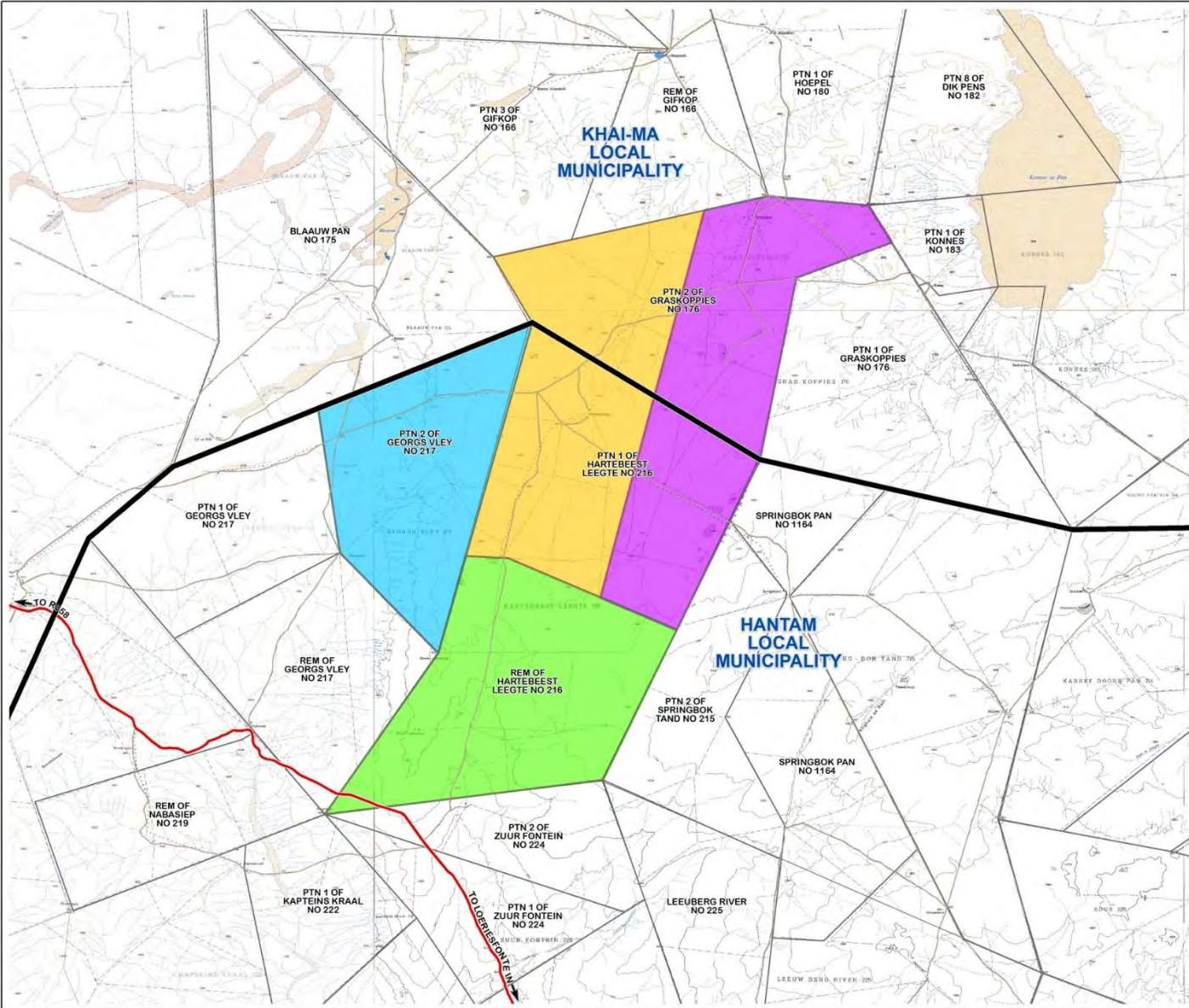
- Construction of the Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom Wind Farms, each comprising 47 wind turbines with a maximum generation capacity of 235MW.
 - Associated infrastructure for each facility includes:
 - New 132kV on-site IPP Substation
 - Medium voltage cables connecting the turbines to the new substation
 - Temporary construction laydown area
 - Operation and maintenance buildings
 - Internal access roads
 - Hardstanding areas/ platforms for each turbine

■ Why is the project being proposed?

- To generate electricity to feed into the national grid
- Promote use of renewable energy
- To help meet future energy consumption requirements



PROPOSED CONSTRUCTION OF FOUR WIND FARMS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE
PROJECT OVERVIEW



- Legend**
- Local Municipal Boundaries
 - Secondary Roads
 - Local Access Roads
 - Adjoining Farm Boundaries
- Proposed Wind Farm Projects**
- Graskoppies Wind Farm
 - Hartebeestlegte Wind Farm
 - Ithemba Wind Farm
 - Xha! Boom Wind Farm

SOURCE: MUNICIPAL DEMARCATION BOARD, 2011
NGL 2014

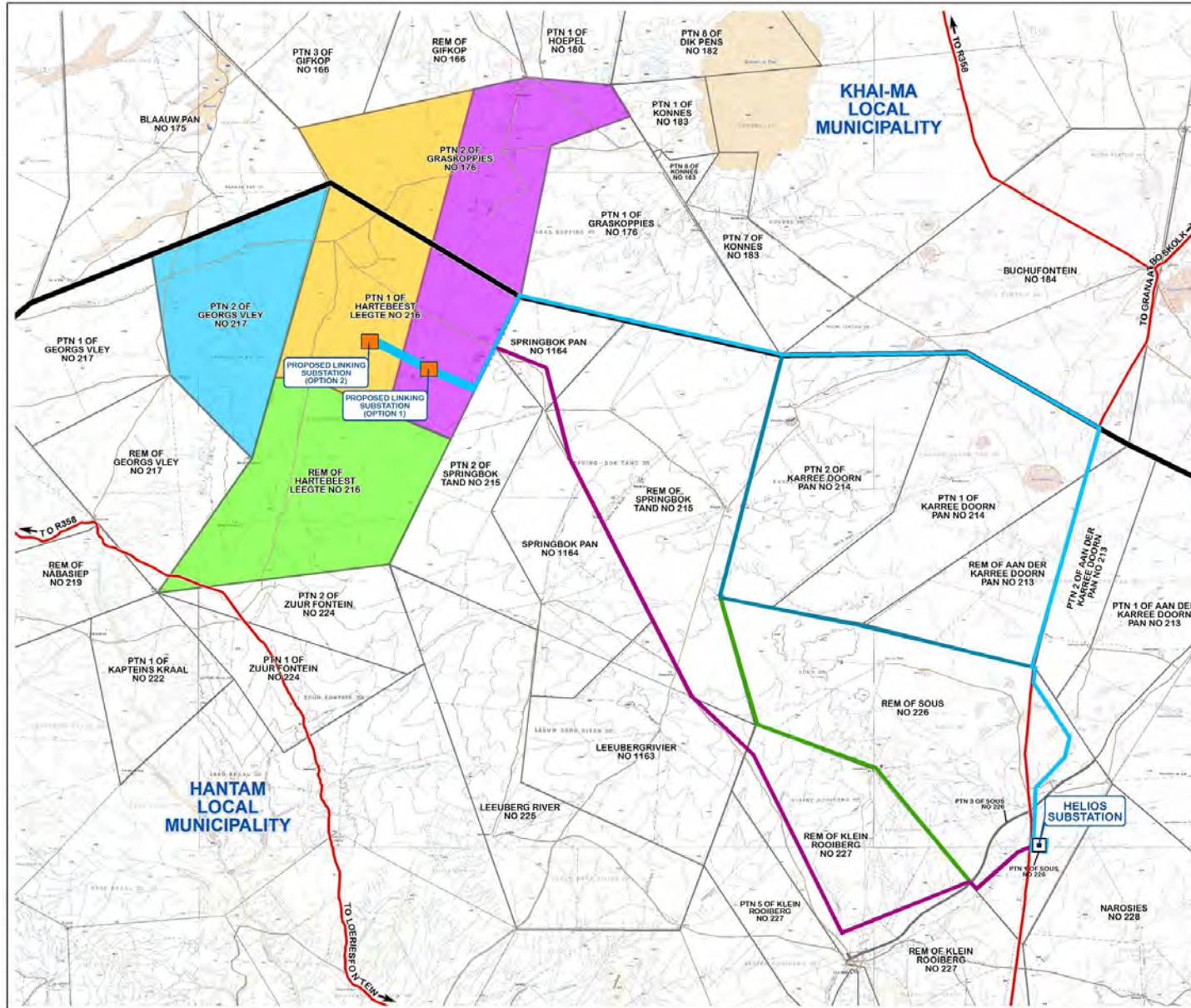
 0 1.5 3 Kilometers		
	ENVIRONMENTAL DIVISION 51 WESSLES ROAD KRAALUK 2125 JOHANNESBURG SOUTH AFRICA Phone: +27 11 786 0000 Fax: +27 11 803 2212 e-mail: info@sivest.co.za	

Project No 13622	Prepared By HLS	Date 20/09/2017
Map Ref No 13622/NL_01	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT

- Mainstream proposing to construct four (4) 132kV power lines, four (4) 33kV/132kV on-site IPP substations and a 132kV Linking Substation (hereafter referred to as the “grid connections”), to connect proposed wind farms to national grid at Helios Substation
- Grid connection projects being undertaken as separate BA processes (separate Environmental Authorisations)
- However, a single public participation process being undertaken for all projects (wind farm and grid connection projects)
- Findings of Specialist Studies for grid connection projects not available yet as projects have not officially commenced – Will be notified when the reports for the grid connection are available



PROPOSED CONSTRUCTION OF FOUR WIND FARMS AND ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE
PROJECT OVERVIEW

Legend

- Local Municipal Boundaries
- Secondary Roads
- Local Access Roads
- Adjoining Farm Boundaries
- Helios Substation
- Proposed Linking Substation Site Alternatives

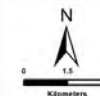
Proposed Wind Farm Projects

- Graskoppies Wind Farm
- Hartebeestleege Wind Farm
- Ithemba Wind Farm
- Xha! Boom Wind Farm

Proposed Corridor Alternatives

- Option 1
- Option 2
- Option 3
- Option 4

SOURCE: MUNICIPAL DEMARCATION BOARD, 2011
NGI, 2014



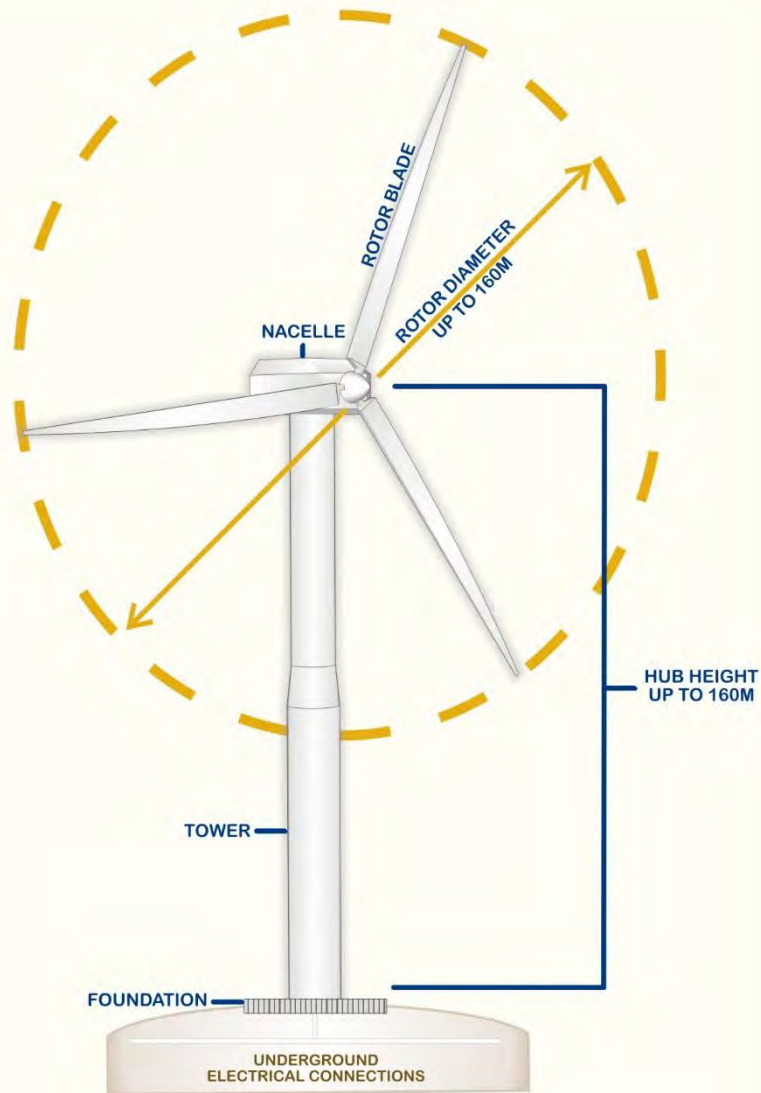
ENVIRONMENTAL DIVISION
S1 WESSELS ROAD
RIVIERA 375
JOHANNESBURG
SOUTH AFRICA

Phone: +27 11 788 0600
Fax: +27 11 803 7272
email: info@sivest.co.za

Project No 13622	Prepared By KLS	Date 18/10/2016
Map Ref No 13622/BID_01	Revision 2	Date 23/05/2017

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 96 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT



WIND TURBINE COMPONENTS
(ADAPTED AND DRAWN BY SIVEST, 2011)

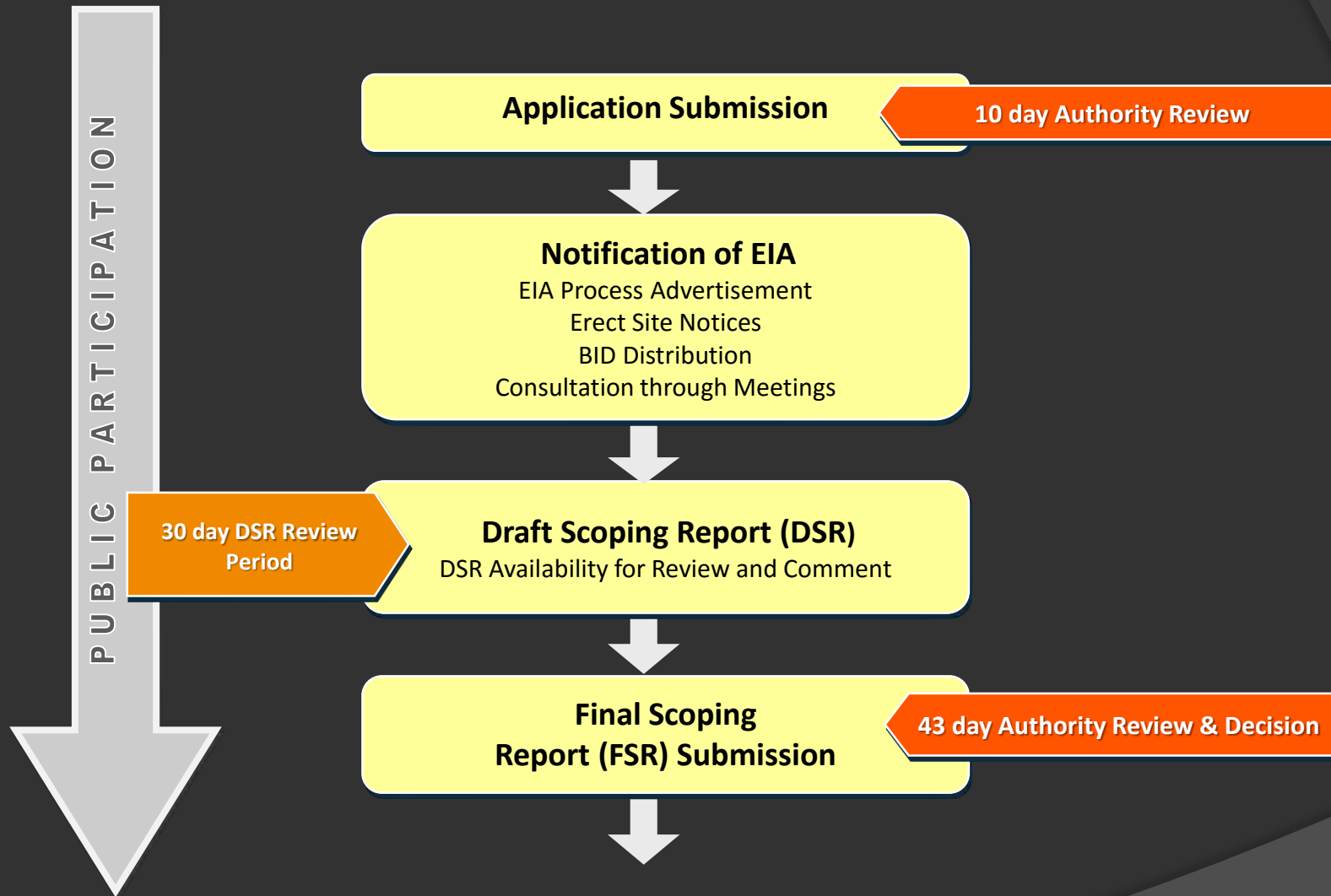


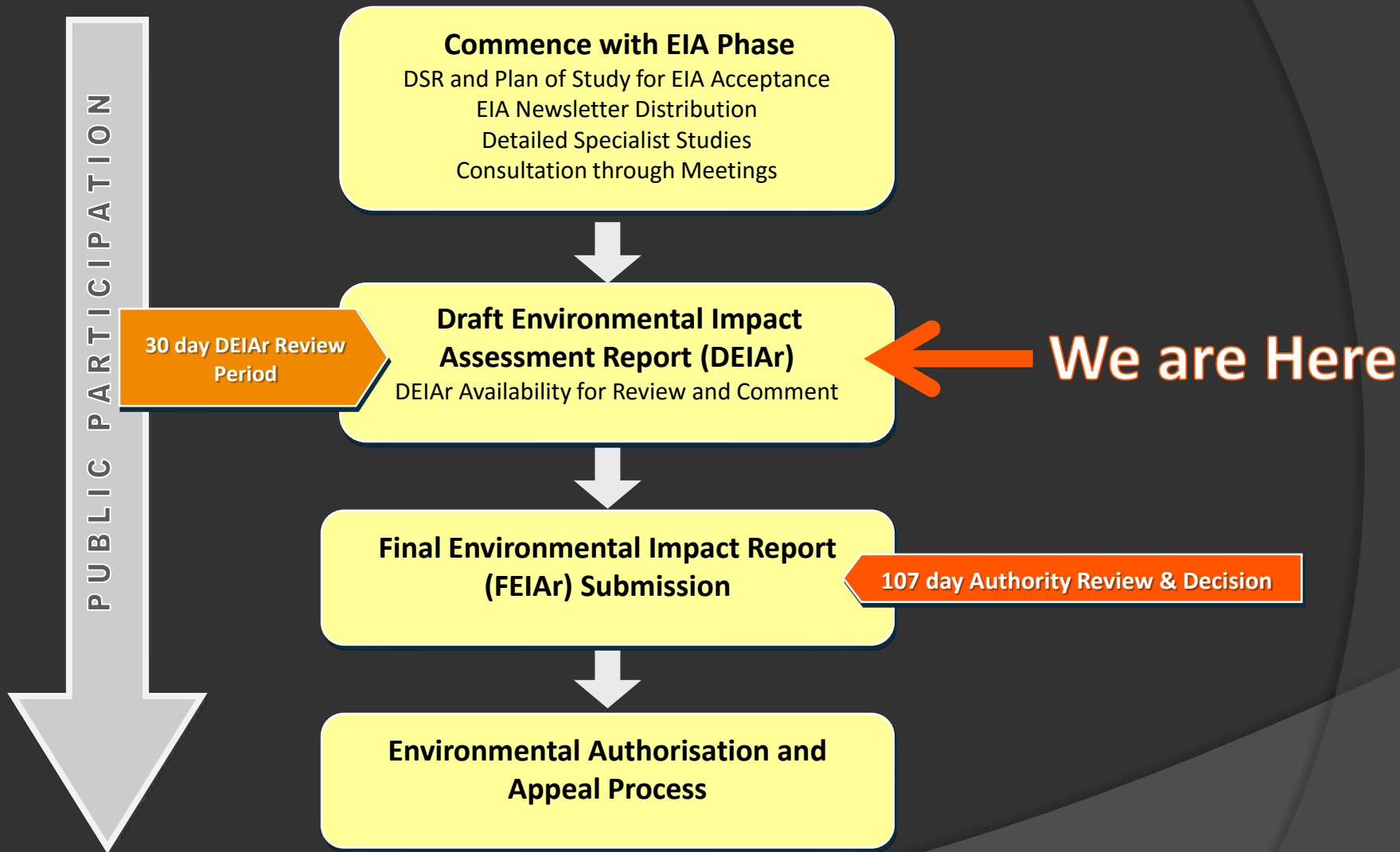
- **Who is the independent EAP?**
 - SiVEST SA

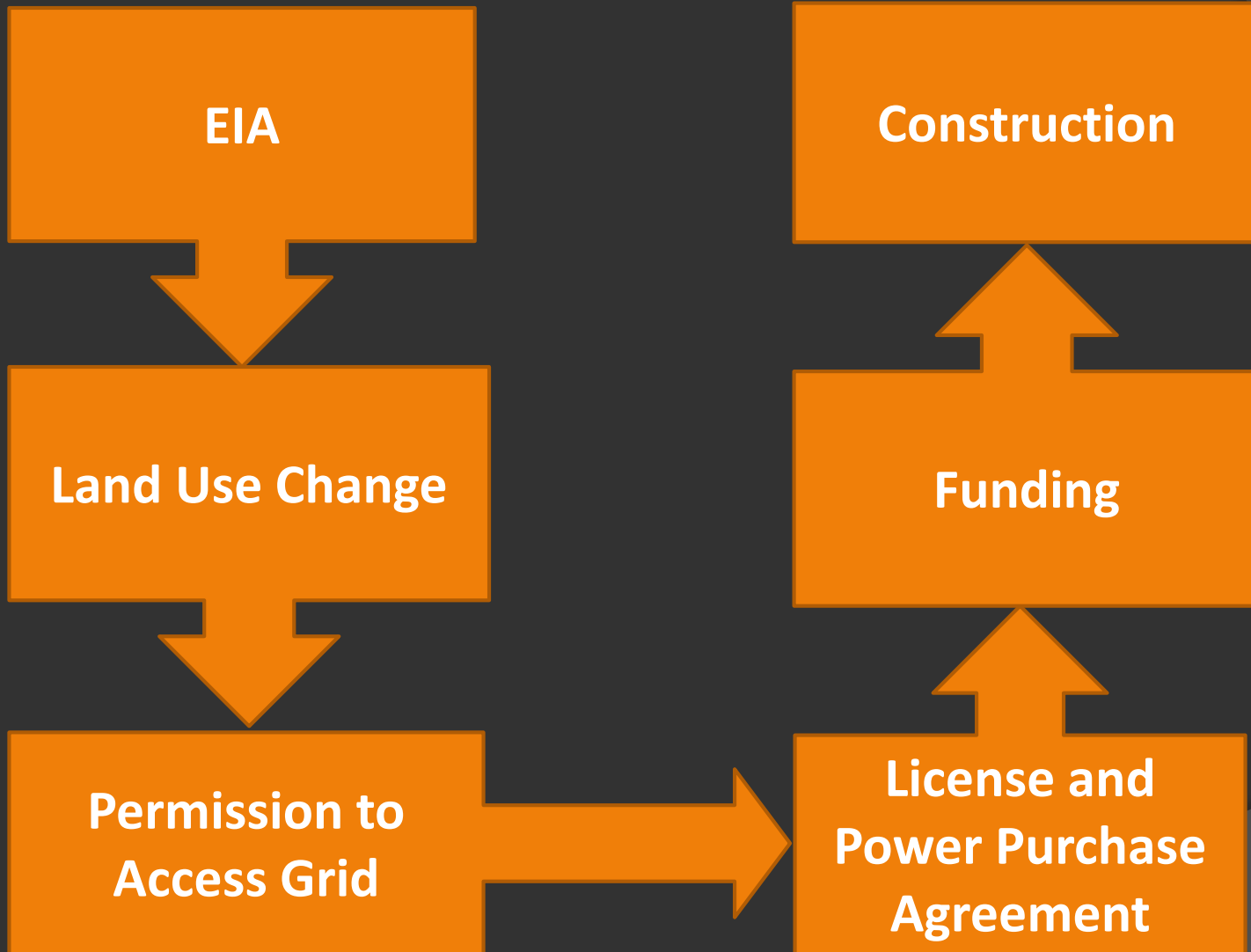
- **Why undertake an EIA?**
 - Legal requirement
 - Consider environmental impacts and mitigation measures
 - Provide stakeholders/I&APs the opportunity to participate

- **Who is the applicant?**
 - South Africa Mainstream Renewable Power Developments (Pty) Ltd

- **Who is the decision-making authority?**
 - Department of Environmental Affairs (DEA)







ENVIRONMENTAL FINDINGS

■ EIA phase underway

- Rating of significance of impacts
- Compliance with Equator Principles
- Compliance with all National legislation
- Comparative assessment of on-site alternatives
- Environmental Management Programme

■ Environmental aspects being assessed

- Biodiversity (flora and fauna)
- Avifauna (including pre-construction monitoring)
- Bats (including pre-construction monitoring)
- Surface Water
- Soils and Agricultural Potential
- Noise
- Visual
- Heritage
- Socio-economic
- Geotechnical
- Path Loss and Risk Assessment in terms of the Square Kilometre Array (SKA)

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> Vegetation (Bushmanland Basin Shrubland and Western Bushmanland Klipveld) is classified as Least Threatened Namakwa Biodiversity Sector Plan (2007) does not identify any Critical Biodiversity Areas or Ecological Support Areas on or near the proposed wind farm sites. Largely characterised by arid grassland or low shrubland with low diversity and low sensitivity. Sensitive features such as pans, drainage lines and rocky outcrops occupy only small proportions of each site and are not affected by the site layout. 			
Mitigation	<p>Construction and operational phase mitigation measures provided include:</p> <ul style="list-style-type: none"> Avoidance of high sensitivity areas and drainage lines Pre-construction walkthrough to identify areas of sensitivity Removal and translocation of any fauna threatened by construction activity Need for Open Space, Erosion and Rehabilitation and Alien Plant management plans. 			

No fatal flaws were identified and the proposed development could therefore be authorised, provided all proposed mitigation and avoidance measures are implemented.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • The projects are located in the ecological transitional zone between the Nama Karoo and Succulent Karoo biomes which supports a high diversity of bird species. • An estimated 56 species were recorded in the study area, of which 12 are priority species. • Potential impacts include collisions with turbines, displacement due to disturbance or habitat transformation and electrocution. • Sensitive areas are water points and surface water features. • Priority species which could potentially be vulnerable to wind turbine collisions are Northern Black Korhaan, Karoo Korhaan, Kori Bustard and Ludwig's Bustard. 			
Mitigation	<p>Construction and operational phase mitigation measures provided include:</p> <ul style="list-style-type: none"> • Provision of exclusion zones around existing water points and pans. • Provision of 300m and 500m buffer zones around identified nests. • Post construction monitoring. 			

The proposed wind farms will have varying levels of impact on avifauna ranging with the greatest impact resulting from collisions with turbines. This could be reduced to a medium impact through the application of mitigation measures

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> The most abundant bat species recorded in the study area is <i>Tadarida aegyptiaca</i> (Egyptian Free-tailed bat) <i>Miniopterus natalensis</i> (Natal long-fingered bat) = only migratory species detected on site, although analysis over the 12 month monitoring period did not reveal any activity levels indicative of a migratory event. Areas of high sensitivity were mapped to identify areas which could experience elevated rates of bat fatalities due to wind turbines. These areas were designated as 'no-areas' and have accordingly been avoided by the wind farm layouts. 			
Mitigation	<p>Construction and operational phase mitigation measures provided include:</p> <ul style="list-style-type: none"> Adherence to sensitivity map during turbine placement. Revegetation of damaged areas after construction. Implementation of a post construction bat monitoring study. Application of curtailment. 			

The proposed wind farms may be authorised provided that the proposed mitigation measures are adhered to.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> Orange and Olifants-Cape Primary Catchment; Lower Orange and Olifants / Doorn Water Management Area. Numerous surface water resources were identified on all four wind farm sites. Include individual drainage lines, watercourses, and wetlands. Potential impacts include loss of wetland and riparian habitat, soil erosion and degradation, soil and water contamination and loss of fauna. 			
	20 depression wetlands, 1 major drainage line and 75 drainage lines were identified.	1 depression wetland and 45 drainage lines were identified.	13 depression wetlands, 1 major drainage line and 14 drainage lines were identified.	2 depression wetlands, 3 major drainage lines and 237 drainage lines were identified.
Mitigation	<p>Construction and operational phase mitigation measures provided include:</p> <ul style="list-style-type: none"> Designation of surface water resources as 'Highly Sensitive' and the establishment of ecological buffer zones to protect these resources. Avoidance of direct impacts on delineated surface water resources. Establishment of internal road crossing areas. Post construction rehabilitation. 			

With implementation of mitigation measures, the proposed development components as per the layout are acceptable and therefore, may be environmentally authorised.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • Soils across site are predominantly shallow, sandy soils on underlying rock or hard-pan carbonate, of the Coega, Mispah, Glenrosa and Askham soil forms. • Limited climatic moisture availability and poor soils are major limitations to agriculture. • The sites are therefore unsuitable for cultivation and agricultural land use is restricted to low intensity grazing. • The site is classified as Class 7 – non-arable low potential grazing land with a very low grazing capacity. • There are no agriculturally sensitive areas and no parts of the site need to be avoided by the development. 			
Mitigation	<p>Mitigation measures include:</p> <ul style="list-style-type: none"> • Erosion control for all phases of development and the management of topsoil during construction; • Minimise road footprint and control vehicle access; • Implementation of dust control measures and implementation of effective spillage and waste management. 			

Because of the low agricultural potential of the site, agricultural impact will be low and as such there are no restrictions relating to agriculture which would preclude authorisation of the proposed development..



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • Study area has a natural / scenic visual character, with a rural or pastoral component. • The study area is not generally valued for its tourism significance and is rated as having a low visual sensitivity. • No sensitive visual receptors (such as guest houses and other tourist facilities) were identified in the study area. • Several scattered farmsteads in the area were identified as potentially sensitive visual receptors and impacts on these receptors ranged from medium to high. • There are no visually sensitive roads in the study area. 			
Mitigation	<p>Mitigation measures include:</p> <ul style="list-style-type: none"> • Vegetation clearance to be minimised and cleared areas to be rehabilitated as soon as possible. • Dust suppression techniques to be implemented on all gravel access roads. • Light fittings for security at night should reflect the light toward the ground and prevent light spill. 			

The visual impacts associated with the construction and operation phases can be mitigated to acceptable levels provided the recommended mitigation measures are implemented. As such, the impacts identified are not significant enough to prevent the authorisation from being granted.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> Projects could have a noise impact on the surrounding area, as there are noise-sensitive developments within the (potential) area of acoustical influence of the construction activities. 			
	<ul style="list-style-type: none"> construction of access roads & construction traffic may increase noise levels sufficiently to result in noise impacts of medium significance (especially at night). 			
	<ul style="list-style-type: none"> Slight potential for noise impact during operational phase. Sig however LOW 	<ul style="list-style-type: none"> Noise impact of medium sig for NSD02 for of WF. Cumulative impact of medium sig for NSD03. 	<ul style="list-style-type: none"> Noise impact of medium sig for NSD04 for operation of WF. Cumulative impact of medium sig for NSD03. 	<ul style="list-style-type: none"> Slight potential for noise impact during operational phase. Sig however LOW
Mitigation	<ul style="list-style-type: none"> planning construction activities as far way from noise sensitive receptors as possible Layout of the WEF should avoid noise sensitive receptors as far as possible 			

Project can be authorized from a noise perspective subject to the implementation of the recommended mitigation

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	7 heritage resources	1 heritage resource	3 heritage resources	3 heritage resources
	<ul style="list-style-type: none"> • In addition, several areas with existing infrastructure such as fenced off camps, windmills and reservoirs were identified. • No identified heritage resources are affected by the proposed wind farm layout. • Palaeontological significance is rated as low and pending the discovery of significant new fossil material, no further specialist studies are deemed necessary. 			
Mitigation	<p>Mitigation measure include:</p> <ul style="list-style-type: none"> • A pre-construction walk down of the final layout; • Formal mitigation measures to be provided for any heritage features identified during the walkdown; • Provision of a Heritage Management Plan to guide construction and operation; • Avoidance of sites rated as medium and high sensitivity; 			

The overall impact on heritage resources is seen as acceptable, mitigation measures address any impacts on heritage resources.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • Relevant national, provincial, and local government policies reveal that the development of RE technologies is strongly supported by government. • These type of projects stimulate the local economy and create new employment opportunities. • Additional positive impacts include skills development and training, increased household income and a sustainable increase in production and GDP. • Projects will benefit the local municipalities which currently have a small economic base and high rates of unemployment. • Negative impacts occurring mainly during the construction phase could worsen the health of local communities, reduce access to social facilities and infrastructure locally and increase the incidence of social ills if not adequately mitigated. 			
Mitigation	<p>Mitigation measures include:</p> <ul style="list-style-type: none"> • Prioritisation of local community members for the allocation of jobs; • Local procurement of labour, goods and services; • Use of social responsibility allocations to avoid deterioration in social and economic infrastructure. 			

The overall socio-economic impact on is seen as acceptable, subject to the implementation of mitigation measures.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • Site is relatively flat with local ridges associated with dolerite intrusions. • Only prominent hill is Groot Rooiberg, on the southern site boundary. • Water table is 10m below the ground level during the winter months and consequently the site is dry throughout the year. • Founding conditions seen as relatively favourable, with excavatability seen as the main concern. • No mining has occurred on site, thus no undermined areas occur on site. There is, however occurrences of economic mineral deposits on the northern portion of the site. • The site is not situated on dolomitic land. • No contaminated soils were noted. The site is also not on or near a tailings dam. 			
Recommendation	<p>Although geotechnical conditions are expected to be favourable over the site, it is recommended that further, more detailed investigations are undertaken to confirm the assumed ground conditions given in this report.</p>			

Conditions on site are generally seen as favourable. However this report should be supplemented with a detailed geotechnical investigation.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • During construction up to 100 vehicles will travel to site in the morning peak hour, the majority travelling from the proposed construction camp along the R358. • Other transportation aspects relating to the proposed project, including access, internal circulation and abnormal vehicle transportation were investigated. • Report recommends primary access to the site to be via the R358 which links directly to the N7. • This route is appropriate for both legal vehicles as well as abnormal vehicles carrying the wind turbine components. • LWEF project will require a total of 167.9km of road to be constructed of which 32.51km are existing track roads that need to be upgraded. 			
Mitigation	<ul style="list-style-type: none"> • All abnormal loads must be transport under a permit • A route study be undertaken to confirm the most appropriate route to site • Dust suppression techniques should be utilized • Traffic Management Plan must be prepared once the Project advances to the preliminary phase. 			

Access route (option 4) via the R358 in combination with the N7 is the preferred route both for abnormal vehicles as well as other legal vehicles.

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	<ul style="list-style-type: none"> • Intent of evaluation is to ensure that the facility poses a low risk of detrimental impact on the SKA by using known radiated emission amplitudes of the Acciona AW3000/125 TH100 50Hz wind turbine. • Specific mitigation measures to be implemented on the AW3000/125 TH100 50Hz wind turbine in order to achieve 40 dB of attenuation has been reviewed and agreed by SKA South Africa as described in the Acciona Control Plan. • Due to natural terrain barriers and distance between facility and closest SKA unit, no degradation of performance is expected when mitigated AW 125 TH100A Acciona turbines are installed 			
Mitigation	<ul style="list-style-type: none"> • To verify overall windfarm emissions, ambient measurements should be done at the new site before construction starts. Tests points should be carefully selected based on test equipment sensitivity with the objective to observe the increase in ambient emissions as construction progresses. • Final site tests will be done on completion of the project to confirm the radiated emission levels. Although not anticipated, proper mitigation measures on identified emitters will be studied and implemented if final test shows emissions exceeding the SKA threshold. 			

- A different turbine will be used for the proposed development.
- This turbine would have to be subjected to the same EMI and RFI studies.
- More accurate EMI and RFI studies will thus be required and undertaken when a final turbine has been selected and the layout finalised.
- Prior to construction a new path loss and risk assessment will also be undertaken based on a final layout, using a worst case scenario turbine and approved by the SKA before any turbines are installed on the proposed site.
- These studies can only be undertaken once Mainstream have selected a final turbine and have undertaken the final modelling.
- As such, Mainstream have suggested that the DEA include a condition that further modelling and EMI and RFI studies be undertaken once the final turbine has been chosen.
- Mainstream will continue to engage with SKA accordingly throughout this process.

LAYOUT ALTERNATIVES

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

PUBLIC PARTICIPATION





DISCUSSION

SiVEST Environmental Division

PO Box 2921

Rivonia

2128

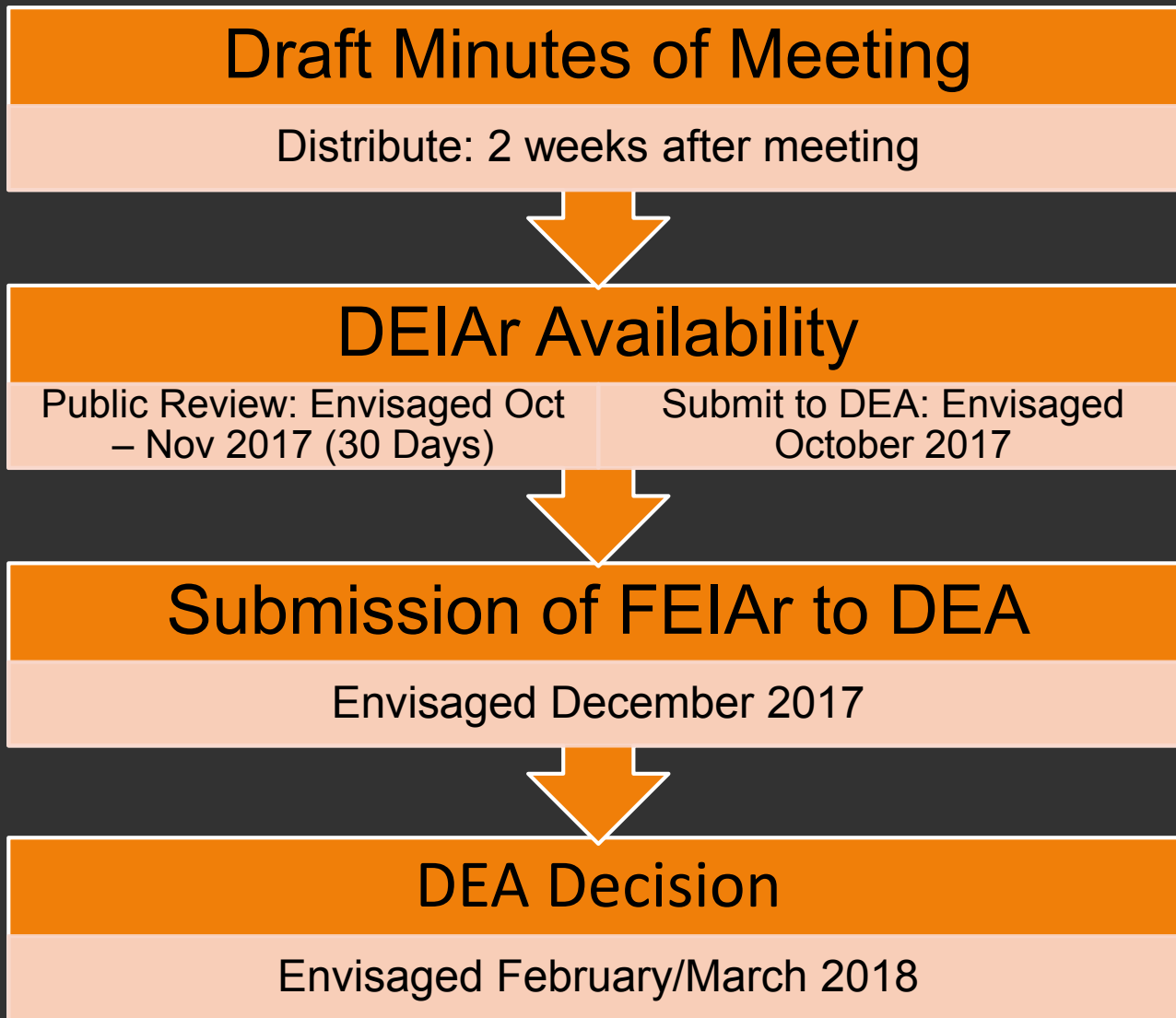
Stephan Jacobs/ Nicolene Venter

 Phone: (011) 798 0600

 Fax: (011) 803 7272

 E-mail: stephanj@sivest.co.za / nicolene@imaginativeafrica.co.za

 Website: www.sivest.co.za



DISCUSSION DOCUMENT



ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPRs) FOR THE FOUR (4) PROPOSED MAINSTREAM WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref.	Hartebeest Leegte windplaas	14/12/16/3/3/2/1015
	Ithemba Windplaas	14/12/16/3/3/2/1016
	Graskoppies Windplaas	14/12/16/3/3/2/1017
	!Xha Boom	14/12/16/3/3/2/1018

DEA Ref for Grid Connection: To be issued

DRAFT DISCUSSION DOCUMENT

**Focus Group Meeting: Landowners
NG Church Hall, Church Street, Loeriesfontein**

Wednesday, 01 November 2017

TABLE OF CONTENTS

1.	Water Related Comments/Issues	3
2.	Socio-Economic Related Comments/Issues	3
3.	Power Line Corridor Related Comments/Issues.....	3
4.	Contract Related Comments/Issues	3
5.	Technical Related Comments/Issues.....	4
6.	Other Mainstream General Related Comments/Issues	5

Comments / concerns / issues have been categorised according to environmental impact and thereafter according to SURNAME.

The comments / concerns / issues captured are not verbatim, but a summary

LIST OF ABBREVIATIONS

BID	Bidding Process	DEA	Department of Environmental Affairs	EA	Environmental Authorisation
LO	Landowner	MW	Megawatt	SKA	Square Kilometre Array
SS	Substation				

Issue/Comment	Raised By	Response
1. Water Related Comments/Issues		
The project team was informed that the water source in the area is very low and under extreme strain.	Louw, Albie Landowner: Hartebeest Leegte	Water source is one of the main concerns that is being assessed and needs to be addressed. Currently a combination of boreholes and “trucking-in” water is being considered. A full water study will be undertaken. It was also mentioned that from an engineering point of view this problem could be solved from a designing point of view. Rebecca Thomas, Mainstream Renewable
2. Socio-Economic Related Comments/Issues		
The project team was informed that there is a five (5) year lease agreement on the property.	Louw, Albie Landowner: Hartebeest Leegte	At this stage of the project, and if the LO agrees, the lease agreement can be extended. Rebecca Thomas, Mainstream Renewable
It was enquired where will the construction workers be housed as it seems that Kliprand is closer than Loeriesfontein.		At this stage, only Loeriesfontein is being considered as the infrastructure in Kliprand is not feasible. Rebecca Thomas, Mainstream Renewable
It was enquired whether a Mainstream Employee will be permanently based in Loeriesfontein.		Mainstream’s current employee, Mr Devon Steenkamp, will also be responsible for the Leeuwberg Projects. It is not envisaged that a person will be based on site as maintenance issues will be attended to as and when required. Rebecca Thomas, Mainstream Renewable
3. Power Line Corridor Related Comments/Issues		
It was enquired how the power connection is being proposed from the development on his property to the Helios SS.	Louw, Albie Landowner: Hartebeest Leegte	A detailed routing has not yet been determined, but the corridor as presented, in consultation with the LOs will be submitted to the DEA for decision-making. Rebecca Thomas, Mainstream Renewable
4. Contract Related Comments/Issues		
It was enquired whether Mainstream will amend the contract between themselves and the LO should there be any changes regarding MW electricity output.	Louw, Albie Landowner: Hartebeest Leegte	It was confirmed that should there be any changes, whether technical or power outputs, this will be discussed with the LO and amended contracts will be drawn up and signed by both parties.

Issue/Comment	Raised By	Response
		Rebecca Thomas, Mainstream Renewable
5. Technical Related Comments/Issues		
It was enquired whether the area where the wind turbines will be erected would be fenced off or the whole farm.	Burden, Hein Landowner: Georgs Vley	The area where the wind turbines will be erected will not be fenced off. However, should there be a need to replace / repair the farm fence (especially to protect the infrastructure), Mainstream will discuss the matter with the LO to determine the type and standard of the fence and any financial matters related to this activity. The above is also relevant to any access roads that might be required on the property. Rebecca Thomas, Mainstream Renewable
It was asked who will be responsible for maintaining the farm fence of the farm as well as that of the substations being proposed on the property.		This will be the responsibility of Mainstream, in consultation with the LO. Rebecca Thomas, Mainstream Renewable
It was recommended that should there be a need for any changes on the property i.e. new access road, etc, that this be discussed with the LO.	Louw, Albie Landowner: Hartebeest Leegte	It was confirmed that should there be any changes on properties, that these will be done in liaison with the registered LO. Rebecca Thomas, Mainstream Renewable
It was enquired as to what type of turbines are being proposed for this development i.e. the same as in Porterville.		Technology has changed since the first wind farm developments and are being changed as new and improved technology is being developed to ensure maximum output. Rebecca Thomas, Mainstream Renewable
In terms of the ratio between the blade length, distance between ground and blade tip and wind speed whether there could be any damage to the blade in strong wind.		Current technical studies indicated that the best results for electricity generation would be a blade length of 160m. To prevent damages to the blades, the hub will be automatically turned off (slow stay position) to prevent possible damage to the blades. Rebecca Thomas, Mainstream Renewable


Issue/Comment	Raised By	Response
It was enquired whether the Helios SS has sufficient capacity to carry all the proposed renewable energy projects in the area.		Helios MTS capacity would be reached should the Leeuwig Projects be approved. Rebecca Thomas, Mainstream Renewable
6. Other Mainstream General Related Comments/Issues		
It was enquired what can be done to expedite the possible approval of the four (4) Leeuwig Windfarm Projects.	Nel, Hermanus Landowner: Hartebeest Leegte	According to the current information available it seems that the BID date for this round of submissions is early 2019. Taking all the licencing processes into consideration there could be a 6 to 8 month's saving. Rebecca Thomas, Mainstream Renewable
It was commented that the 2019 elections could have an impact on the projects BID timeframe.	Louw, Albie Landowner: Hartebeest Leegte	The comment has been noted. Nicolene Venter, Imaginative Africa
It was asked as to what power does Eskom have to stop this proposed development.		The authority that does have the power / right to stop this proposed development is the DEA, the competent authority who will grant or refuse an EA. Rebecca Thomas, Mainstream Renewable
It was asked what impact will Prospecting Applications have on the proposed development.		The team is currently not aware of any Prospecting Applications lodged against any of the proposed properties. Prospecting Applications also need to go through a consultation process. Rebecca Thomas, Mainstream Renewable
It was enquired what was the end decision regarding the SKA objection submitted for the Dwarsrug Project.		The objection was attended to and approval has been granted for the Dwarsrug Project. Rebecca Thomas, Mainstream Renewable
It was asked when is the operational date for the Dwarsrug Project.		The envisaged date is 7 December 2017. Should this event be recorded visually, a copy of the video will be sent to the LOs. Rebecca Thomas, Mainstream Renewable



Appendix 7H
Landowner Notifications and Consent


LANDOWNER CONSENT FORM

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED DEVELOPMENT OF THE GRASKOPPIES WIND FARM NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Property Details:	Portion 1 of the Farm Hartebeest Leegte No 216
Registered Title Deed Owner	HERMANUS ALBERTUS LOUW
Full name(s) & Surname of Owner/Occupier/Legal Representative of land:	HERMANUS ALBERTUS LOUW
Identification Number:	5710025060087
Postal Address:	Postbus 50
	Loeriesfontein 8185
Telephone Number:	027 5011 045
Fax Number:	—
Cell Phone Number:	083 236 8911
E-mail Address:	J taaboshok @ g mail. com
SIGNATURE	

LANDOWNER CONSENT FORM

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE PROPOSED DEVELOPMENT OF THE GRASKOPPIES WIND FARM NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Property Details:	Portion 2 of the Farm Graskoppies No 176
Registered Title Deed Owner	
Full name(s) & Surname of Owner/Occupier/Legal Representative of land:	Nicolaas Hendrik Louw
Identification Number:	690125 5154 083
Postal Address:	Postbus 184 Loeriesfontein 8185
Telephone Number:	027 6629800
Fax Number:	
Cell Phone Number:	082 7747315
E-mail Address:	lounic@vodamail.co.za
SIGNATURE	



Appendix 7I
Distribution to Organs of State

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DISTRIBUTION OF THE WIND FARM FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT (FEIAR) TO ORGANS OF STATE FOR COMMENT

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
HANTAM LOCAL MUNICIPALITY					
Mr	Van Wyk	Riaan	Environmental Officer	Private Bag X14 CALVINIA 8190	municipalmanager@hantam.gov.za socialdev1@hantam.gov.za
KHAI-MA LOCAL MUNICIPALITY					
Mr	Isaacs	Obakeng	Municipal Manager	PO Box 108 Pofadder 8890	munman@khaima.gov.za
Mr	Josop	P	Land Use Officer	PO Box 108 Pofadder 8890	commonage@khaima.gov.za
NAMAKWA DISTRICT MUNICIPALITY					
Mr	Loubser	Jannie	Manager: Planning	Private Bag X20 SPRINGBOK 8240	janniel@namakwa-dm.gov.za
DEPARTMENT OF ENVIRONMENTAL AFFAIRS BIODIVERSITY					
Mr	Lekota	Seoka		Private Bag X447 Pretoria 0001	slekota@environment.gov.za
Mr	Rabothata	Mmatlala		Private Bag X447 Pretoria 0001	slekotamrabothata@environment.gov.za
AGRI SA-NORTHERN CAPE					
Mr	Myburg	Henning	General Manager	PO Box 1094 KIMBERLEY 8300	henning@agrink.co.za
DEPARTMENT OF WATER AND SANITATION					
Ms	Makungo	Ester	Environmental Officer	Private Bag X6101 KIMBERLEY 8300	makungoe@dws.gov.za
Mr	Mahunonyane	Moses	Director: Institutional Establishment	Private Bag X6101 KIMBERLEY 8300	MahunonyaneM@dws.gov.za
NORTHERN CAPE DEPARTMENT OF AGRICULTURE, LAND REFORM & RURAL DEVELOPMENT					
Mr	Steenkamp	Gert		P.O.Box 65 CALVINIA 8190	gsteenkamp@ncpg.gov.za

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DISTRIBUTION OF THE WIND FARM FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT (FEIAR) TO ORGANS OF STATE FOR COMMENT

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES					
<i>Provincial Department</i>					
Mrs	Collett	Anneliza		Private Bag X120 PRETORIA 0001	ThokoB@nda.agric.za
Ms	Buthelezi	Thoko	Directorate Land Use and Soil	Private Bag X120 PRETORIA 0001	ThokoB@nda.agric.za
DEPARTMENT OF MINERAL RESOURCES (DMR)					
Mr	Muila	Vincent		Private Bag x6093 KIMBERLEY 8300	
Mr	Sekepane	Rasibe		Private Bag x6093 KIMBERLEY 8300	
NORTHERN CAPE DEPT OF ENVIRONMENT AND NATURE CONSERVATION					
Mr	Fisher	Brian	Director Environmental Impact Management	Private Bag X86102 KIMBERLEY 8300	bfisher@ncpg.gov.za
NORTHERN CAPE DEPT OF SPORT, ARTS & CULTURE: Heritage Resources Unit					
Mr	Lenyibi	Patrick	Manager: Heritage Resources	Private Bag X5004 KIMBERLEY 8300	plenyibi@ncpg.gov.za
SANRAL - WESTERN REGION					
Ms	Abrahams	Nicole	Environmental Coordinator	Private Bag X19 BELLVILLE 7535	abrahamsn@nra.co.za
NORTHERN CAPE DEPARTMENT OF ROADS AND PUBLIC WORKS					
Mr	Roelofse	Jaco	Director: Planning & Design	PO Box 3132 Kimberley 8300	roelofse.j@vodamail.co.za
SAHRA: HEAD OFFICE					
Ms	Higgitt	Natasha	Heritage Officer: Northern Cape	PO Box 4637 CAPE TOWN 8000	nhiggitt@sahra.org.za
ESKOM					
Mr	Geeringh	John	Chief Planner	PO Box 1091 JOHANNESBURG 2000	GeerinJH@eskom.co.za
SQUARE KILOMETRE ARRAY					

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DISTRIBUTION OF THE WIND FARM FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT (FEIAR) TO ORGANS OF STATE FOR COMMENT

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
Dr	Tiplady	Adriaan	Manager: Site Categorisation	PO Box 522 SAXONWOLD 2132	atiplady@ska.ac.za
SA CIVIL AVIATION AUTHORITY (SA CAA)					
Ms	Stroh	Lizell	Obstacle Specialist	Private Bag X73 HALFWAY HOUSE 1685	strohl@caa.co.za
AIR TRAFFIC AND NAVIGATION SERVICES (ATNS)					
Ms	Morobane	Johanna	Manager: Corporate Sustainability and Environment	Private Bag X15 KEMPTON PARK 1620	JohannaM@atns.co.za
Ms	Masilela	Simphiwe	Obstacle Evaluator	Private Bag X15 KEMPTON PARK 1620	SimphiweM@atns.co.za
TRANSNET FREIGHT RAIL					
Mr	Fiff	Sam	Environmental Manager: Freight Rail	PO Box 255 BLOEMFONTEIN 9300	sam.fiff@transnet.net
SENTECH					
Mr	Koegelenberg	Johan	Renewable Projects	Private Bag X06 Honeydew 2040	koegelenbergj@sentech.co.za
TELKOM					
Ms	Spammer	Candice	Western Cape Region	Private Bag X20700 BLOEMFONTEIN 9300	SpammerC1@telkom.co.za
Mr	Bester	Amanda	Wayleave Officer	Private Bag X20700 BLOEMFONTEIN 9300	WayleaCR@telkom.co.za BesterAD@telkom.co.za
Ms	van den Heever	Heleen	Ops Manager Central Region	Private Bag X20700 BLOEMFONTEIN 9300	vdheevhd@telkom.co.za

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DISTRIBUTION OF THE WIND FARM FINAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT (FEIAR) TO ORGANS OF STATE FOR COMMENT

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
ENDANGERED WILDLIFE TRUST					
Mr	Leeuwner	Lourens	Renewable Energy Project Manager	Private Bag X11, Modderfontein, 1609, Johannesburg	lourensl@ewt.org.za
Ms	Golding	Marianne	Administrator	Private Bag X11, Modderfontein, 1609, Johannesburg	
WESSA					
Mr	Griffiths	Morgan	Environmental Governance Programme Manager	PO Box 12444, Centrahil, Port Elizabeth, 6006, South Africa	morgan.griffiths@wessa.co.za
BIRDLIFE SOUTH AFRICA					
Ms	Stevens	Candice	Policy Manager	PO Box 515 RANDBURG 2125	advocacy@birdlife.org.za
Ms	Ralston	Samantha		PO Box 515 RANDBURG 2125	
South African Astronomical Observatory					
Prof	Ted	Williams	Director	PO Box 9 OBSERVATORY 1935	williams@sao.ac.za
Mr	Chris	Coetzee	Technical Operations Manager Sutherland Site	PO Box 25 SUTHERLAND 6920	chris@sao.ac.za