

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?"

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 potensiele 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.

PROJEKLIGGING

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: hlengiwen@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: sivest_PPP
Sent: Thursday, December 14, 2017 4:54 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmothlomi@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – stephanj@sivest.co.za/
hlengiwen@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 andrag@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)

Stephan Jacobs

From: sivest_PPP
Sent: Thursday, December 14, 2017 4:49 PM
Cc: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Subject: 13622 Proposed Substations and Power Lines for the Wind Farms near Loeriesfontein: DBAR Comment Period Starting

******* 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,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132kV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132kV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line**
– (DEA Ref No.: To be Announced)
- **132kV Hartebeest Leegte Substations and Power Line**
– (DEA Ref No.: To be Announced)
- **132kV Ithemba Substations and Power Line**
– (DEA Ref No.: To be Announced)
- **132kV !Xha Boom Substations and Power Line**
– (DEA Ref No.: To be Announced)

• AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be made available for public review and comment as from **Thursday 14 December 2017** to **Monday 05 February 2018** (before end of business day). Hard copies of the DBARs are available at the following venue:

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

The reports as well as the accompanying appendices are also available on SiVEST's website: <http://www.sivest.co.za/>, click on downloads, then browse to the folder '13622 Mainstream Substations and Power Lines'.

Attached are English and Afrikaans letters notifying you of the availability of the reports, including Comment Forms.



13622 DBAR



13622 DBAR



13622_Mainstream

Notification Lett... Notification Lett... Leeuwberg Gri...

We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

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

Kind Regards

.....
ONDERWERP: 13622 Voorgestelde Substasies en Kraglyne vir doe Windplase naby Loeriesfontein: KBEV Kommentaar
Periode Begin

Geagte Belangstellende en/of Geaffekteerde Party,

**BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE 132KV MAINSTREAM SKAKEL
SUBSTASIE EN VIER (4) 132KV OP PERSEEL ESKOM SUBSTASIES EN KRAGLYNE NABY LOERIESFONTEIN,
NOORD-KAAP PROVINSIE**

- **132kV Graskoppies Substasies en Kraglyn**
– (DEA Verwysings No.: Moet nog aangekondig word)
- **132kV Hartbeest Leegte Substasies en Kraglyn**
– (DEA Verwysings No.: Moet nog aangekondig word)
- **132kV Ithemba Substasies en Kraglyn**
– DEA Verwysings No.: Moet nog aangekondig word)
- **132kV !Xha Boom Substasies en Kraglyn**
– DEA Verwysings No.: Moet nog aangekondig word)

• **BESKIKBAARHEID VAN DIE KONSEP BASIESE EVALUERINGSVERSLAE VIR OPENBARE OORSIG**

SiVEST is in die proses om die Basiese Evaluering (BE's) vir die voorgestelde ontwikkeling van die bogenoemde Substasies en Kraglyne naby Loeriesfontein in die Noord-Kaap Provinsie te onderneem.

Ons lig u graag hiermee in dat die Konsep Basiese Evalueringsverslae (KBEV's) vir die bogenoemde projekte, ooreenkomstig die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Donderdag 14 Desember 2017** tot **Maandag 05 Februarie 2018** (voor die einde van die werksdag) beskikbaar gemaak sal wees vir openbare oorsig en kommentaar. Gedrukte kopieë van die KBEV's is beskikbaar by die plek wat hieronder genoem word:

PLEK	STRAATADRES	TYE	KONTAKNOMMER
Loeriesfontein Biblioteek	Mainstraat, Loeriesfontein	Maandae – Vrydae 14h00 – 17h00	027 662 8607

Die verslae sowel as die meegaande aanhangsels is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za>. Klik op 'Downloads' en soek dan vir die gids '13622 Mainstream Substations and Power Lines'.

Aangeheg is Engelse en Afrikaanse briewe wat u inlig oor die beskikbaarheid van die verslae, insluitende Kommentaarvorms.

Ons versoek u vriendelik om u kommentaar by die publieke deelnemende kantoor in te dien by die onderstaande besonderhede, voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag). SiVEST sal enige kommentaar wat na die openbare kommentaar en oorsigperiode ontvang word, direk aan die betrokke saakbeampte by die Departement van Omgewingsake (DEA) stuur.

Indien u enige vrae of navrae het, moet asseblief nie huiwer om ons te kontak by:

Stephan Jacobs / Hlengiwe Ntuli

Posbus 2921, Rivonia, 2128

Tel – (011) 798 0600

Faks – (011) 803 7272

E-pos – stephanj@sivest.co.za / hengiwen@sivest.co.za

Vriendelike groete,

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 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)

DEA Reference: TBC
Our reference: 13622 – Grid
Date: 14 December 2017

Via Post

Dear Stakeholder,

BASIC ASSESSMENTS (BAs) FOR THE PROPOSED CONSTRUCTION OF THE 132kV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132kV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **Graskoppies Substations and Power Lines – (DEA Ref No: To be announced)**
- **Xha! Boom Substations and Power Lines – (DEA Ref No: To be announced)**
- **Hartebeest Leegte Substations and Power Lines – (DEA Ref No: To be announced)**
- **Ithemba Substations and Power Lines – (DEA Ref No: To be announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Mainstream Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

Please find herewith enclosed an electronic copy (on CD) of the DBARs as well as the accompanying appendices. We kindly request that you submit your comments to Public Participation Office at the below details, on or before **Monday 05 February 2018** (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

Yours sincerely,



Andrea Gibb
Senior Manager
SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) containing the four (4) DBARs

U verwysing
Ons verwysing 13622 – Grid
Datum 14 Desember 2017

Geagte Belangstellende en/of Geaffekteerde Party,

BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE 132KV MAINSTREAM SKAKEL SUBSTASIE EN VIER (4) 132KV OP PERSEEL ESKOM SUBSTASIES EN KRAGLYNE NABY LOERIESFONTEIN, NOORD-KAAP PROVINSIE

- **132kV Graskoppies Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)**
 - **132kV Hartbeest Leegte Substasies en Kraglyn – (DEA Verwysings No.: Moet nog aangekondig word)**
 - **132kV Ithemba Substasies en Kraglyn – DEA Verwysings No.: Moet nog aangekondig word)**
 - **132kV !Xha Boom Substasies en Kraglyn – DEA Verwysings No.: Moet nog aangekondig word)**
- **BESKIKBAARHEID VAN DIE KONSEP BASIESE EVALUERINGSVERSLAE VIR OPENBARE OORSIG**

SIVEST is in die proses om die Basiese Evaluering (BE's) vir die voorgestelde ontwikkeling van die bogenoemde Substasie en Kraglyne naby Loeriesfontein in die Noord-Kaap Provinsie te onderneem.

Ons lig u graag hiermee in dat die Konsep Basiese Evalueringsverslae (KBEV's) vir die bogenoemde projekte, ooreenkomstig die Nasionale Wet op Omgewingsbestuur (NEMA) (soos gewysig), vanaf **Donderdag 14 Desember 2017 tot Maandag 05 Februarie 2018** (voor die einde van die werksdag) beskikbaar gemaak sal wees vir openbare oorsig en kommentaar. Gedrukte kopieë van die KBEV's is beskikbaar by die plek wat hieronder genoem word:

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

Die verslae sowel as die meegaande aanhangsels is ook beskikbaar op SIVEST se webwerf: <http://www.sivest.co.za>. Klik op 'Downloads' en soek dan vir die gids '13622 Mainstream Substations and Power Lines'. Elektroniese kopieë kan ook by die Omgewingsevalueringpraktisyns hieronder versoek word. Indien u kommentaar oor die verslae wil lewer, moet u dit asseblief direk by SIVEST voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag) indien. Alle kontakbesonderhede word hieronder verskaf.

SIVEST Environmental

Stephan Jacobs / Hlengiwe Ntuli
Posbus 2921
Rivonia
2128
Tel: 011 798 0600
Faks: 011 803 7272
E-pos: stephanj@sivest.co.za /
hlengiwen@sivest.co.za

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

Indien B&GP's en belanghebbers kommentaar oor die KBEV's wil indien, versoek SIVEST dringend dat hierdie skriftelike voorleggings ons voor of op **Maandag 05 Februarie 2018** (voor die einde van die werksdag) bereik.

SiVEST sal enige kommentaar wat na die openbare kommentaar en oorsigperiode ontvang word, direk aan die betrokke saakbeampte by die Departement van Omgewingsake (DEA) stuur.

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

Vriendelike groete



Andrea Gibb
Senior Bestuurder
SiVEST Omgewingsafdeling

Aangehegte dokumentasie: KBEVs Kommentaarvorms

Your reference

Our reference 13622 - Grid

Date 14 December 2017

Dear Interested and/or Affected Party / Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

• AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORTS FOR PUBLIC REVIEW

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be made available for public review and comment as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day). Hard copies of the DBARs are available at the following venue:

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

The reports as well as the accompanying appendices are also available on SiVEST's website: <http://www.sivest.co.za/>, click on Downloads, then browse to the folder '13622 Mainstream Substations and Power Lines'. Electronic copies can also be requested from the Environmental Assessment Practitioners (EAPs) below. Should you wish to comment on the reports, please submit these directly to SiVEST on or before **Monday 05 February 2018** (before end of business day). All contact details are provided below.

SiVEST Environmental

Stephan Jacobs / Hlengiwe Ntuli
PO BOX 2921
Rivonia
2128
Tel: 011 798 0600
Fax: 011 803 7272
Email: stephanj@sivest.co.za /
hlengiwen@sivest.co.za

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

Should I&APs and stakeholders wish to submit comments on the DBARs, SiVEST urges that these written submissions reach us on or before **Monday 05 February 2018** (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).

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

Kind Regards

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

Andrea Gibb
Senior Manager
SiVEST Environmental Division

Documents attached: DBAR Comment Form

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)

Stephan Jacobs

From: sivist_PPP
Sent: Wednesday, January 31, 2018 8:36 AM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhom@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ending
Importance: High

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Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects is **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (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



13622 DBAR

Notification Lett...



13622 DBAR

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 andreaq@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: 14 December 2017 04:54 PM

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

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
<morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
<commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
<Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko
Buthelezi' <ThokoB@daff.gov.za>; 'Mmatlala Rabothata' <mrabothata@environment.gov.za>; 'Marianne Golding'
<marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'
<advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan
Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@saa.ac.za>; 'Samantha Ralston-Paton'
<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'
<MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner'
<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'
<spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse'
<roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>;
'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'
<ruth.cuttings@yahoo.com>; 'kmotlhomi@ncpg.gov.za' <kmotlhomi@ncpg.gov.za>; 'lefleurd@dws.gov.za'
<lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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- 132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online ([http://www.sivest.co.za/](http://www.sivest.co.za) click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /
hlengiwen@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)

Stephan Jacobs

From: sivist_PPP
Sent: Thursday, February 22, 2018 4:16 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomini@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ended
Importance: High
Follow Up Flag: Follow up
Flag Status: Completed

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Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects was **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments if not done already.

If you do not have any comments please reply to the email and indicate so.

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,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator
SiVEST Environmental Division



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



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

From: sivest_PPP

Sent: 31 January 2018 08:36 AM

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

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
<morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
<commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
<Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetsee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko Buthelezi'
<ThokoB@daff.gov.za>; 'Mmatlala Rabothata' <mrabothata@environment.gov.za>; 'Marianne Golding'
<marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'
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<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'
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<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'
<spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse'
<roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>;
'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'
<ruth.cuttings@yahoo.com>; 'kmotlhoml@ncpg.gov.za' <kmotlhoml@ncpg.gov.za>; 'lefleurd@dws.gov.za'
<lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs
Comment Period Ending

Importance: High

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Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (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

<< File: 13622 DBAR Notification Letter IAPs (Afr).pdf >> << File: 13622 DBAR Notification Letter IAPs (Eng).pdf >>

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

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

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Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272
 email andreaq@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: 14 December 2017 04:54 PM

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

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
 <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
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Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /
hlengiwen@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)



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)
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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:

PROJEKBESKRYWING

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.

PROJEKLIIGING

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 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

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 RIVONIA 2128	Tel: (011) 798 0600 Fax: (011) 803 7272 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, Johnny Klein, wat die rol van Dirk Ligter sal vertolk, Anna Davel en Chris Chameleon as Izak.

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 veer 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 sweetvoshare; Ek is verlief op die kind. Boerneef, "Voshaarnooi" getoonset deur Louis van Rensburg. Hierdie (nou reeds welbekende) woorde verskyn in 1959 in een van Boerneef se gedigte in sy tweede bundel Ghaap en kambro.

In 1986 skep Louis van Rensburg die ikoniese lied Voshaarnooi deur drie van Boerneef se gedigte te kombineer en te toonset. Voshaarnooi word gebruik as 'n temalied vir die televisiereeks 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 Chameleon, Anna Davel, Johnny Klein en Daniella Deysel deel die verhoog met Jaco Nell Mouton (musikale regisseur), Mauritz Lotz en Riaan van Rensburg. Frans Swart het die teks geskryf en hanteer ook die regie.

Flennie die Snare word aangebied met die ruim ondersteuning van die Innibos Laeveldse Nasionale Kunstefees.

Boerneef, die skrywersnaam van Izak 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 studeer, 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 oekwaam. In die dertigerjare is hy een van die leidende figure in die Kaapse letterkundige 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 Vereniging 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. Bosman (en later ook L.W. Hiemstra) 'n Tweetalige Woordboek vir Engels en Afrikaans saam te stel, wat dan ook die standaardwerk op hierdie gebied 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 Universiteit van Kaapstad.

Boerneef was 'n woordkunstenaar wat taal soos 'n instrument hanteer het, en ontvang hy in 1963 postuum die Hertzog-prys vir poësie.

DRAWERS

CALVINIA – Sewentien atlete het deelgeneem aan die Hantam 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. Raymond Julies 19.31; 5. Brandley Witbooi 19.40; 6. Leonardo Opperman 20.15; 7. Randal 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 Francois Heunis 079 772 7858.



SIVEST
Environmental Division



Gestig in 1952

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

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Hlengiwe Ntull or Stephan Jacobs	
SIVEST Environmental Posbus 2921 RIVONIA 2128	Telefoon: 011 798 0600 Faks: 011 803 7272 E-pos: hlengiwen@sivest.co.za of stephanj@sivest.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 gekwalifiseerde 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
- > Tegnieese agtergrond
- > Kennis van basiese arbeidswerk en algemene onderhoude werke.
- > Goeie gesondheid.
- > Vermoë om in uiterste weersomstandighede te kan werk.

VERANTWOORDELIKHEDE:

- > 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, 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 Privatsak X14
Epos: municipalmanager@hantam.gov.za Calvinia 8190

Hantam Munisipaliteit behou die reg voor om nie 'n aanstelling 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:

1. 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:
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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:

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J.R. van Wyk
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Fax No. 027 341 8501

Municipal Offices
Private Bag X14
CALVINIA 8190

ADMINISTREER 240 STUDIEFONDSE

Helpende Hand se R40 miljoen

CENTURION – Die Studiefondscentrum, '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 onbekombaar. Vir weeskinders sonder ondersteuningsnetwerke en vele ander behoeftige jong mense is die Studiefondscentrum die enigste hoop tot verdere opleiding.

Danie Brink, uitvoerende hoof van Solidariteit Helpende Hand, sê dat die Studiefondscentrum 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 administreer 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 Studiefondscentrum 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 Studiefondscentrum het dit byna 100% van jaar tot jaar gegroei. Die Studiefondscentrum hoop om teen 2020, R100 miljoen te bewillig om Afrikaanse studente se toegang tot hoër onderwys te bevorder. 'n Klomp aan die regte deur – die Studiefondscentrum se deur, kan dalk net iemand se armoede breek of voorkom.

Só bou Solidariteit voort aan ons monument vir Afrikaanse 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

SIVEST
Established 1952

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:

Hlangiwe Ntull or Stephan Jacobs
SIVEST Environmental
P O Box 2921
RIVONIA
2128
Tel: 011 798 0600
Fax: 011 803 7272
E-mail: hlangiwen@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 onderhouddeswerke.
- > 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
Tel: 027 341 8500
Faks: 027 341 8501
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**

Hlengiwe Ntuli

From: Hlengiwe Ntuli
Sent: 27 July 2017 10:02 AM
To: 'Sekwaila Kwena Khutjo (KBY)'
Cc: Mahlako Richard (KBY); Damane Refilwe (KBY)
Subject: RE: Wind Farm EIA X4
Attachments: A3_13622_GL_RegionalContext_23May2017_Reduced.jpg; A3_13622_HL_RegionalContext_23May2017_Reduced.jpg; A3_13622_IL_RegionalContext_23May2017_Reduced.jpg; A3 13622 XS RegionalContext Reduced.jpg

Good Day Kwena,

Please note that the four wind farms are located approximately 70km north of Loeriesfontein in the Northern Cape Province.

Please also find attached the regional locality map for each project.

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0690 **Tel** +27 11 798 0600 **fax** +27 11 803 7272
email hlengiwen@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)

From: Sekwaila Kwena Khutjo (KBY) [mailto:SekwailaK@dws.gov.za]
Sent: 26 July 2017 01:49 PM
To: Hlengiwe Ntuli <HlengiweN@sivest.co.za>
Cc: Mahlako Richard (KBY) <MahlakoR@dws.gov.za>; Damane Refilwe (KBY) <DamaneR@dws.gov.za>
Subject: RE: Wind Farm EIA X4

Afternoon,

Can you please help us help you by informing us where the proposed project will be based?

Regards

Khutjo Sekwaila (Pr.Sci.Nat.)
Department of Water and Sanitation
Orange – Proto CMA
Northern Cape Region: Kimberley
Office: B32
28 Central Road, Beaconsfield, 8301
Tel: 053 836 7609

CLEAR RIVERS during Mandela Month 2017

Visit our website to find out how you can get involved and support the CLEAR RIVERS campaign - www.dws.gov.za

WATER IS LIFE - SANITATION IS DIGNITY



water & sanitation
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA



From: Hlengiwe Ntuli [<mailto:HlengiweN@sivest.co.za>]

Sent: Wednesday, 26 July 2017 10:04 AM

To: Adeyileka Esther Thivhonalali(KBY)

Cc: Sekwaila Kwena Khutjo (KBY); Mahlako Richard (KBY); Damane Refilwe (KBY); Moalosi Kelebogile(KBY)

Subject: RE: Wind Farm EIA X4

Good Morning Ester,

Thanks a lot for your comments.

Will forward to the relevant department.

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator

SiVEST Environmental Division



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Direct +27 11 798 0690 Tel +27 11 798 0600 fax +27 11 803 7272

email hlengiwen@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)

From: Adeyileka Esther Thivhonalali(KBY) [<mailto:AdeyilekaE@dws.gov.za>]

Sent: 25 July 2017 04:04 PM

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

Cc: Sekwaila Kwena Khutjo (KBY) <SekwailaK@dws.gov.za>; Mahlako Richard (KBY) <MahlakoR@dws.gov.za>;

Damane Refilwe (KBY) <DamaneR@dws.gov.za>; Moalosi Kelebogile(KBY) <MoalosiK2@dws.gov.za>

Subject: Wind Farm EIA X4

Good day;

The proposed applications fall in the Lower orange, i have given the document to Lebo so that LO (copied) staff can assist you further.

Regards;
Esther

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Stephan Jacobs

From: Nicolene Venter <nicolene@imaginativeafrica.co.za>
Sent: Thursday, October 26, 2017 4:56 PM
To: williams@sao.ac.za; chris@salt.ac.za
Cc: Andrea Gibb; Stephan Jacobs; Shaun Taylor; Hlengiwe Ntuli
Subject: EIA: Proposed 4 Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province
Attachments: 13622 Mainstream Wind Farm Updates Notification Ver1 19 June 2017 AG.PDF; 13622 LEEUWBERG JUN 2017.pdf; 13622 Leeueberg Wind Farms EIA Newsletter_Rev 2_10Oct17 ST.PDF; A3_13622_AllWindProjects_Rev06Oct2017_Reduced.pdf

Dear Prof Williams and Mr Coetzee,

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

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

DEA Ref for Grid Connection: To be issued

SiVEST SA (Pty) Ltd was appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd as the Environmental Assessment Practitioner (EAP) for the above-mentioned projects. In October 2016, all interested and/or affected parties (I&APs) were invited to participate in the Environmental Impact Assessment (EIA) processes for the wind farm developments and the Basic Assessment (BA) processes for the associated grid connections and were sent a Background Information Document (BID). Since that communication there have been some changes to the proposed developments which include the following;

- The addition of a new power line assessment corridor;
- A change in the generation capacity of the wind farms; and
- A change in the maximum hub height and rotor diameter.

As such, the BID has been updated based on the above changes (dated 12 June 2017) and is attached for your perusal.

We had been running the public participation process for the EIA and BA processes concurrently but due to technical matters, the official legislated public participation process for the BA process will commence shortly. This information was shared with the registered stakeholders on the project's database through an EIA Newsletter. Please find attached, for your perusal, the EIA Newsletter sent on 12th of October 2017.

We would like to make use of this opportunity to inform you that the Draft Environmental Impact Assessment Reports (DEIARs) will soon be available for the South African Astronomical Observatory's review and comments.

Please do not hesitate to contact us should you require any additional information at this stage of the project.

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?"

Hlengiwe Ntuli

From: Nicolene Venter <nicolene@imaginativeafrica.co.za>
Sent: Monday, 04 December 2017 3:16 PM
To: Ramotholo Sefako
Cc: Andrea Gibb; Stephan Jacobs; Shaun Taylor; Hlengiwe Ntuli; Ted Williams; Petri Vaisanen; Chris Coetzee
Subject: RE: EIA: Proposed 4 Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province

Dear Dr Sefaco,

Please receive herewith acknowledgement of the SAAO comments on the above-mentioned proposed project.

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?"

-----Original Message-----

From: Ramotholo Sefako [mailto:rrs@sao.ac.za]
Sent: Monday, December 4, 2017 3:06 PM
To: Nicolene Venter <nicolene@imaginativeafrica.co.za>
Cc: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>; Shaun Taylor <ShaunT@sivest.co.za>; Hlengiwe Ntuli <HlengiweN@sivest.co.za>; Ted Williams <williams@sao.ac.za>; Petri Vaisanen <petri@sao.ac.za>; Chris Coetzee <chris@salt.ac.za>
Subject: Re: EIA: Proposed 4 Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province

Dear Ms Venter

Attached is the SAAO comments regarding your proposed four Mainstream Wind Farms and associated grid line connections near Loeriesfontein, Northern Cape.

Regards
Ramotholo

Dr Ramotholo Sefako
Head of Telescope Operations (TOPS)
South African Astronomical Observatory
PO Box 9, Observatory, 7935, South Africa
Tel: +27 21 460 9344 (work)
eMail: rrs@sao.ac.za

Andrea Gibb

Subject: FW: E-mail from Hantam LM FW: Loeriesfontein Son/windplase

From: Nicolene Venter

Sent: Tuesday, December 12, 2017 5:03 PM

To: 'Riana Lock - Admin2 (Hantam Municipality)' <admin2@hantam.gov.za>

Cc: 'Jl.Swartz-Municipal Manager(Hantam Municipality)' <municipalmanager@hantam.gov.za>

Subject: RE: Loeriesfontein Son/windplase

Hi Riana,

Wil net seker maak, as jy verwys na rolspelers is dit die ontwikkelaar? Indien wel, hiermee die kontakligting:

- Rebecca Thomas
Development Executive
Mainstream Renewable Power
Mariendahl House,
Newlands on Main
c/o Main Road & Campground
Claremont
7708
- Tel: 021 657 4040
- Cell: 072 452 0096
- E-mail: rebecca.thomas@mainstreamrp.com

Vriendelike groete,

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: Riana Lock - Admin2 (Hantam Municipality) [<mailto:admin2@hantam.gov.za>]

Sent: Tuesday, December 12, 2017 8:41 AM

To: Nicolene Venter <nicolene@imaginativeafrica.co.za>

Cc: 'Jl.Swartz-Municipal Manager(Hantam Municipality)' <municipalmanager@hantam.gov.za>

Subject: Loeriesfontein Son/windplase

Goeiedag Nicolene

Hiermee wil ek graag by jou verneem wie almal die rolspelers is by die nuwe ontwikkeling by Loeriesfontein. Die Munisipale Bestuurder wil so vroeg as kan in Januarie 2018 'n vergadering met die betrokke partye he. Sal bly wees as jy my so spoedig moontlik kan voorsien van die name/adresse/kontakbesonderhede.

Baie dankie. Mooi dag.

Riana Lock
Hantam

Stephan Jacobs

From: sivest_PPP
Sent: Thursday, December 14, 2017 4:54 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmothlomi@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli
PO BOX 2921, Rivonia, 2128
Tel – (011) 798 0600
Fax – (011) 803 7272
Email – stephanj@sivest.co.za/
hlengiwen@sivest.co.za

Kind Regards
Andrea Gibb
Senior Manager

SiVEST Environmental Division



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Direct +27 11 798 0638 **Tel** +27 11 798 0600 **fax** +27 11 803 7272
email andrag@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)

Stephan Jacobs

From: Hlengiwe Ntuli
Sent: Tuesday, December 19, 2017 8:58 AM
To: Stephan Jacobs; Natasha Higgitt; Andrea Gibb
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Follow Up Flag: Follow up
Flag Status: Completed

Good Morning Natasha,

Please note that new applications for Mainstream Substations and Power Lines have been created and all the relevant documents are uploaded.

Case numbers are as follows: Graskoppies 12077, Hartbeest Leegte 12078, IXha Boom 12081 and Ithemba 12082.

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
SIVEST Environmental Division



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Direct +27 11 798 0690 **Tel** +27 11 798 0600 **Fax** +27 11 803 7272
email HlengiweN@sivest.co.za **website** www.sivest.co.za

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

SIVEST offices will be closing for the Christmas and New Year holiday season break from 16h00 on Wednesday, 20th December 2017 and will re-open at 08h00 on Monday, 8th January 2018



From: Stephan Jacobs
Sent: Friday, 15 December 2017 10:57 AM
To: Natasha Higgitt; Andrea Gibb
Cc: Hlengiwe Ntuli
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review
Importance: High

Good Morning Mrs Higgitt,

SIVEST is in the process of creating an application on SAHRIS and uploading the relevant documents and will notify you via email when this has been completed.

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 cell +27 72 737 2114
email stephanj@sivest.co.za website www.sivest.co.za



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

SIVEST offices will be closing for the Christmas and New Year holiday season break from 16h00 on Wednesday, 20th December 2017
and will re-open at 08h00 on Monday, 8th January 2018

From: Natasha Higgitt [<mailto:nhiggitt@sahra.org.za>]

Sent: Friday, December 15, 2017 8:04 AM

To: Andrea Gibb; Stephan Jacobs

Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good morning,

Thank you for the notification. Please ensure that all the relevant documents are uploaded to an application on SAHRIS so that an official comment can be issued.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

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****Please note that SAHRA will be closed from the 27th December 2017 and will reopen on the 2 January 2018****

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www.sahra.org.za



From: "sivest_PPP" <sivest_ppp@sivest.co.za>
To: "Andrea Gibb" <AndreaG@sivest.co.za>, "Stephan Jacobs" <StephanJ@sivest.co.za>, "rebecca.thomas@mainstreamrp.com" <rebecca.thomas@mainstreamrp.com>, "Nicolene Venter" <nicolene@imaginativeafrica.co.za>
Cc: "John Geeringh" <GeerinJH@eskom.co.za>, "Heleen van den Heever" <vdheevhd@telkom.co.za>, "Morgan Griffiths" <morgan.griffiths@wessa.co.za>, "Obakeng Isaacs" <munman@khaima.gov.za>, "P Josop" <commonage@khaima.gov.za>, "Brian Fisher" <bfisher@ncpg.gov.za>, "Henning Myburg" <henning@agrink.co.za>, "Sam Fiff" <Francis.Rahlapane@transnet.net>, "Amanda Bester" <WayleaCR@telkom.co.za>, "Riaan Van Wyk" <socialdev1@hantam.gov.za>, "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Nicole Abrahams" <AbrahamsN@nra.co.za>, "Ted Williams" <williams@saa.ac.za>, "Chris Coetzee" <chris@salt.ac.za>, "Hettie Buys" <HettieB@daff.gov.za>, "Thoko Buthelezi" <ThokoB@daff.gov.za>, "Mmatlala Rabothata" <mrabothata@environment.gov.za>, "Marianne Golding" <marianneg@ewt.org.za>, "Simphiwe Masilela" <ObstacleEvaluators@atns.co.za>, "Candice Stevens" <advocacy@birdlife.org.za>, "Johanna Morobane" <JohannaM@atns.co.za>, "Lizell Stroh" <strohl@caa.co.za>, "Adriaan Tiplady" <atiplady@ska.ac.za>, "Ramatholo Sefako" <rrs@saa.ac.za>, "Samantha Ralston-Paton" <energy@birdlife.org.za>, "Gert Steenkamp" <gsteenkamp@ncpg.gov.za>, "Moses Mahunonyane" <MahunonyaneM@dws.gov.za>, "Johan Koegelenberg" <KoegelenbergJ@sentech.co.za>, "Lourens Leeuwner" <lourensl@ewt.org.za>, "Stanley Tshitwamulomoni" <StanleyT@environmental.gov.za>, "Candice Spammer" <spammec1@telkom.co.za>, "Seoka Lekota" <slekota@environment.gov.za>, "Jaco Roelofse" <roelofse.j@vodamail.co.za>, "Patrick Lenyibi" <plenyibi@ncpg.gov.za>, "Ester Makungo" <makungoe@dws.gov.za>, "Garth Julius" <JuliusG@nra.co.za>, "Jannie Loubser" <janniel@namakwa-dm.gov.za>, "ruth.cuttings@yahoo.com" <ruth.cuttings@yahoo.com>, "kmotlthomi@ncpg.gov.za" <kmotlthomi@ncpg.gov.za>, "lefleurd@dws.gov.za" <lefleurd@dws.gov.za>, "BesterAD@telkom.co.za" <BesterAD@telkom.co.za>
Sent: Thursday, 14 December, 2017 4:54:07 PM
Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '*13622 Mainstream Substations and Power Lines*') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

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

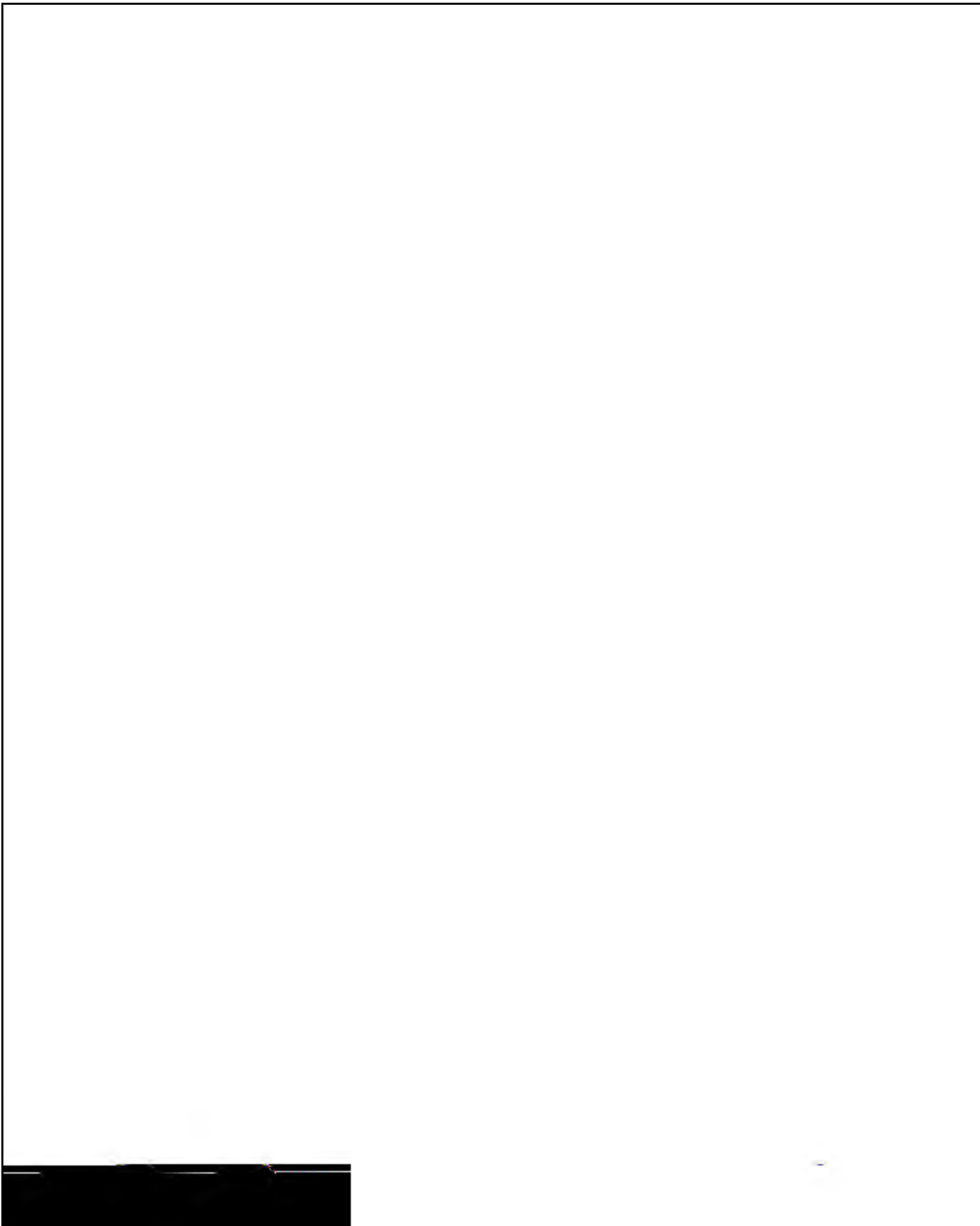
Kind Regards

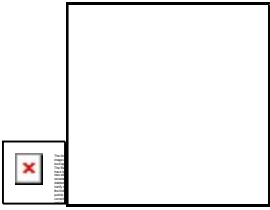
Andrea Gibb

Senior Manager

SiVEST Environmental Division







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

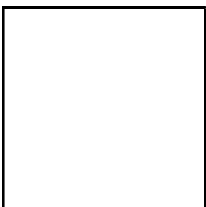
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Stephan Jacobs

From: Hlengiwe Ntuli
Sent: Wednesday, January 10, 2018 4:24 PM
To: Natasha Higgitt
Cc: Stephan Jacobs; Andrea Gibb
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Follow Up Flag: Follow up
Flag Status: Completed

Good Day Natasha,

The KML's have now been uploaded on both the GIS layer as well as additional documents on the last page.

Let me know if you require anything else.

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
SIVEST Environmental Division



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



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

From: Natasha Higgitt [mailto:nhiggitt@sahra.org.za]
Sent: Wednesday, 10 January 2018 9:47 AM
To: Hlengiwe Ntuli
Cc: Stephan Jacobs; Andrea Gibb
Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good morning,

I have begun to review the cases below, and I have noted that the location of the projects has not been mapped on the GIS layer of the applications. Please complete this as soon as possible, as I will not be able to issue a Final Comment without a complete application.

Many thanks.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

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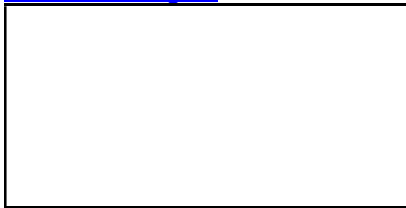
Natasha Higgitt

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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From: "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
To: "Stephan Jacobs" <StephanJ@sivest.co.za>, "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Andrea Gibb" <AndreaG@sivest.co.za>
Sent: Tuesday, 19 December, 2017 8:58:02 AM
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good Morning Natasha,

Please note that new applications for Mainstream Substations and Power Lines have been created and all the relevant documents are uploaded.

Case numbers are as follows: Graskoppies 12077, Hartbeest Leegte 12078, IXha Boom 12081 and Ithemba 12082.

Kind Regards,

Hlengiwe Ntuli
Projects Secretary and PPP Administrator
SIVEST Environmental Division



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SIVEST offices will be closing for the Christmas and New Year holiday season break from 16h00 on Wednesday, 20th December 2017 and will re-open at 08h00 on Monday, 8th January 2018

From: Stephan Jacobs
Sent: Friday, 15 December 2017 10:57 AM
To: Natasha Higgitt; Andrea Gibb
Cc: Hlengiwe Ntuli
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review
Importance: High

Good Morning Mrs Higgitt,

SIVEST is in the process of creating an application on SAHRIS and uploading the relevant documents and will notify you via email when this has been completed.

Kind Regards,

Stephan Jacobs (B.Sc.(Hons) Environmental Management and Analysis)
Environmental Consultant
SIVEST Environmental Division



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Managers - Environmental Consultants - Town and Regional Planners - Quality Management Consultants
Durban - Johannesburg - Pretoria - Pietermaritzburg - Richards Bay - Port Louis (Mauritius)

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closing for the*

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From: Natasha Higgitt [<mailto:nhiggitt@sahra.org.za>]
Sent: Friday, December 15, 2017 8:04 AM
To: Andrea Gibb; Stephan Jacobs
Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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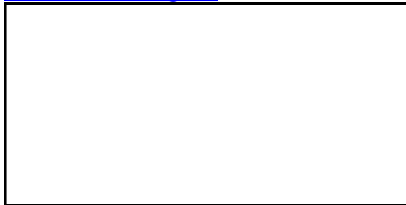
Please note that SAHRA will be closed from the 27th December 2017 and will reopen on the 2 January 2018

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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From: "sivest_PPP" <sivest_ppp@sivest.co.za>
To: "Andrea Gibb" <AndreaG@sivest.co.za>, "Stephan Jacobs" <StephanJ@sivest.co.za>, "rebecca.thomas@mainstreamrp.com" <rebecca.thomas@mainstreamrp.com>, "Nicolene Venter" <nicolene@imaginativeafrica.co.za>
Cc: "John Geeringh" <GeerinJH@eskom.co.za>, "Heleen van den Heever" <vdheevhd@telkom.co.za>, "Morgan Griffiths" <morgan.griffiths@wessa.co.za>, "Obakeng Isaacs" <munman@khaima.gov.za>, "P Josop" <commonage@khaima.gov.za>, "Brian Fisher" <bfisher@ncpg.gov.za>, "Henning Myburg" <henning@agrink.co.za>, "Sam Fiff" <Francis.Rahlapane@transnet.net>, "Amanda Bester" <WayleaCR@telkom.co.za>, "Riaan Van Wyk" <socialdev1@hantam.gov.za>, "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Nicole Abrahams" <AbrahamsN@nra.co.za>, "Ted Williams" <williams@saa.ac.za>, "Chris Coetzee" <chris@salt.ac.za>, "Hettie Buys" <HettieB@daff.gov.za>, "Thoko Buthelezi" <ThokoB@daff.gov.za>, "Mmatlala Rabothata" <mrabothata@environment.gov.za>, "Marianne Golding" <marianneg@ewt.org.za>, "Simphiwe Masilela" <ObstacleEvaluators@atns.co.za>, "Candice Stevens" <advocacy@birdlife.org.za>, "Johanna Morobane" <JohannaM@atns.co.za>, "Lizell Stroh" <strohl@caa.co.za>, "Adriaan Tiplady" <atiplady@ska.ac.za>, "Ramatholo Sefako" <rrs@saa.ac.za>, "Samantha Ralston-Paton" <energy@birdlife.org.za>, "Gert Steenkamp" <gsteenkamp@ncpg.gov.za>, "Moses Mahunonyane" <MahunonyaneM@dws.gov.za>, "Johan Koegelenberg" <KoegelenbergJ@sentech.co.za>, "Lourens Leeuwner" <lourensl@ewt.org.za>, "Stanley Tshitwamulomoni" <StanleyT@environmental.gov.za>, "Candice Spammer"

<spammec1@telkom.co.za>, "Seoka Lekota" <slekota@environment.gov.za>, "Jaco Roelofse" <roelofse.j@vodamail.co.za>, "Patrick Lenyibi" <plenyibi@ncpg.gov.za>, "Ester Makungo" <makungoe@dws.gov.za>, "Garth Julius" <JuliusG@nra.co.za>, "Jannie Loubser" <janniel@namakwa-dm.gov.za>, "ruth.cuttings@yahoo.com" <ruth.cuttings@yahoo.com>, "kmotlthomi@ncpg.gov.za" <kmotlthomi@ncpg.gov.za>, "lefleurd@dws.gov.za" <lefleurd@dws.gov.za>, "BesterAD@telkom.co.za" <BesterAD@telkom.co.za>

Sent: Thursday, 14 December, 2017 4:54:07 PM

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
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- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

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

Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

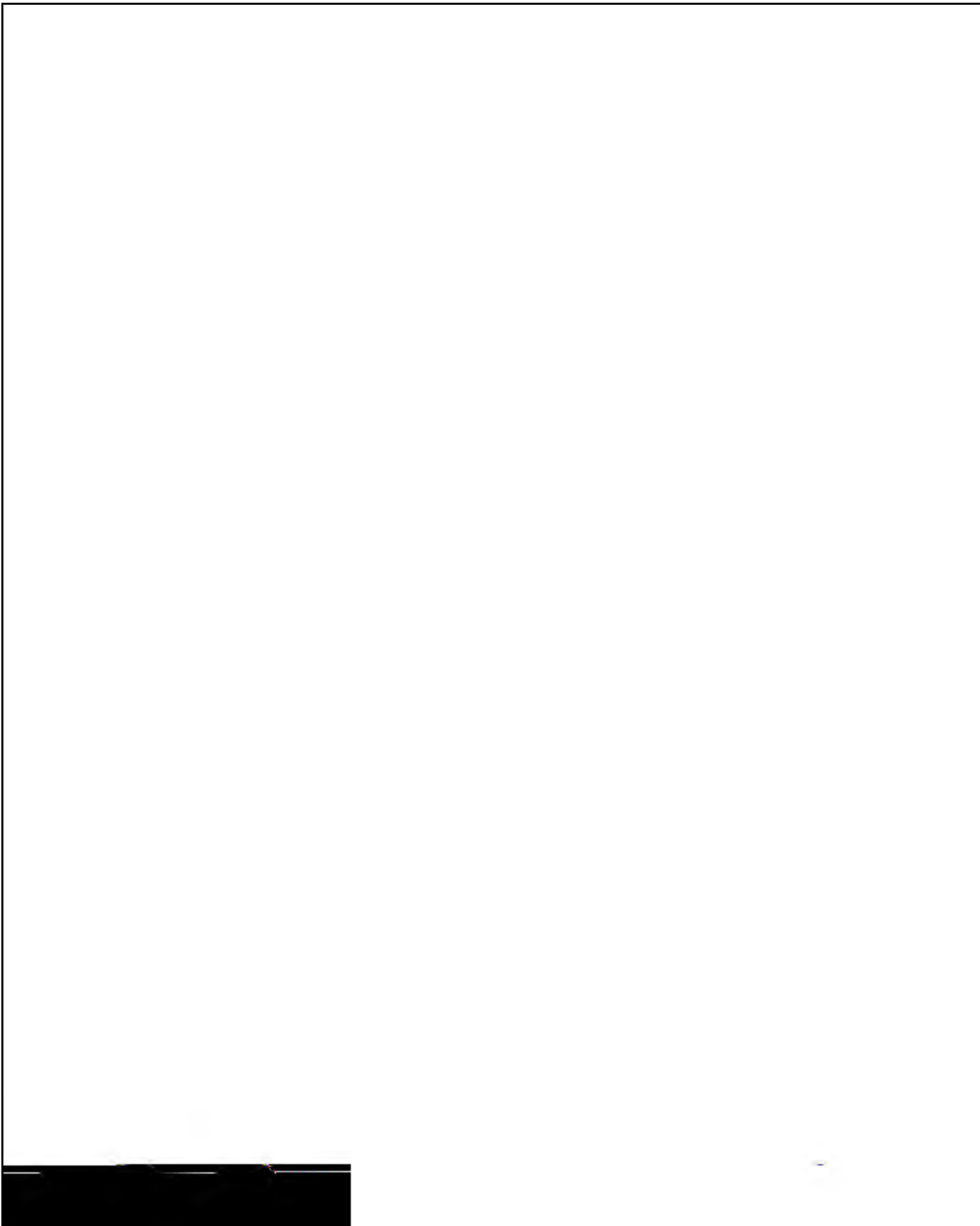
Tel – (011) 798 0600

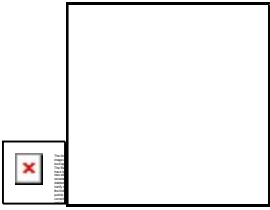
Fax – (011) 803 7272

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

Kind Regards
Andrea Gibb
Senior Manager
SiVEST Environmental Division







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

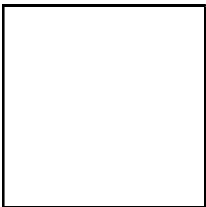
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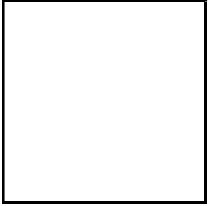


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Andrea Gibb

From: Stephan Jacobs
Sent: Friday, 19 January 2018 12:42 PM
To: energy@birdlife.org.za
Cc: Andrea Gibb; Hlengiwe Ntuli; Rebecca Thomas (rebecca.thomas@mainstreamrp.com); sivest_PPP
Subject: Four Proposed Mainstream Wind Farms near Loeriesfontein: Responses from Avifauna Specialist to BirdLife SA's Comments
Attachments: 13622 Mainstream Wind Farms_BirdLife Comments & Responses.pdf
Importance: High
Categories: Leeuwberg

Good Day Ms. Ralston-Paton,

I trust you are well.

Please be advised that BirdLife South Africa issued SiVEST with comments on the 30th of November 2017 for the following proposed projects:

- **Graskoppies Wind Farm near Loeriesfontein - DEA Ref no.: 14/12/16/3/3/2/1017;**
- **Hartebeest Leegte Wind Farm near Loeriesfontein - DEA Ref no.: 14/12/16/3/3/2/1015;**
- **Ithemba Wind Farm near Loeriesfontein - DEA Ref no.: 14/12/16/3/3/2/1016; and**
- **!Xha Boom Wind Farm near Loeriesfontein - DEA Ref no.: 14/12/16/3/3/2/1018.**

In light the comments which were received, SiVEST requested that the appointed Avifauna specialist (i.e. Chris Van Rooyen) subsequently provide responses to these comments. **As such, please find attached a formal response to the comments issued by BirdLife South Africa on the 30th of November 2017 for the above-mentioned proposed projects for your consideration.** Please note that the responses from the Avifauna specialist with regards to the comments that were provided by BirdLife have been considered and included in the Final Environmental Impact Assessment Reports (FEIARs) which were submitted to the Department of Environmental Affairs (DEA) on Wednesday 17 January 2018.

Please do not hesitate to contact me should there be any issues or should you have any queries.

Kind Regards,

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

Environmental Consultant

SiVEST Environmental Division



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



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

ATTENTION: MS SAMANTHA RALSTON-PATON

Your reference:

Via email

Our reference: 13622

Date: 19 January 2018

Dear Ms Samantha Ralston-Paton,

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) MAINSTREAM 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**

▪ **RESPONSES TO COMMENTS MADE BY BIRDLIFE SOUTH AFRICA**

It should be noted that SiVEST received comments on the above-mentioned proposed projects from BirdLife South Africa on the 30th November 2017. These comments from BirdLife South Africa are provided in **Appendix A** which is attached hereto. In light of the above, the appointed Avifauna specialist (i.e. Chris Van Rooyen) was subsequently requested to provide SiVEST with responses to the comments made by BirdLife South Africa. As such, please refer to **Appendix B** which is attached hereto for the responses to BirdLife South Africa's comments which were provided by the appointed Avifauna specialist.

Please do not hesitate to contact me on **011 798 0600** or **072 737 2114** should there be any issues or should you have any questions.

Kind Regards



Stephan Jacobs
Environmental Consultant
SiVEST Environmental Division

Attached Appendices:

Appendix A: Comments Received from BirdLife South Africa

Appendix B: Avifauna Specialist's Responses to Comments from BirdLife South Africa



Appendix A

COMMENTS RECEIVED FROM BIRDLIFE SOUTH AFRICA



BirdLife South Africa is a partner of BirdLife International, a global partnership of nature conservation organisations.
Member of IUCN (International Union for Conservation of Nature).
Reg No: 001 – 298 NPO
PBO Exemption No: 930004518

30 November 2017

Andrea Gibb
Sivest
Email: AndreaG@sivest.co.za

RE: COMMENT ON THE DRAFT 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: 14/12/16/3/3/2/10**

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.

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.

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.

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.

While the abundance of Red Larks on site may be lower on site than in 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.

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BirdLife South Africa is a partner of BirdLife International, a global partnership of nature conservation organisations.
Member of IUCN (International Union for Conservation of Nature).
Reg No: 001 – 298 NPO
PBO Exemption No: 930004518

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.

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.

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).

Should these wind farms be approved despite BirdLife South Africa's concerns, we strongly recommend that the distance between the 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.

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.

Yours sincerely

Samantha Ralston-Paton
Birds and Renewable Energy Project Manager



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Reg No: 001 – 298 NPO
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Control less Red Larks...
Monitoring protocols red lark

Cumulative impacts

Ludwigs

“low” was <30m

> 10% of SABAP 1 pentads gave development, not including potential development in Springbok REDZ

Visual inspection of habitat preferences should go further .

Close inspection of Red Lark records indicates a possible preference for sandy areas, although the species was also recorded in gravel plains, although in lower numbers.

Mitigation feasible?

and a commitment from the site operator to implement curtailment during periods of high flight activity, e.g. after good rains which triggers breeding activity, should significant mortality be recorded

Criteria agreed to, nebulous

net gain

The Index of Kilometric Abundance is a valid measure of abundance, which is provided for in the most recent BLSA guidelines on pre-construction monitoring. This Index is considered an adequate and appropriate measure of abundance for the purposes of assessing impacts in the EIA, and for the purpose of establishing a baseline against which subsequent operational monitoring results can be compared.

The area around the Helios Main Transmission Station has become a hub for renewable energy development

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



Appendix B

**AVIFAUNA SPECIALIST'S RESPONSES TO
COMMENTS FROM BIRDLIFE SOUTH
AFRICA**

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

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Following the comments received from BirdLife South Africa on 30 November 2017, the following responses were provided by the appointed Avifauna specialist (i.e. Chris van Rooyen):

No.	Date of comment, format of comment, name of organisation/ I&AP	Comment	Response from EAP/ Applicant/ Specialist
	30 November 2017 BirdLife South Africa (Ms Samantha Ralston-Paton)	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.	The area around the Helios Main Transmission Station has become a hub for renewable energy development, due to the exceptional 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 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 the proposed wind farms. 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

	<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>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 Aggenys, 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 Aggeney's 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. • Dean makes the following statement in the Red Lark SABAP 1 species account (Harrison <i>et al</i> 1997) " <i>atlas records, particularly in the eastern parts of its range, suggest it may be more common and widespread than previously thought</i>" • 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 <i>et al</i> 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>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 <i>et al.</i> 1991). While the use of Index of Kilometric Abundance is accepted by BirdLife South Africa's Best Practice Guidelines (Jenkins <i>et al.</i> 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</p>	<p>The study included a total of 11 walk transects across all four wind farm 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</p>

		<p>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>untransformed habitat in the greater landscape i.e. 34,690km² of the Bushmanland Basin Shrubland; and 45,478km² of Bushmanland 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>While the abundance of Red Larks on site may be lower on site than in 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>Please see previous point</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 sites or time periods, in order to assess the potential impact of a wind farm.</p>
		<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>Should these wind farms be approved despite BirdLife South Africa's concerns, we strongly recommend that the distance between the 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</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>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>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.</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>The overhead high voltage transmission lines connecting the proposed wind farms to the existing Eskom Helios Substation has been assessed in a separate basic assessment process. This report will be 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.</p>

Stephan Jacobs

From: sivist_PPP
Sent: Wednesday, January 31, 2018 8:36 AM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomini@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ending
Importance: High

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Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects is **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (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
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2128
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13622 DBAR

Notification Lett...



13622 DBAR

Kind Regards
Andrea Gibb
Senior Manager
SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor



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

From: sivest_PPP

Sent: 14 December 2017 04:54 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;
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'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'
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<lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za> click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /
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Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

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

SiVEST is a Level 3 BBBEE Contributor

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

Stephan Jacobs

From: sivist_PPP
Sent: Thursday, February 22, 2018 4:16 PM
To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop'; 'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomini@ncpg.gov.za'; 'lefleurd@dws.gov.za'; 'BesterAD@telkom.co.za'
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ended
Importance: High
Follow Up Flag: Follow up
Flag Status: Completed

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This email serves as a reminder to please submit any comments if not done already.

If you do not have any comments please reply to the email and indicate so.

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

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Fax: 011 803 7272

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

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator
SiVEST Environmental Division



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

From: sivest_PPP

Sent: 31 January 2018 08:36 AM

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

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths' <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop' <commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff' <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk' <socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>; 'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko Buthelezi' <ThokoB@daff.gov.za>; 'Mmatlala Rabothata' <mrabothata@environment.gov.za>; 'Marianne Golding' <marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens' <advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@sao.ac.za>; 'Samantha Ralston-Paton' <energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane' <MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner' <lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer' <spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse' <roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>; 'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com' <ruth.cuttings@yahoo.com>; 'kmotlhomih@ncpg.gov.za' <kmotlhomih@ncpg.gov.za>; 'Iefleurd@dws.gov.za' <Iefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Comment Period Ending

Importance: High

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

Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- 132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)
- 132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)
- 132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)

Please note that the final day for comments on the Draft Basic Assessments Reports (DBARs) for the above mentioned wind farm projects is **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (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

<< File: 13622 DBAR Notification Letter IAPs (Afr).pdf >> << File: 13622 DBAR Notification Letter IAPs (Eng).pdf >>

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

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

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 email andreaq@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: 14 December 2017 04:54 PM

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

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths'
 <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'
 <commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam Fiff'
 <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
 <socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
 'Ted Williams' <williams@saa.ac.za>; 'Chris Coetsee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko
 Buthelezi' <ThokoB@daff.gov.za>; 'Mmatlala Rabothata' <mratlala@environment.gov.za>; 'Marianne Golding'
 <marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'
 <advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan
 Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@sao.ac.za>; 'Samantha Ralston-Paton'

<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane' <MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner' <lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer' <spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse' <roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>; 'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniell@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com' <ruth.cuttings@yahoo.com>; 'kmotlhomi@ncpg.gov.za' <kmotlhomi@ncpg.gov.za>; 'lefleurd@dws.gov.za' <lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '*13622 Mainstream Substations and Power Lines*') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

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

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division

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

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

Ms. Natasha Higgitt
Heritage Officer
South African Heritage Resources Agency (SAHRA)
111 Harrington Street
CAPE TOWN
8001

Your reference CaseID: 12077
Our reference 13622 – Grid
Date 26 February 2018

ATTENTION: MS. NATASHA HIGGITT

Dear Ms. Higgitt

**PROPOSED CONSTRUCTION OF THE GRASKOPPIES ON-SITE ESKOM SUBSTATION,
LINKING SUBSTATION AND ASSOCIATED 132KV POWER LINE NEAR LOERIESFONTEIN,
NORTHERN CAPE PROVINCE**

▪ **Response to Interim Comments provided by SAHRA (Case 12077)**

The South African Heritage Resources Agency (SAHRA) interim comment letter for Case ID 12077 dated 18th January 2018 refers (Please see **Appendix A**).

It was stated that, “*The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit disagrees with the low sensitivity given to the Prince Albert Formation as it is deemed to be of high palaeontological sensitivity according to the SAHRIS Fossil Heritage Layer Browser (<http://www.sahra.org.za/sahris/fossil-layers/prince-albert-formation>). Therefore, and in line with recommendations that include that surveying be done by a professional palaeontologist (p.31, Table 1 of the report), the APM Unit endorses such recommendation and requires a professional palaeontologist to survey the proposed development footprint. The surveying report must be submitted to SAHRA before the commencement of any development-related activities. It must be noted that the palaeontological description of the Prince Albert Formation was rather sparse and does not include references.*

Further comments will be issued upon receipt of the above.”

In light of the comments above, the Palaeontology and Heritage specialists were requested to review their respective specialist reports and the recommended high sensitivity of the Prince Albert Formation. Subsequently, the reports have been amended to increase the sensitivity of the Prince Albert Formation as the specialists are in agreement that this formation does in fact have a high palaeontological sensitivity. It should be noted that the palaeontology specialist has also recommended that a detailed palaeontology study be conducted prior to construction in order to assess the value and prominence of fossils in the development area and the effect of the proposed development on the palaeontological heritage. This will consist of a Phase 1 field-based assessment which will be undertaken by a professional palaeontologist. The detailed Phase 1 Report will elaborate on the issues and potential impacts identified during the initial study undertaken for the Basic Assessment (BA). This will be achieved by site visits and research in the site-specific study area as well as a comprehensive assessment of the impacts identified during the BA. The Phase 1 Report will include specific mitigation measures which will address the issue of palaeontology and will be submitted to SAHRA for comment and approval before the commencement of any development-related activities. The palaeontology specialist has also elaborated on the description of the Prince Albert Formation in the updated report and has included references. The updated specialist reports will be uploaded to SAHRIS accordingly, along with the Final Basic Assessment Report (FBAR).

As such, based on the recommendation made by the palaeontology specialist, SiVEST will provide a recommendation in the FBAR that should the DEA issue Environmental Authorisation (EA) for the proposed development, a condition should be included stipulating that a detailed palaeontology study be undertaken for the authorised power line corridor and submitted to SAHRA for comment and approval prior to construction. This is deemed to be an acceptable approach as, as per the interim comment letter dated 18 January 2018, SAHRA stated that *“Therefore, and in line with recommendations that include that surveying be done by a professional palaeontologist (p.31, Table 1 of the report), the APM Unit endorses such recommendation and requires a professional palaeontologist to survey the proposed development footprint. The surveying report must be submitted to SAHRA before the commencement of any development-related activities.”*

Mainstream have agreed to the approach of undertaking the detailed palaeontology study prior to construction for SAHRA to provide final comment and approval and include any additional measures (if and where required) into the Environmental Management Programme (EMPr) to be implemented in the construction phase. Mainstream therefore acknowledged and made provision on this basis to undertake this assessment prior to construction, as required.

Your soonest response will be highly appreciated. Should you have any queries, please feel free to contact me.

Yours sincerely

A handwritten signature in black ink, appearing to read "Stephan Jacobs", with a long horizontal stroke extending to the right.

Stephan Jacobs
Environmental Consultant
SiVEST Environmental

Appendices:

Appendix A: SAHRA Interim Comment letter



Appendix A

SAHRA INTERIM COMMENT LETTER

Our Ref:



an agency of the
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 12077

Date: Thursday January 18, 2018
Page No: 1

Interim Comment

In terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Sivest - Gauteng

PO BOX 2921
Rivonia
2128

Proposed Construction of the Graskoppies On-site Eskom Substation, Linking Substation and Associated 132kV Power Line near Loeriesfontein, Northern Cape Province

SiVEST Environmental has been appointed by SA Mainstream Renewable Power Developments (Pty) Ltd to conduct an Environmental Authorisation (EA) Application process for the proposed Graskoppies On-site Eskom Substation, Linking Substation and associated 132kV Power Line, near Loeriesfontein, Northern Cape Province. A draft Basic Assessment Report (dBAR) has submitted in terms of the National Environmental Management Act, 1998 (NEMA), and the NEMA 2017 Environmental Impact Assessment (EIA) Regulations. The proposed development will include the construction of a 2 ha on-site substation (two locations are being considered), a 5 ha linking substation (two locations are being considered) and a 132kV powerline between 54.5 and 48.1 km in length (4 route options are being considered). The powerline will have a servitude of 31 m.

PGS Heritage (Pty) Ltd was appointed to conduct the heritage component of the BAR.

Fourie, W, Angel, J and Hutten, M. 2017. Graskoppies Wind Energy Facility (WEF) – 132kV Grid connection and substation: Heritage Impact Assessment.

No heritage resources were identified within the development footprints.

Recommendations provided in the report include the following:

- A walk-down of the final layout to determine if any significant sites will be affected;
- Any heritage features of significance identified during this walk down will require formal mitigation or where possible a slight change in design could accommodate such resources;
- Monitor findspot areas if construction is going to take place through them;
- A management plan for the heritage resources needs to be implemented during construction and



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operations; and

- Possible surface collections for sites with a medium to high significance as well as conducting a watching brief by heritage practitioner are to be undertaken during the construction phase.

Butler, E. 2016. Palaeontological Desktop Impact Assessment for the Proposed Development of four Leeuwberg Wind Farms and Basic Assessments for the Associated Grid Connection near Loeriesfontein, Northern Cape Province.

It was noted that no separate assessment has been done for this application; it is rather part of a larger development encompassing four farms in total. Different sensitivities and thus different outcomes may apply for each of these farms.

The farm is underlain by unfossiliferous Karoo dolerite as well as sediments of the Prince Albert Formation (Ecca Group). The excavations and site clearance will involve substantial excavations into the superficial sediment cover as well as locally into the underlying bedrock. These excavations will modify the existing topography and may disturb damage, destroy or permanently seal-in fossils at or below the ground surface that are then no longer available for scientific research. According to the geology of the development site there is a possibility of finding fossils in the Ecca Group but the palaeontological sensitivity is low.

Recommendations provided in the report include the following:

- Recommended mitigation of the inevitable damage and destruction of fossil within the proposed development area would involve the surveying, recording, description and collecting of fossils within the development footprint by a professional palaeontologist. This work should take place after initial vegetation clearance has taken place, but before the ground is leveled for construction;
- Impacts on fossil heritage are generally irreversible. Well-documented records and further palaeontological studies of any fossils exposed during construction would represent a positive impact from a scientific perspective. The possibility of a negative impact on the palaeontological heritage of the area can be reduced by the implementation of adequate damage mitigation procedures. If damage mitigation is properly undertaken the benefit scale for the project will lie within the beneficial category;
- Should fossil remains be discovered during any phase of construction, either on the surface or exposed by fresh excavations, the ECO responsible for these developments should be alerted immediately. Such discoveries ought to be protected (preferably in situ) and the ECO should alert SAHRA so that appropriate mitigation (e.g. recording, sampling or collection) can be taken by a professional paleontologist. The specialist involved would require a collection permit from SAHRA. Fossil material must be curated in an approved collection (e.g. museum or university collection) and all

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
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www.sahra.org.za

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 12077

Date: Thursday January 18, 2018
Page No: 3

fieldwork and reports should meet the minimum standards for palaeontological impact studies developed by SAHRA.

The submitted Environmental Management Programme (EMPr) notes the following additional mitigation measures with regards to heritage resources:

- Any finds must be reported to the nearest National Monuments office to comply with the National Heritage Resources Act (Act No 25 of 1999) and to DEA;
- Any finds must be reported to the nearest National Monuments office to comply with the National Heritage Resources Act (Act No 25 of 1999) and to DEA. Local museums as well as the South African Heritage Resource Agency (SAHRA) should be informed if any artefacts are uncovered in the affected area;
- The contractor must ensure that his workforce is aware of the necessity of reporting any possible historical or archaeological finds to the ECO so that appropriate action can be taken;
- Any discovered artefacts shall not be removed under any circumstances. Any destruction of a site can only be allowed once a permit is obtained and the site has been mapped and noted. Permits shall be obtained from the South African Heritage Resources Association (SAHRA) should the proposed site affect any world heritage sites or if any heritage sites are to be destroyed or altered;
- Should any archaeological sites / graves be uncovered during construction, their existence shall be reported to the Project Company and MC immediately.

Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit disagrees with the low sensitivity given to the Prince Albert Formation as it is deemed to be of high palaeontological sensitivity according to the SAHRIS Fossil Heritage Layer Browser (<http://www.sahra.org.za/sahris/fossil-layers/prince-albert-formation>). Therefore, and in line with recommendations that include that surveying be done by a professional palaeontologist (p.31, Table 1 of the report), the APM Unit endorses such recommendation and requires a professional palaeontologist to survey the proposed development footprint. The surveying report must be submitted to SAHRA before the commencement of any development-related activities. It must be noted that the palaeontological description of the Prince Albert Formation was rather sparse and does not include references.

Further comments will be issued upon receipt of the above.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Our Ref:



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Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 12077

Date: Thursday January 18, 2018
Page No: 4

Yours faithfully

Natasha Higgitt
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/487611>
(DEA, Ref:)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.

Stephan Jacobs

From: Stephan Jacobs
Sent: Tuesday, February 27, 2018 11:59 AM
To: 'Natasha Higgitt'
Cc: Andrea Gibb; Hlengiwe Ntuli; Rebecca Thomas (rebecca.thomas@mainstreamrp.com)
Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: Response Letters to SAHRA Interim Comments and Updated HIA & Desktop PIA Reports uploaded to Case Applications
Attachments: 13622 SAHRA Response to Interim Comment Letter_Graskoppies_12077.pdf; 13622 SAHRA Response to Interim Comment Letter_lthemba_12082.pdf; 13622 SAHRA Response to Interim Comment Letter_lXha Boom_12081.pdf
Importance: High

Good Afternoon Mrs. Higgitt,

Please be advised that SiVEST have compiled letters in response to the Interim Comments issued by SAHRA for Case ID 12077, 12081 and 12082. The respective response letters have been uploaded to the relevant Case Applications in SAHRIS under "[Additional Documents](#)". I have also attached the response letters to this email for your convenience.

In addition, the respective Heritage Impact Assessment (HIA) and Desktop Paleontological Impact Assessment (PIA) Reports (included as an appendix which is part of HIA Report) have been updated / amended in order to meet all requirements and address all issues / comments as stipulated in the Interim Comments from SAHRA. These updated HIA and Desktop PIA Reports have also been uploaded to the relevant Case Applications in SAHRIS under "[Heritage Reports](#)". As mentioned, the Desktop PIA forms part of the HIA Report and has been included as an appendix in the HIA Report.

The statuses of the respective Case Applications have also subsequently been changed to "*STUDIES SUBMITTED*".

We trust that everything is in order.

Please do not hesitate to contact me should there be any problems or should you have any questions.

Kind Regards,

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

Environmental Consultant

SiVEST Environmental Division



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



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

From: Natasha Higgitt [mailto:nhiggitt@sahra.org.za]

Sent: Thursday, January 18, 2018 4:26 PM

To: Hlengiwe Ntuli; Andrea Gibb

Cc: Stephan Jacobs

Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good afternoon,

Please note that a Final Comment has been issued on SAHRIS Case ID 12078. Please see link below:

<http://sahra.org.za/sahris/cases/proposed-construction-hartebeest-leegte-site-eskom-substation-and-power-line>

Please note that Interim Comments have been issued on SAHRIS Case ID 12077, 12081 and 12082. Please see links below:

<http://sahra.org.za/sahris/cases/graskoppies-site-eskom-substation-linking-substation-and-power-line>
<http://sahra.org.za/sahris/cases/proposed-construction-xha-boom-site-eskom-substation-and-power-line>
<http://sahra.org.za/sahris/cases/proposed-construction-ithemba-site-eskom-substation-and-power-line>

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
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Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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OUR VALUES: Accountability, Teamwork & co-operation, Respect, Transparency, Service Excellency, Integrity & Ethics, Professionalism, Accessibility, Communication & Trust.

From: "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
To: "Natasha Higgitt" <nhiggitt@sahra.org.za>
Cc: "Stephan Jacobs" <StephanJ@sivest.co.za>, "Andrea Gibb" <AndreaG@sivest.co.za>
Sent: Wednesday, 10 January, 2018 4:23:53 PM

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good Day Natasha,

The KML's have now been uploaded on both the GIS layer as well as additional documents on the last page.

Let me know if you require anything else.

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator

SiVEST Environmental Division



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Direct +27 11 798 0690 Tel +27 11 798 0600 fax +27 11 803 7272

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

- Project Managers - Environmental Consultants - Town and Regional Planners

Consulting Engineers

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

From: Natasha Higgitt [<mailto:nhiggitt@sahra.org.za>]

Sent: Wednesday, 10 January 2018 9:47 AM

To: Hlengiwe Ntuli

Cc: Stephan Jacobs; Andrea Gibb

Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good morning,

I have begun to review the cases below, and I have noted that the location of the projects has not been mapped on the GIS layer of the applications. Please complete this as soon as possible, as I will not be able to issue a Final Comment without a complete application.

Many thanks.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

T: +27 21 462 4502 | F: +27 21 462 4509 | C: +27 82 507 0378
E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town

www.sahra.org.za

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

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E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town | 8001

www.sahra.org.za



From: "Hlengiwe Ntuli" <HlengiweN@sivest.co.za>
To: "Stephan Jacobs" <StephanJ@sivest.co.za>, "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Andrea Gibb" <AndreaG@sivest.co.za>
Sent: Tuesday, 19 December, 2017 8:58:02 AM
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good Morning Natasha,

Please note that new applications for Mainstream Substations and Power Lines have been created and all the relevant documents are uploaded.

Case numbers are as follows: Graskoppies 12077, Hartbeest Leegte 12078, !Xha Boom 12081 and Ithemba 12082.

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator

SIVEST Environmental Division



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

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners - Quality Management Consultants

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SIVEST offices will be closing for the Christmas and New Year holiday season break from 16h00 on Wednesday, 20th December 2017

and will re-open at 08h00 on Monday, 8th January 2018

From: Stephan Jacobs
Sent: Friday, 15 December 2017 10:57 AM
To: Natasha Higgitt; Andrea Gibb
Cc: Hlengiwe Ntuli
Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review
Importance: High

Good Morning Mrs Higgitt,

SiVEST is in the process of creating an application on SAHRIS and uploading the relevant documents and will notify you via email when this has been completed.

Kind Regards,

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

Environmental Consultant

SiVEST Environmental Division



SIVEST is a Level 3 BBEE Contributor



Direct +27 11 798 0677 **Tel** +27 11 798 0600 **fax** +27 11 803 7272 **cell** +27 72 737 2114

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

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- Project Managers - Environmental Consultants - Town and Regional Planners - Quality Management Consultants

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

SIVEST offices will be closing for the Christmas and New Year holiday season break from 16h00 on Wednesday, 20th December 2017

and will re-open at 08h00 on Monday, 8th January 2018

From: Natasha Higgitt [<mailto:nhiggitt@sahra.org.za>]

Sent: Friday, December 15, 2017 8:04 AM

To: Andrea Gibb; Stephan Jacobs

Subject: Re: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

Good morning,

Thank you for the notification. Please ensure that all the relevant documents are uploaded to an application on SAHRIS so that an official comment can be issued.

Kind Regards,

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

T: +27 21 462 4502 | F: +27 21 462 4509 | C: +27 82 507 0378
E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town

www.sahra.org.za

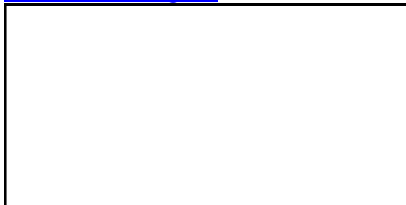
Please note that SAHRA will be closed from the 27th December 2017 and will reopen on the 2 January 2018

Natasha Higgitt
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
- A nation united through heritage -

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E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town | 8001

www.sahra.org.za



From: "sivest_PPP" <sivest_ppp@sivest.co.za>
To: "Andrea Gibb" <AndreaG@sivest.co.za>, "Stephan Jacobs" <StephanJ@sivest.co.za>, "rebecca.thomas@mainstreamrp.com" <rebecca.thomas@mainstreamrp.com>, "Nicolene Venter" <nicolene@imaginativeafrica.co.za>
Cc: "John Geering" <GeerinJH@eskom.co.za>, "Heleen van den Heever" <vdheevhd@telkom.co.za>, "Morgan Griffiths" <morgan.griffiths@wessa.co.za>, "Obakeng Isaacs" <munman@khaima.gov.za>, "P Josop" <commonage@khaima.gov.za>, "Brian Fisher" <bfisher@ncpg.gov.za>, "Henning Myburg" <henning@agrink.co.za>, "Sam Fiff" <Francis.Rahlapane@transnet.net>, "Amanda Bester" <WayleaCR@telkom.co.za>, "Riaan Van Wyk" <socialdev1@hantam.gov.za>, "Natasha Higgitt" <nhiggitt@sahra.org.za>, "Nicole Abrahams" <AbrahamsN@nra.co.za>, "Ted Williams" <williams@saa.ac.za>, "Chris Coetzee" <chris@salt.ac.za>, "Hettie Buys" <HettieB@daff.gov.za>, "Thoko Buthelezi" <ThokoB@daff.gov.za>, "Mmatlala Rabothata" <mrabothata@environment.gov.za>, "Marianne Golding" <marianneg@ewt.org.za>, "Simphiwe Masilela" <ObstacleEvaluators@atns.co.za>, "Candice Stevens" <advocacy@birdlife.org.za>, "Johanna Morobane" <JohannaM@atns.co.za>, "Lizell Stroh" <strohl@caa.co.za>, "Adriaan Tiplady" <atiplady@ska.ac.za>, "Ramatholo Sefako" <rrs@saao.ac.za>, "Samantha Ralston-Paton" <energy@birdlife.org.za>, "Gert Steenkamp" <gsteenkamp@ncpg.gov.za>, "Moses Mahunonyane" <MahunonyaneM@dws.gov.za>, "Johan Koegelenberg" <KoegelenbergJ@sentech.co.za>, "Lourens Leeuwner" <lourensl@ewt.org.za>,

"Stanley Tshitwamulomoni" <StanleyT@environmental.gov.za>, "Candice Spammer" <spammec1@telkom.co.za>, "Seoka Lekota" <slekota@environment.gov.za>, "Jaco Roelofse" <roelofse.j@vodamail.co.za>, "Patrick Lenyibi" <plenyibi@ncpg.gov.za>, "Ester Makungo" <makungoe@dws.gov.za>, "Garth Julius" <JuliusG@nra.co.za>, "Jannie Loubser" <janniel@namakwa-dm.gov.za>, "ruth.cuttings@yahoo.com" <ruth.cuttings@yahoo.com>, "kmotlhomi@ncpg.gov.za" <kmotlhomi@ncpg.gov.za>, "lefleurd@dws.gov.za" <lefleurd@dws.gov.za>, "BesterAD@telkom.co.za" <BesterAD@telkom.co.za>

Sent: Thursday, 14 December, 2017 4:54:07 PM

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs 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.*******

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- **132kV Graskoppies Substations and Power line – (DEA Ref No.: To be Announced)**
- **132kV Hartbeest Leegte Substations and Power Line – (DEA Ref No.: To be Announced)**
- **132kV Ithemba Substations and Power Line – DEA Ref No.: To be Announced)**
- **132kV !Xha Boom Substations and Power Line – DEA Ref No.: To be Announced)**

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (<http://www.sivest.co.za/> click on 'Downloads' and navigate to '*13622 Mainstream Substations and Power Lines*') 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 **Monday 05 February 2018** (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 / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600

Fax – (011) 803 7272

Email – stephanj@sivest.co.za /

hlengiwen@sivest.co.za

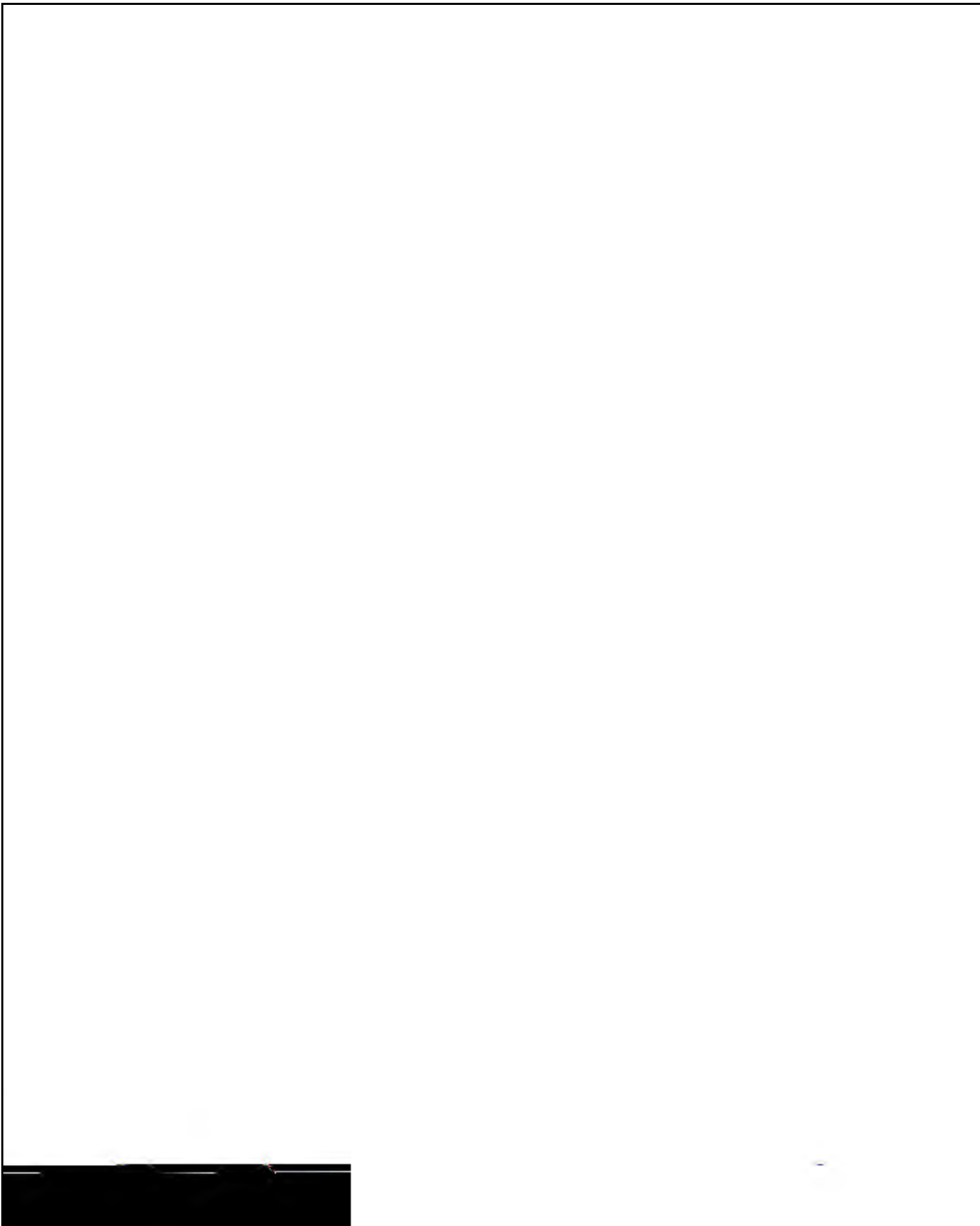
Kind Regards

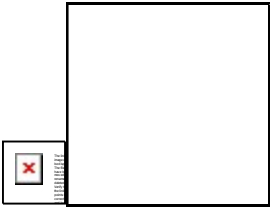
Andrea Gibb

Senior Manager

SiVEST Environmental Division







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

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

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

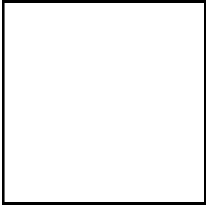
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

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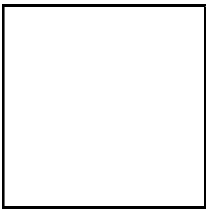


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Appendix 7D2
Correspondence
From Authorities



61 Oak Avenue, Highveld,
Techno Park, Centurion 0157,
Private Bag X881, Pretoria, Gauteng, 0001
T: +27 12 311 2012
C: +27 81 428 6729
M: LeonardS@openserve.co.za

2017/02/20

South Africa Mainstream Renewable Power Developments (Pty) Ltd
PO Box 45063
Claremont
7735

RE: APPLICATION FOR APPROVAL OF GRASKOPIES WIND FARM FACILITY

Dear Raymond Takuba

The above matter refers.

Kindly take note that Telkom SA SOC Ltd ("Telkom") has received an application from South Africa Mainstream Renewable Power Developments (Pty) Ltd, hereafter referred to as THE APPLICANT, who wishes to construct a WIND FARM named GRASKOPIES with boundaries defined in annexure 1, hereafter referred to as THE SITE, in accordance with the provisions of Section 29(1) (b) of Electronic Communications Act no. 36 of 2005 ("the Act").

Telkom has analysed the information provided by the Applicant in accordance with the provisions of Section 29(1)(c) of the Act, and specifically the location of the site. Telkom SA hereby grants the Applicant the approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:

- 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 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).
- 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 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.
- 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, 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.

We trust you find the above in order.

A handwritten signature in black ink, appearing to be 'L. Shaw', with a long horizontal stroke extending to the right.

Regards,
Leonard Shaw Pr. Tech (Eng.)
Senior Manager
Access Master Plans

Annexure 1

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 below form an enclosed area if read in sequence, with the first and last points in the list enclosing the approved area.

Point	Longitude X	Latitude Y
1	19.298160	-30.254118
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

List end



OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: NORTHERN CAPE

Hyesco Arcade, 4-8 Old Main Road, Kimberley, 8300 | PO Box 2458, Kimberley, 8300

Tel: (053) 807 5700 | Fax: (053) 831 6501

Enquiries: Refilwe Sekwati

To: South African Mainstream Renewable Power Developments (Pty) Ltd

PO BOX 45063

CLAREMONT

7735

LAND CLAIMS ENQUIRY:

1. **PORTION 2 OF THE FARM GEORGS VLEY NO. 127, SITUATE IN THE HANTAM MUNICIPALITY, DIVISION CALVINIA, NORTHERN CAPE.**
2. **REMAINDER OF THE FARM HARTEBEEST LEEGTE NO. 216 SITUATED IN THE CALVINIA DIVISIONAL COUNCIL, DIVISION CALVINIA, NORTHERN CAPE.**
3. **PORTION 1 OF THE FARM HARTEBEEST LEEGTE NO. 216, SITUATED IN THE CALVINIA DIVISIONAL COUNCIL, DIVISION CALVINIA, NORTHERN CAPE.**
4. **PORTION 2 OF THE FARM GRAS KOPPIES NO. 176, SITUATED IN THE CALVINIA DIVISIONAL COUNCIL, DIVISION CALVINIA, NORTHERN CAPE**

We refer to your letter dated: 18 October 2016

We confirm that as of the date of this letter no land claims appear on our database 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

Whilst the Commission takes reasonable care to ensure the accuracy of the information it provides, there are various factors that are beyond the Commission's control, particularly relating to claims that have lodged but not yet been gazetted such as:

1. Some Claimants referred to properties they claim dispossession of rights in land against using historical property descriptions which may not match the current property description; and
2. Some Claimants provided the geographic descriptions of the land they claim without mentioning the particular actual property description they claim dispossession of rights in land against.

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 above property.

If you are aware of any change in the description of the above property after 19 June 1913 kindly supply us with such description so as to enable us to do a further search.

Yours faithfully

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

REFILWE SEKWATI

Communication Division

REGIONAL LAND CLAIMS COMMISSION: NORTHERN CAPE

DATE: 12/01/17



Mainstream Renewable Power South African
4th floor Mariendahl House
Newlands on Main
Corner Main and Campground Roads
Claremont 7735, Cape Town, South Africa
PO Box 45063

09 March 2017

Attention: Mrs. Rebecca Thomas

Dear Madam

RE: PROPOSED ESTABLISHMENT OF LEEUWBERG SUIT WIND ENERGY FACILITY

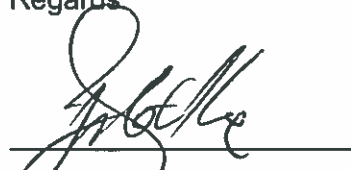
1. The above matter refers.
2. We wish to advise that Sentech SOC Ltd (“Sentech”) has received an application from Mainstream Renewable Power South Africa (“the applicant”), which plans to construct one Wind Turbine Generator (WTG) farms as described in annexure 1 hereto, at the Leeuwbereg Suite Wind Turbine Generator (WTG) farms, hereafter referred to as “the site”, in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 (“the Act”).
3. Sentech has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of Sentech transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
4. Sentech hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
 - 4.1 Due to the fact that the findings made by Sentech are based on simulations and calculated on a theoretical model, using available data and assumptions where no data

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

9. This approval does not imply any rights of access whatsoever to Sentech property or use of Sentech's access roads for construction or maintenance of the design project. Separate permission must be obtained from Sentech in this regard. Furthermore, Sentech reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of Sentech's electronic broadcast and communications infrastructure.
10. The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of Sentech's employees, contractors, representatives and its property, including the radio transmitters and links on or near the site against damages as a result of construction of the applicant's energy project.
11. The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of Sentech including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project.
12. In no event will Sentech, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any Sentech radio network approved and/or not approved in terms of this letter, even if Sentech has been advised of the possibility of such damages or injury.

All Sentech rights are fully reserved.

Regards



Mr Serame Motlhake

Manager: Broadcast Planning

Date: 08/03/2017

ANNEXURE 1

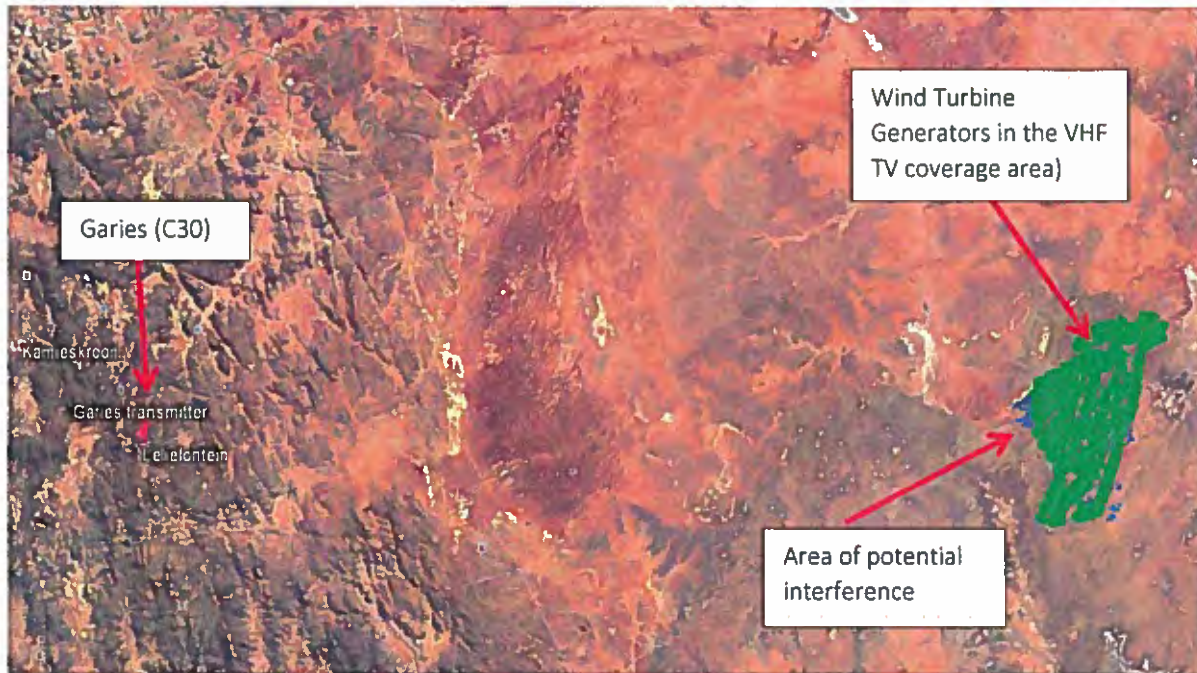
The planned Leeuwsberg Suite WTG's are close (between 108km and 117km) to the Garies and Calvinia transmitters respectively. These WTG's will consist of a total amount of 188 WTG's.

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.

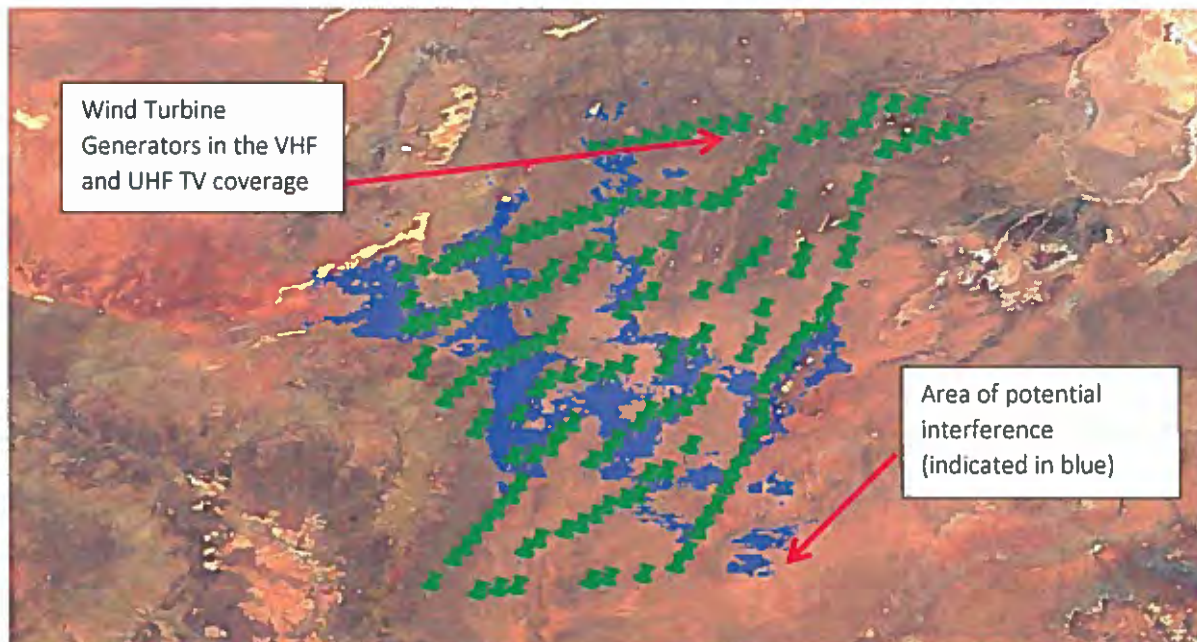
The only analogue service that might be affected which is SABC 2 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area. Digital UHF TV service that might be affected is Mux1 within the Garies (C30) and Calvinia (C21) transmitter stations coverage area.

Conclusion on the results and findings of the planned 188 total amount of WTG's in Leeuwsberg suite can be summarised as follows:

1. Potential interferences on analogue and Digital VHF/UHF TV coverage will not affect the quality of viewer services in the surrounding areas.
2. Potential interference on digital UHF TV coverage will not affect the quality of viewer services in the services in the surrounding areas
3. None of the existing analogue or DTT RBR broadcast feeds in the above mentioned areas will be affected;
4. No interference on FM services will be experienced;
5. None of the existing FM RBR feeds broadcast feeds in the area will be affected;




Map 1: Map indicating the affected area (blue) caused by 188 WTG's (Leeuwborg suite) on Garies Transmitter Site (C30) VHF /UHF TV transmitter SABC 2 and DTT Mux 1 area. (Google Earth Map)



Map 2: Map indicating the affected area (blue) caused by 188 WTG's (Leeuwborg suite) on Garies Transmitter Site (C30) VHF /UHF TV transmitter SABC 2 and DTT Mux 1 area. (Google Earth Map)



Map 3: Map indicating the affected area (blue) caused by 188 WTG's (Leeuwig suite) Garies Transmitter Site (C30) VHF /UHF TV transmitter SABC 2 and DTT Mux 1 area. (ICS Map)

	<p style="text-align: center;">SCOT</p>	<p style="text-align: center;">Technology</p>
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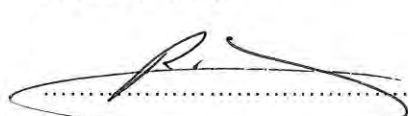
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V Naidoo
Chief Engineer (Lines)

Date: 24/02/2014

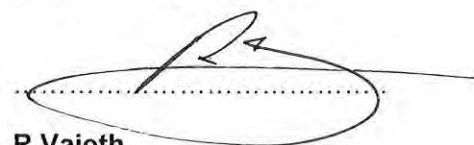
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