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## **APPENDIX 6: CORRESPONDENCE – ORIGINAL COMMENTS & RESPONSES**

### **6.1 Initial Notification**

### **6.2 Draft Scoping Notification**

### **6.3 Final Scoping Notification**

### **6.4 Draft EIA Notification**

**From:** PaulPuts  
**To:** ["Flores van der Colff"](#)  
**Subject:** RE: Registrasie as belanghebbende. FJ vd Colff epos. plaas. stilte@gmail.com Selfoon 0832352829  
**Date:** Thursday, January 17, 2019 12:17:00 PM

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Dear Flores

Thank you for your request to be registered as part of public participation. Your contact details has been added to the I&AP database.

Regards  
Aneesah Alwie

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

From: Flores van der Colff [<mailto:plaas.stilte@gmail.com>]  
Sent: Tuesday, January 15, 2019 14:38  
To: PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
Subject: Registrasie as belanghebbende. FJ vd Colff epos. plaas. stilte@gmail.com Selfoon 0832352829

Sent from my iPhone

**From:** PaulPuts  
**To:** ["Natasha Higgitt"](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Thursday, January 17, 2019 12:29:00 PM  
**Attachments:** [image002.png](#)  
[image004.png](#)

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Good Day Natasha

Thank you for your email.

Information provided in the email will be applied as required throughout the Environmental Authorisation Application Process.

Regards  
Aneesah Alwie

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**From:** Natasha Higgitt [mailto:[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)]  
**Sent:** Thursday, January 17, 2019 8:07  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Good morning,

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

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

Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application, and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.

Kind regards,

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Wednesday, January 16, 2019 3:34 PM  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**

Office Administrator, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



**Natasha Higgitt**

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency

- *A nation united through heritage* -

T: +27 21 462 4502/ 8660| C:+27 82 507 0378| F:+27 21 462 4509



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

[www.sahra.org.za](http://www.sahra.org.za)

\_\_\_\_\_

\_\_\_\_\_

**From:** PaulPuts  
**To:** ["Ontvangs"](#)  
**Cc:** [Sutherland LU : Abra van Wyk](#); [Oranjerivier LU : Louis Steyn](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Thursday, January 17, 2019 12:38:00 PM  
**Attachments:** [image003.png](#)  
[image004.png](#)

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Good Day

Thank you for forwarded the initial notification. The email addresses as CC'd into this email has been included as part of the I&AP database.

Regards  
Aneesah Alwie

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**From:** Ontvangs [<mailto:ontvangs@agrink.co.za>]  
**Sent:** Thursday, January 17, 2019 8:26  
**Cc:** Sutherland LU : Abra van Wyk <[abra@roggeveld.co.za](mailto:abra@roggeveld.co.za)>; Oranjerivier LU : Louis Steyn <[bestuurder@orlu.org.za](mailto:bestuurder@orlu.org.za)>  
**Subject:** FW: Initial Notification for the Proposed Paulputs Wind Energy Facility

Goeie dag

Sien asseblief meegaande dokumentasie. Indien u enige verdere navrae het, kontak asb direk met persoon wat e-pos gestuur het.

Vriendelike groete

*Lucelle van Niekerk*

**ONTVANGS : AGRI NOORD-KAAP**

**E-pos :** [ontvangs@agrink.co.za](mailto:ontvangs@agrink.co.za)

**Tel** : (053) 83 29595

**Faks** : (053) 83 27126

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** Wednesday, January 16, 2019 3:34 PM  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**  
Office Administrator, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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8001

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**From:** PaulPuts  
**To:** ["Dirkie Hopkins"](#)  
**Subject:** RE: 3073 Paulputs  
**Date:** Thursday, January 17, 2019 12:45:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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Good Day Dirkie

Thank you for your email. Ricus Brand (occupier) has been added as an I&AP on the database and will receive correspondence going forth.

Regards  
Aneesah Alwie

---

**From:** Dirkie Hopkins [mailto:[dirkiehopkins@easycoms.co.za](mailto:dirkiehopkins@easycoms.co.za)]  
**Sent:** Thursday, January 17, 2019 8:29  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** 3073 Paulputs

Goeie dag Aneesah

Dankie vir jou epos.

Jy kan asb die naam van Ricus Brand, selno:0849210170 en eposadres: [ricusbrand@gmail.com](mailto:ricusbrand@gmail.com) byvoeg op jou lys, as die bewoner op ons eiendom.

Vriendelike groete

Gerda Hopkins  
0823401665  
0285371950

---

**From:** PaulPuts [mailto:[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)]  
**Sent:** Wednesday, 16 January 2019 3:22 PM  
**To:** PaulPuts  
**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Landowner,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as a landowner for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Landowners (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**

Office Administrator, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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8001

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Virus-free. [www.avg.com](http://www.avg.com)

**From:** PaulPuts  
**To:** ["John Geeringh"](#)  
**Cc:** [Mpilo Masondo](#); [Pumza Jizana](#); [Martina Phiri](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Wednesday, January 23, 2019 11:30:00 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day John

Once again thank you for your email received 22 January 2019. The developer will be in contact with Eskom directly regarding.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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---

**From:** John Geeringh [mailto:GeerinJH@eskom.co.za]  
**Sent:** Tuesday, January 22, 2019 12:45  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Cc:** Mpilo Masondo <MasondMM@eskom.co.za>; Pumza Jizana <JizanaP@eskom.co.za>; Martina Phiri <PhiriM@eskom.co.za>  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Eskom, in conjunction with the other IPP's around Paulputs substation is planning a collector substation just south-west of Paulputs substation. This is to prevent too many direct connections to Paulputs substation. I would suggest that you get in contact (via your developer) with the other IPP doing the solar development to the south of Paulputs as well as Abengoa. The new collector station will be on the farm Konkoonsies portion 6. Please note that the developer has to contact Eskom via the Grid Access Unit ASAP to ensure that your studies are focussed on the correct connection point at Paulputs.

Regards

John Geeringh (Pr Sci Nat)  
Senior Consultant Environmental Management  
Group Capital Division: Land Development and Management  
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  
P O Box 1091, Johannesburg, 2000.  
Tel: 011 516 7233  
Cell: 083 632 7663  
Fax: 086 661 4064  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)



---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 22 January 2019 11:59 AM  
**To:** John Geeringh  
**Cc:** Mpilo Masondo; Pumza Jizana; Martina Phiri  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear John and Colleagues

Thank you for your email. Please find attached the KMZ File which reflects the site boundary and grid connection route.

I have also sent your email, dated 17 January 2019 to the client for further correspondence.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Cnr Long Street and Hans Strijdom Ave  
Cape Town  
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**From:** John Geeringh [<mailto:GeerinJH@eskom.co.za>]

**Sent:** Thursday, January 17, 2019 9:16

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Mpilo Masondo <[MasondMM@eskom.co.za](mailto:MasondMM@eskom.co.za)>; Pumza Jizana <[JizanaP@eskom.co.za](mailto:JizanaP@eskom.co.za)>; Martina Phiri <[PhiriM@eskom.co.za](mailto:PhiriM@eskom.co.za)>

**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Please find attached general Eskom requirements for works at or near Eskom servitudes and infrastructure. Please find attached also the Eskom setbacks guideline for renewable energy infrastructure in relation to Eskom infrastructure and servitudes. Please send me KMZ files of the affected properties, proposed grid connection routes and other activities planned on site. The Paulputs substation area is very congested and it will take careful planning between the developer, Eskom and other IPP developments in the area to ensure that accessibility to the substation for future expansion is not hampered. I have copied other Eskom colleagues in this response since they are busy with the future development of grid infrastructure at the Paulputs substation. I suggest that you set up a meeting with them and your developer to ensure all planning is properly coordinated.

Kind regards

John Geeringh (Pr Sci Nat)  
Senior Consultant Environmental Management  
Group Capital Division: Land Development and Management  
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  
P O Box 1091, Johannesburg, 2000.  
Tel: 011 516 7233  
Cell: 083 632 7663  
Fax: 086 661 4064  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)



---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]



**Sent:** 16 January 2019 03:34 PM

**To:** PaulPuts

**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**

Office Administrator, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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[http://www.eskom.co.za/Pages/Email\\_Legal\\_Spam\\_Disclaimer.aspx](http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx)

16 Januarie 2019

Geagte Belanghebbende en Geaffekteerde Party

**AANVANKLIKE KENNISGEWING**

**RE: Aansoek om omgewingsmagtiging vir die Voorgestelde Paulputs-windkragaanleg en gepaardgaande infrastruktuur in die Noord-Kaap**

Paulputs Wind Energy Facility (RF) (Edms.) Bpk. stel die oprigting van die 300 MW Paulputs-windkragaanleg (WEF) en gepaardgaande infrastruktuur, insluitende netwerkverbindings (die Voorgestelde Ontwikkeling), voor. Dit is ongeveer 50 km van Pofadder in die Noord-Kaap geleë.

Arcus Consultancy Services South Africa (Edms.) Bpk. ("Arcus") is aangestel as die onafhanklike omgewingsimpak-assesseringspraktisyn (EAP) om die omgewingsimpakstudieproses (EIA) vir omgewingsmagtiging ingevolge Hoofstuk 5 van die Wet op Nasionale Omgewingsbestuur, 1998 (Wet 107 van 1998 - NEMA) soos gewysig, vir die Voorgestelde Ontwikkeling te onderneem.

'n Aansoek om 'n Omvangbepaling- en Omgewingsimpak-assesseringsproses (EIA) vir die Voorgestelde Paulputs-windkragaanleg en gepaardgaande infrastruktuur sal aan die Departement van Omgewingsake (DEA), vir 'n besluit voorgelê word.

U ontvang hierdie aanvanklike kennisgewing omdat u vooraf geïdentifiseer is as 'n Belanghebbende en Geaffekteerde Party (B&GP). Openbare deelname is 'n belangrike deel van die omgewingsmagtigingsproses. Dit bied B&GP's die geleentheid om inligting te verkry, kommentaar te lewer, kwesies wat kommer wek te opper en saam te werk aan die magtigingsproses. Kommentaar, voorstelle en insette van die publiek, saam met spesialiste se assesserings van die verskillende omgewingsimpakte van die projek, sal die Departement van Omgewingsake (DEA) met hul besluitnemingsproses help.

Indien u enige kommentaar, vrae, navrae, bekommernisse of meer inligting oor die voorgestelde ontwikkeling wil ontvang in enige stadium van die EIA-proses na vore wil bring, kontak Arcus asseblief op die volgende maniere:

**Kontak** : Aneesah Alwie  
**Veryswing** : 3073 Paulputs WEF

**Pos** : Kantoor 220, Cube Workspace, Icon Building  
h/v Langstraat en Hans Strijdomweg, Kaapstad, 8001

**Telefoon** : +27 21 412 1529

**Faks** : +27 86 762 2885

**E-pos** : [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

Arcus Consultancy Services South Africa (Edms.) Beperk  
Kantoor 220, Cube Workspace, h/v Langstraat en Hans Strijdomweg, Kaapstad, 8001  
T: +27 21 412 1529 ; W: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)  
In Suid-Afrika geregistreer, Nr. 2015/416206/07

16 January 2019

Dear Interested & Affected Party,

**INITIAL NOTIFICATION**

**RE: Application for Environmental Authorisation for the Proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province**

Paulputs Wind Energy Facility (RF) (Pty) Ltd is proposing the up to 300 MW Paulputs Wind Energy Facilities (WEF), and associated infrastructure including grid connection infrastructure (the proposed development), located approximately 50 km from Pofadder in the Northern Cape Province.

Arcus Consultancy Services South Africa (Pty) Ltd ('Arcus') has been appointed to act as the independent environmental impact assessment practitioner (EAP) to undertake the environmental impact assessment (EIA) process for Environmental Authorisation under Chapter 5 of the National Environmental Management Act, 1998 (Act 107 of 1998 – NEMA) as amended, for the Proposed Development.

An application for a Scoping and Environmental Impact Assessment (EIA) process for the Proposed Paulputs Wind Energy Facility and associated infrastructure will be submitted to the Department of Environmental Affairs (DEA), for a decision.

You are receiving this initial notification because you were pre-identified as an Interested & Affected Party (I&AP). Public Participation is an important part of the environmental authorisation process. It offers I&APs the opportunity to obtain information, comment, raise issues of concern and collaborate in the authorization process. Comments, suggestions and inputs from the public, along with specialists assessments of the various environmental impacts of the project will assist the Department of Environmental Affairs (DEA) in their decision making process.

Should you have any comments, questions, queries, concerns or wish to receive more information about the proposed development at any stage of the EIA process, please contact Arcus through the following ways:

**Contact** : Aneesah Alwie  
**Reference** : 3073 Paulputs WEF

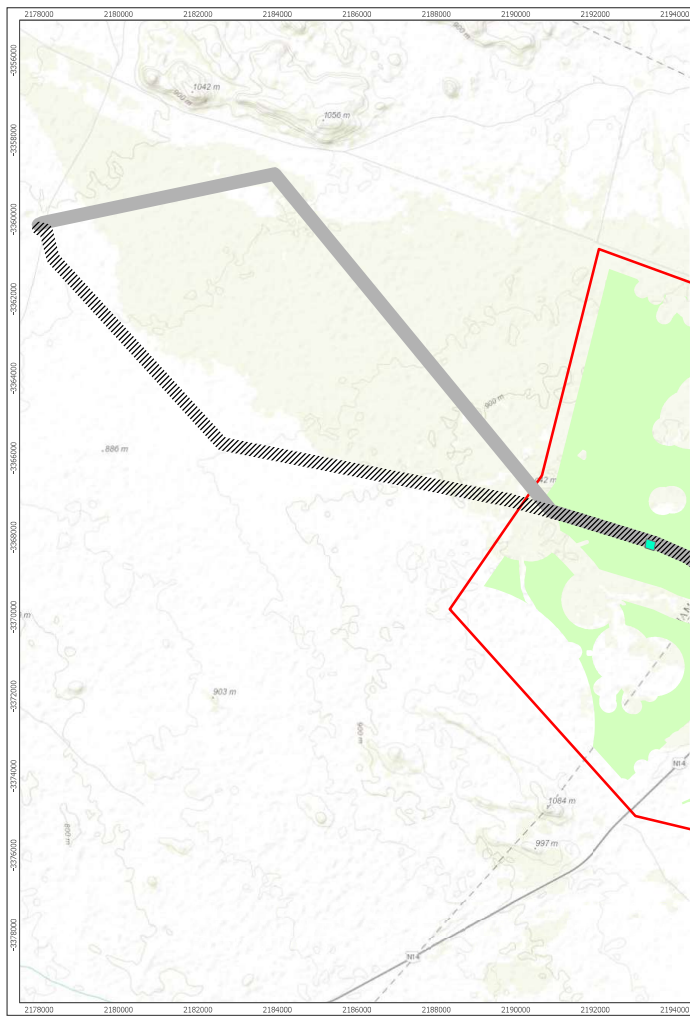
**Post** : Office 220 Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Road, Cape Town, 8001

**Telephone** : +27 21 412 1529

**Fax** : +27 86 762 2885

**Email** : [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Z:\GIS\Projects\3073 Paulputs WEF EIA\3073 Paulputs WEF EIA\3073-REP-001\_Fig 1 Site Location

Eskom requirements for work at or near Eskom infrastructure.

1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager.

Note: Where and electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

John Geeringh (Pr Sci Nat)

Senior Consultant Environmental Management  
Eskom GC: Land Development

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	SCOT	Technology
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Title: Renewable Energy Generation Plant Setbacks to Eskom Infrastructure Unique Identifier: 240-65559775

Alternative Reference Number: N/A

Area of Applicability: Power Line Engineering




Documentation Type: Guideline

Revision: 1

Total Pages: 9

Next Review Date: N/A

Disclosure Classification: CONTROLLED DISCLOSURE

Compiled by  J W Chetty Mechanical Engineer Date: 23/11/2018	Approved by  B Nishuntsha Chief Engineer (Lines)	Authorised by  R A Vajeth Snr Manager (Lines) and SCOT/SC Chairperson Date: 16/11/2018
---	--	---

## EXECUTIVE SUMMARY

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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## 1. INTRODUCTION

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation.

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. The document specifies setback distances for transmission lines (220 kV to 765 kV), distribution lines (6.6 kV to 132 kV) and all Eskom substations. Setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

#### 2.1.1 Purpose

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and

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inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations.

### 2.1.2 Applicability

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations.

## 2.2 NORMATIVE/INFORMATIVE REFERENCES

### 2.2.1 Normative

1. <http://www.enviri.ec/orb.aw/c/lass=file/action=preview/id=1170403/Hiumaa+turbulence+impact+EMD.pdf>
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. [http://www.dsireusa.org/incentives/incentive.cfm?incentive\\_Code=PA11R&RE=1&EE=1](http://www.dsireusa.org/incentives/incentive.cfm?incentive_Code=PA11R&RE=1&EE=1)
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. [http://www.caw.ca/assets/pdf/Turbine\\_Safety\\_Report.pdf](http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf)
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards.

Wind energy 10.1002/we.468

### 2.2.2 Informative

None

## 2.3 DEFINITIONS

Definition	Description
Setback	The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/service etc.
Flicker	Effect caused when rotating wind turbine blades periodically cast shadows
Tip Height	The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1)

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## 2.3.1 Disclosure Classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

## 2.4 ABBREVIATIONS

Abbreviation	Description
None	

## 2.5 ROLES AND RESPONSIBILITIES

All personnel involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations must follow the setbacks outlined in this guideline.

## 2.6 PROCESS FOR MONITORING

Approval by Eskom in writing.

## 2.7 RELATED/SUPPORTING DOCUMENTS

None

## 3. DOCUMENT CONTENT

### 3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [5.0x10<sup>-6</sup>], the distances recorded were significant [750m<sup>8</sup>]

Setbacks were thus introduced to prevent any damage to Eskom infrastructure.

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Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors dictate the wind turbine setbacks specified in this document.

Concentrated solar plants and photovoltaic plants also can limit access into the substation for power lines of all voltages. A setback distance must therefore be employed to prevent the substation from being boxed in by these generation plants. These setback distances are specified in this document.

**3.2 ESKOM REQUIRED SETBACKS**

A formal application must be sent to and accepted by Eskom if any of the below mentioned setback distances are infringed upon:

- Eskom requires a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requires a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.
- An application must be sent to Eskom regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on the application.
- Where concentrated solar plants and photovoltaic structures fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), Eskom should be applied to for approval in writing during the planning phase of such plant or structures.
- Applicants must not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It must be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, an application must be sent through to Eskom as per the point mentioned above.

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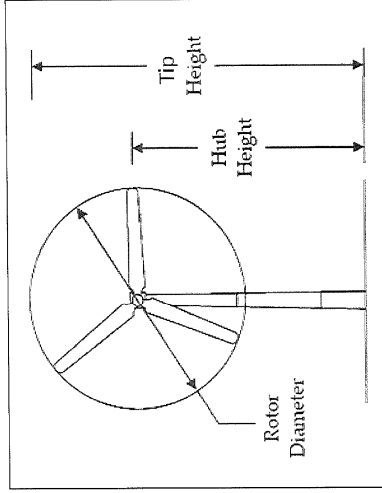


Figure 1: Horizontal Axis Wind Turbine [2]

**4. AUTHORISATION**

This document has been seen and accepted by:

Name & Surname	Designation
V Naidoo	Chief Engineer
Dr P H Pretorius	Electrical Specialist
J Geeringh	Snr Consultant Environ Mngt
B Hardass	Snr Consultant Engineer
R A Vajeth	Acting Snr Manager (Lines)

**5. REVISIONS**

Date	Rev.	Compiler	Remarks
November 2013	0	J W Chetty	First Publication - No renewable energy generation plant setback specification in existence
October 2018	1	JW Chetty	Modification to sub-section 3.2 to provide more clarity for application procedure

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## 6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan W Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter H Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz A Vajeth (Acting Snr Manager (Lines))

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**From:** [Cobin Minnie \\*Transnet Property PLZ](#)  
**To:** [Danie Kotzee \\*Transnet Property CPT](#)  
**Cc:** [Thandeka Nohoyeka Transnet Property PLZ](#); [Mark Moodaley \\*Transnet Property PLZ](#); [PaulPuts](#)  
**Subject:** FW: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Thursday, January 17, 2019 3:13:02 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[119011715131400319.png](#)  
[3073 Paulputs WEF I&AP Notification Eng.&Afr. 01.2019.pdf](#)

---

Hi Danie,

This application falls in your Region on the N14 near Pofadder (Aggeney?).

Can you please check if the property is near any Transnet land that may be affected and inform applicant.

Regards.



**Cobin Minnie**

Property Technician

Transnet Property

Geo-Spatial: Central Region

☎ +27 41 507 1324

☎ +27 41 507 2884 ✉ [cobin.minnie@transnet.net](mailto:cobin.minnie@transnet.net)

[www.transnet.net](http://www.transnet.net)

---

**From:** Thandeka Nohoyeka Transnet Property PLZ  
**Sent:** 17 January 2019 02:02 PM  
**To:** Cobin Minnie \*Transnet Property PLZ <[Cobin.Minnie@transnet.net](mailto:Cobin.Minnie@transnet.net)>  
**Subject:** FW: Initial Notification for the Proposed Paulputs Wind Energy Facility

Hi Cobin

Please check with office should be dealing with this as it is in the Northern Cape.

Kind Regards,



**Thandeka Nohoyeka**

Chief Property Technician

Transnet Property

Geo-Spatial: Central Region

📞 0415071316

📱 060 539 6809

☎ 0415072884

✉ thandeka.nohoyeka@transnet.net

www.transnet.net

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]

**Sent:** 16 January 2019 03:34 PM

**To:** PaulPuts

**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**

Office Administrator, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** PaulPuts  
**To:** ["Ntanganedzeni Ramasunzi"](#)  
**Cc:** [Zongezile Bango](#); [Magezi Mhlanga](#)  
**Subject:** RE: Requirement of the location of the proposed project.  
**Date:** Monday, January 21, 2019 4:49:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[3073 Paulputs WEF Site Boundary.kml](#)

---

Good Day

Thank you for your email received.

Please find attached the KMZ of the Proposed Development Site Boundary for your attention. Furthermore, I have included the details of the landowners in the table below:

<b>Farm name and Portion</b>	<b>Municipality / Division / Province</b>	<b>21 Digit Surveyor code</b>
Scuitklip 92/2	Kenhardt DC, Kenhardt div, NC	C03600000000009200002
Scuitklip 92/3	Kenhardt DC, Kenhardt div, NC	C03600000000009200003
Scuitklip 92/5	Kenhardt DC, Kenhardt div, NC	C03600000000009200005
Lucasvlei 93/1	Kenhardt DC, Kenhardt div, NC	C03600000000009300001
Lucasvlei 93/2	Kenhardt DC, Kenhardt div, NC	C03600000000009300002
Lucasvlei 93/4	Kenhardt DC, Kenhardt div, NC	C03600000000009300004

Please contact me if you require any further information.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Cnr Long Street and Hans Strijdom Ave  
Cape Town  
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---

**From:** Ntanganedzeni Ramasunzi [mailto:Ntanganedzeni.Ramasunzi@drdlr.gov.za]

**Sent:** Monday, January 21, 2019 10:38

**To:** PaulPuts <paulputs@arcusconsulting.co.za>

**Cc:** Zongezile Bango <zongezile.bango@drdlr.gov.za>; Magezi Mhlanga <magezi.mhlanga@drdlr.gov.za>

**Subject:** Requirement of the location of the proposed project.

Good day

As per our agreement that you will send the letter with exact location of the land, We are kindly reminding you that we are still waiting for letter in order to start with the project. Please find the attached letter and provide us with relevant information required.

Kind regards

Ntanga

**From:** PaulPuts  
**To:** ["Itumeleng Mashune"](#)  
**Subject:** RE: Paulputs  
**Date:** Monday, January 21, 2019 4:51:00 PM  
**Attachments:** [3073 - Paulputs WEF Site Boundary.kml](#)  
[image001.png](#)  
[image002.png](#)

---

Good Day

Thank you for your email received.

Please find attached the KMZ of the Proposed Development Site Boundary for your attention. Furthermore, I have included the details of the landowners in the table below:

<b>Farm name and Portion</b>	<b>Municipality / Division / Province</b>	<b>21 Digit Surveyor code</b>
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Scuitklip 92/3	Kenhardt DC, Kenhardt div, NC	C03600000000009200003
Scuitklip 92/5	Kenhardt DC, Kenhardt div, NC	C03600000000009200005
Lucasvlei 93/1	Kenhardt DC, Kenhardt div, NC	C03600000000009300001
Lucasvlei 93/2	Kenhardt DC, Kenhardt div, NC	C03600000000009300002
Lucasvlei 93/4	Kenhardt DC, Kenhardt div, NC	C03600000000009300004

Please contact me if you require any further information.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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---

**From:** Itumeleng Mashune [mailto:Itumeleng.Mashune@drdlr.gov.za]

**Sent:** Monday, January 21, 2019 12:25

**To:** PaulPuts <paulputs@arcusconsulting.co.za>

**Subject:** Paulputs

Good day Sir or Madam

The attached matter refers.

We hereby request that you indicate proper property description so that we maybe able to determine if we are needed/ relevant stakeholders to comment.

Kind regards

Deputy Director: Tenure Systems Implementation

PSSC: Northern Cape

Tel: 053 830 4000

Cell: 0798760481



**From:** PaulPuts  
**To:** ["Cynthia Nkoane"](#)  
**Cc:** [Deidre Koopman](#); [Itumeleng Mashune](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Tuesday, January 22, 2019 12:59:00 PM  
**Attachments:** [image003.png](#)  
[image004.png](#)

---

Dear Cynthia

Thank you for your email, it is noted that your directorate has no comment / input to make.

The Tenure Directorate has received the details of the farm portions and KMZ.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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---

**From:** Cynthia Nkoane [mailto:Cynthia.Nkoane@drdlr.gov.za]  
**Sent:** Tuesday, January 22, 2019 11:24  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Cc:** Deidre Koopman <Deidre.Koopman@drdlr.gov.za>; Itumeleng Mashune <Itumeleng.Mashune@drdlr.gov.za>  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Aneesah

Thank you for the information. I am unable to open the attachment, however the table provides sufficient information, and I have confirmed that the DRDLR, nor any of our beneficiaries, are owners of the properties directly involved.

The DRDLR, therefore doesn't have any comments/ inputs to make.

Given the location however, there *may* be neighbouring communities in the area that are affected/ interested. Mr Itumeleng Mashune, an official in our Tenure Directorate, may have further information for you on that [he works with communities on TRANCRAA land]. His directorate would need further information to confirm this. IF there is any relation, then the relevant CPA/communities should be contacted. (I have included him in this e-mail for ease of reference and clarity.)

The DRDLR, itself, will not need to be involved going forward.

Kind Regards  
Cindy

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 21 January 2019 16:52  
**To:** Cynthia Nkoane  
**Cc:** Deidre Koopman  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Good Day

Thank you for your email received.

Please find attached the KMZ of the Proposed Development Site Boundary for your attention. Furthermore, I have included the details of the landowners in the table below:

<b>Farm name and Portion</b>	<b>Municipality / Division / Province</b>	<b>21 Digit Surveyor code</b>
Scuitklip 92/2	Kenhardt DC, Kenhardt div, NC	C0360000000009200002
Scuitklip 92/3	Kenhardt DC, Kenhardt div, NC	C0360000000009200003
Scuitklip 92/5	Kenhardt DC, Kenhardt div, NC	C0360000000009200005
Lucasvlei 93/1	Kenhardt DC, Kenhardt div, NC	C0360000000009300001
Lucasvlei 93/2	Kenhardt DC, Kenhardt div, NC	C0360000000009300002
Lucasvlei 93/4	Kenhardt DC, Kenhardt div, NC	C0360000000009300004

Please contact me if you require any further information.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

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---

**From:** Cynthia Nkoane [<mailto:Cynthia.Nkoane@drdlr.gov.za>]

**Sent:** Monday, January 21, 2019 12:41

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Deidre Koopman <[Deidre.Koopman@drdlr.gov.za](mailto:Deidre.Koopman@drdlr.gov.za)>

**Subject:** FW: Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Aneesah

Your below e-mail has been forwarded to the Property Management Directorate of the PSSC: NC, in order to confirm DRDLR ownership of the properties involved/ affected.

I assume that as you have identified the DRDLR as an interested and affected party, you have already done this (via the Registrar of Deeds), however we need the precise **property description(s), [Farm number, name, and registration division (RD)]**, for any/all properties involved, in order to confirm this.

It would be appreciated if you would provide the requested information. It is only then that we will be able to respond appropriately.

Kind regards  
Cindy Nkoane  
(053) 830 4000/24

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]

**Sent:** Wednesday, 16 January 2019 15:34

**To:** PaulPuts

**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**  
Office Administrator, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** PaulPuts  
**To:** ["Karen Clark"](#)  
**Subject:** RE: Proposed Paulputs Wind Energy Facility  
**Date:** Tuesday, January 22, 2019 12:26:00 PM  
**Attachments:** [image001.png](#)

---

Good Day Karen

Thank you for your email. You have been included on the I&AP Database.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

---

**From:** Karen Clark [mailto:[KarenC@l2b.co.za](mailto:KarenC@l2b.co.za)]  
**Sent:** Monday, January 21, 2019 16:49  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** Proposed Paulputs Wind Energy Facility

Good day,

Please be so kind as to register me as an I&AP.

Thank you.

--

Kind Regards,

Karen Clark  
Regional Content Researcher

Leads 2 Business ([www.L2B.co.za](http://www.L2B.co.za))  
Tel: 033 343 1130 or 0860 836337 (0860 TENDER)  
Fax: 033 343 5882

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**From:** [PaulPuts](#)  
**To:** [cobus.greeff66@gmail.com](mailto:cobus.greeff66@gmail.com)  
**Cc:** [PaulPuts](#)  
**Subject:** Paulputs WEF  
**Date:** Thursday, January 24, 2019 5:38:17 PM  
**Attachments:** [3073-REP-002 Figure 5.1 Proposed Development Plan.pdf](#)  
[image007.png](#)  
[image008.png](#)

---

Dear Cobus,

Thank you for your call earlier regarding the proposed Paulputs WEF. Your concern regarding Stock theft increasing in the area is recorded and will be included and addressed in the Comments & Responses Report.

In response to your query regarding the exact location of the site I attach a map from the upcoming Scoping Report. Please note that the displayed turbine layout is not final. Let me know should this not answer your query fully.

You will be kept informed with the progress of the project and I have added the e-mail address to our database for future communications.

Kind Regards,

**Anja Albertyn**  
Environmental Practitioner

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Cape Town  
8001

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**From:** PaulPuts  
**To:** ["RS van Rooyen"](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Friday, February 1, 2019 12:19:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Hi Bonzo

Thank you for the email. Your response is noted.

Regards  
Aneesah Alwie

---

**From:** RS van Rooyen [<mailto:bonzo@lantic.net>]  
**Sent:** Friday, February 1, 2019 12:03  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

I am the only occupant on RE/78

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 01 February 2019 12:00 PM  
**To:** RS van Rooyen <[bonzo@lantic.net](mailto:bonzo@lantic.net)>  
**Cc:** [jhbprok@lantic.net](mailto:jhbprok@lantic.net)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

Good Day

Thank you for your email.

Please can you confirm if there are any occupiers on your Farm(s)? it is important that we keep them informed and up to date with the application process as well.

Please can you provide the name and contact numbers if applicable.

Thank You

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)



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---

**From:** RS van Rooyen [<mailto:bonzo@lantic.net>]  
**Sent:** Monday, January 28, 2019 14:26  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** [jhbprok@lantic.net](mailto:jhbprok@lantic.net)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility

To confirm particulars for portion RE/78

Owner : JHP van der Westhuizen Familie Trust

Trustees : MEJ van Rooyen  
RS van Rooyen  
JHB van der Merwe

Email : [bonzo@lantic.net](mailto:bonzo@lantic.net)  
Cell : 082 578 5986

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 28 January 2019 01:26 PM  
**Subject:** Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Surrounding Landowner,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as a landowner for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

**Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for**

**Surrounding Landowners (in English and Afrikaans). I have also attached a Map of the Paulputs Site and Surrounding Farms. Please can you confirm which farm you own and provide the contact details and email addresses of your occupiers and neighbouring farm owners.**

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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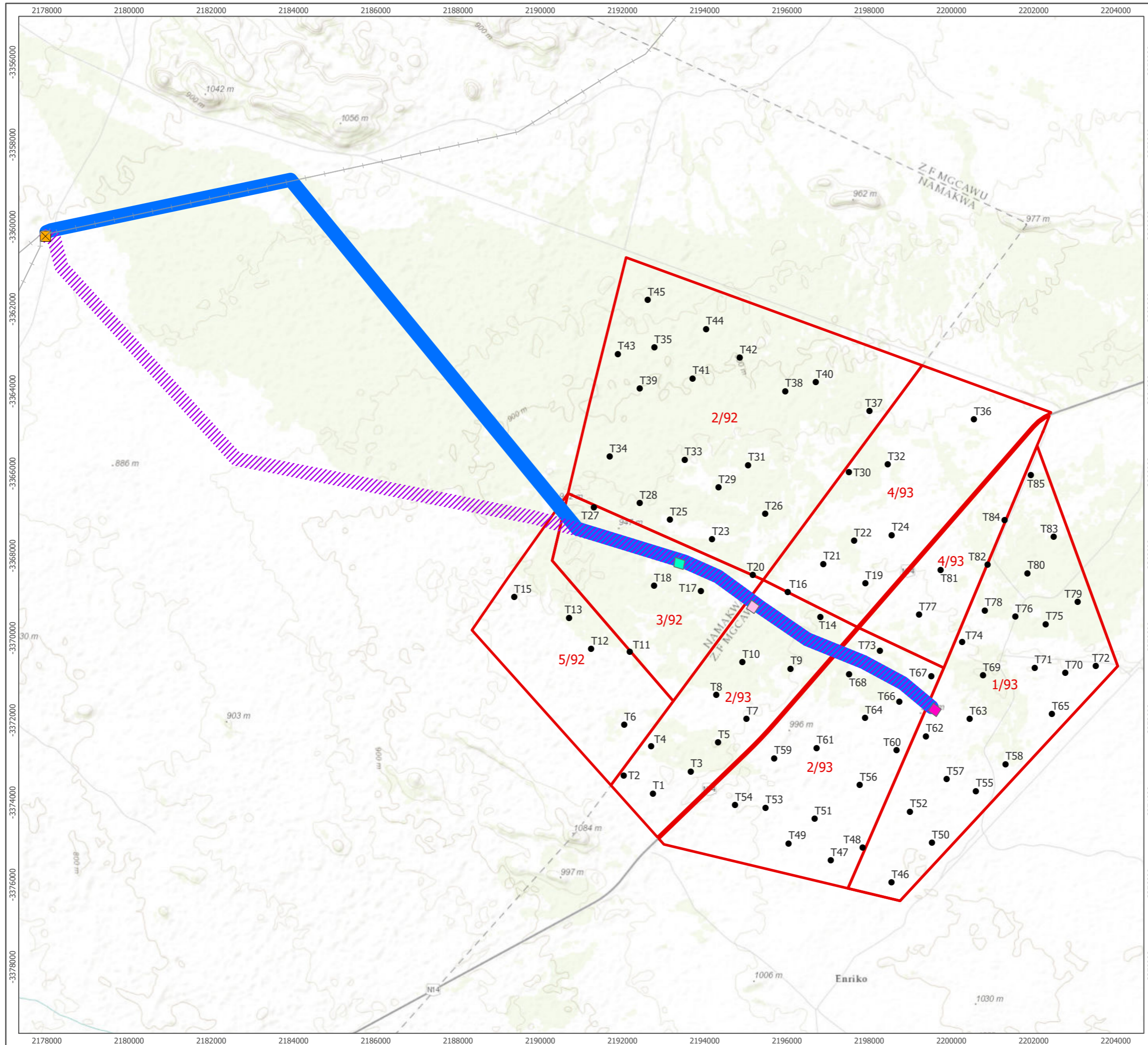
Cnr Long Street and Hans Strijdom Ave

Cape Town

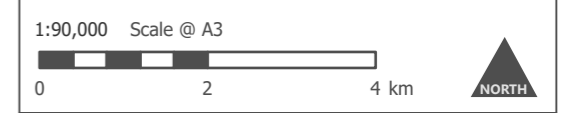
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- Farm Portions
- Preliminary Turbine Layout
- Existing Eskom Substation
- Existing Eskom Transmission Lines
- Paulputs Substation Compound Option A
- Paulputs Substation Compound Option B
- Paulputs Substation Compound Option C
- Grid Option 1
- Grid Option 2



Produced By: MB	Ref: 3073-REP-002
Checked By: AA	Date: 16/01/2019

**Proposed Development Plan**  
Figure 5.1

**Paulputs WEF**  
Scoping Report

**From:** PaulPuts  
**To:** ["Musa Baloye"](#)  
**Cc:** [Selaelo Matlhane - SKA](#); [Busang Sethole](#); [Adrian Tiplady](#); [Tshegofatso Monama](#); [Thato Nape](#)  
**Subject:** RE: Initial Notification for the Proposed Paulputs Wind Energy Facility  
**Date:** Friday, February 1, 2019 12:26:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Dear Musa

The comments from SARAO has been received. Conclusions based on the assessment conducted is understood.

SARAO will be kept informed of the development of this project throughout the PPP process.

Thank You

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** Musa Baloye [mailto:[mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)]  
**Sent:** Thursday, January 31, 2019 14:21  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Selaelo Matlhane - SKA <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>; Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>; Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>; Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>; Thato Nape <[tnape@ska.ac.za](mailto:tnape@ska.ac.za)>  
**Subject:** Re: Initial Notification for the Proposed Paulputs Wind Energy Facility

Dear Aneesah

Kindly find the attached letter from SARAO.

Thank you.

Regards

On Wed, Jan 16, 2019 at 7:38 PM Selaelo Matlhane - SKA <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)> wrote:

For you action.

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

**From:** Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>

**Date:** Wed, 16 Jan 2019 at 17:59

**Subject:** Fwd: Initial Notification for the Proposed Paulputs Wind Energy Facility

**To:** Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>, Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>

----- Forwarded Message -----

**Subject:**Initial Notification for the Proposed Paulputs Wind Energy Facility

**Date:**Wed, 16 Jan 2019 13:33:44 +0000

**From:**PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**To:**PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

Dear Interested and Affected Party,

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

You are receiving this notification as you have been pre-identified as an Interested and Affected Party for the proposed development. This email provides notification of the proposed development and is the first step in the Public Participation Process (PPP).

Please find attached for your interest the Paulputs Wind Energy Facility Initial Notification for Interested and Affected Parties (in English and Afrikaans).

Should you wish to no longer receive notifications for the abovementioned project, please respond accordingly.

Please do not hesitate to contact me, should you have any further concerns or requirements.

Thank You.

Kind Regards

**Aneesah Alwie**

Office Administrator, South Africa



---

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

---

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---



--

**Musa Baloye**

**Project Coordinator**

South African Radio Astronomy Observatory (SARAO)  
17 Baker Street, Rosebank, Johannesburg, 2196

Email: [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)

Website: [www.ska.ac.za](http://www.ska.ac.za)

Ms. Aneesah Alwie  
Arcus Consultancy Services Ltd  
Office 220 Cube Workspace, Icon Building  
Cnr long Street and Hans Stridjom road, Cpt, 8001

Email:paulputs@arcusconsulting.co.za

Date: 31 January 2019

Dear Ms. Alwie

**Re: Application for Environmental Authorisation for the Proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

This letter is in response to the initial scoping and authorisation letter for the above wind energy facility and the potential impact it has on the SKA project. We have considered the proposed development, and conducted a basic high level assessment to determine the potential impact. We have concluded as follows:

- i. Based on the approximate location provided, the facility will present a very low risk of interference at the nearest telescope (SKA008) on the SKA spiral arm.
- ii. The preliminary assessment based on the SANS211 limits, indicates that the emissions levels from the facilities will fall below the required spectral density threshold for protection of the telescope against electromagnetic interference.
- iii. It is advisable that you provide the facility's electromagnetic emission levels at a later stage and ensure that the levels do not exceed limits prescribed in SANS211 standards.

Any radio communication services and equipment located within the declared Karoo Central Astronomy Advantage Area shall be required to comply with the relevant regulations as promulgated.

SARAO does not object the project at the current stage, however, we would like to be kept informed of the developments with this project and reserves the right to further risk assessments at a later stage.

Regards,



Mr Selaelo Matlhane  
Spectrum & Telecommunication Manager  
South African Radio Astronomy Observatory (SARAO)  
Tel: 011 442 2434  
Email: smathlane@ska.ac.za

[www.ska.ac.za](http://www.ska.ac.za)

The South African Radio Astronomy Observatory (SARAO) is a National Facility managed by the National Research Foundation and incorporates all national radio astronomy telescopes and programmes. SARAO is responsible for implementing the Square Kilometre Array (SKA) in South Africa.

**From:** [PaulPuts](#)  
**Bcc:** ["marelizebrand3@gmail.com"](#); ["tgnvisser@telkomsa.net"](#); ["witieza.claassens@hotmail.co.za"](#);  
["willemmarais121@gmail.com"](#); ["erikmarkram@gmail.com"](#); ["cobus.greeff66@gmail.com"](#);  
["bladgrond@gmail.com"](#); ["dinky4x4@webmail.co.za"](#)  
**Subject:** RE: Proposed Paulputs Wind Energy Facility, Request for Occupier Details  
**Date:** Wednesday, February 6, 2019 3:18:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day / Goeie Dag

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province**

It is important that occupiers and workers on your farm are aware of the proposed development and are notified of all processes. Please can you send me a list of the occupiers and workers on your farm to enable us to add them on to the I&AP Database and keep them informed of the progress of the proposed development.

Thank You.

Kind Regards

**Aneesah Alwie**

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** PaulPuts  
**To:** ["Dinky Compion"](#)  
**Subject:** RE: Proposed Paulputs Wind Energy Facility, Request for Occupier Details  
**Date:** Tuesday, February 12, 2019 2:40:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day Annie

Thank you for your email. Your response is appreciated and noted that there are no permanent occupiers other than your family on the pieces of land owned by our farming entities.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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---

**From:** Dinky Compion [mailto:dinky4x4@webmail.co.za]

**Sent:** Monday, February 11, 2019 17:28

**To:** PaulPuts <paulputs@arcusconsulting.co.za>

**Subject:** RE: Proposed Paulputs Wind Energy Facility, Request for Occupier Details

Goodday Aneesah

I am referring to your email below.

We do not have any permanent workers on any of our farms. We only use contract workers and / or casuals. They do not stay longer than one week on the farm. In our area it is very difficult to appoint permanent employees as the mines and solar projects attracts all the skilled and reliable workers. We cannot compete with the remuneration packages that they offer.

We also do not have any occupants other than our family (myself, my husband and

children) that live on any of our farms.

Please find attached a copy of the map. I've marked the pieces of land owned by our farming entities, which are:

1. 7 / 93
2. 3 / 138
3. 6 / 140
4. 2 / 139

The contact details of the other farm owners can be obtained from Mr Van der Colff himself.

Kind regards

ANNIE COMPION CA (SA)  
SAICA Membership no 04905251  
Cell: 071 896 5961  
PO Box 211  
POFADDER  
8890

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]

**Sent:** Wednesday, February 6, 2019 3:18 PM

**Subject:** RE: Proposed Paulputs Wind Energy Facility, Request for Occupier Details

Good Day / Goeie Dag

**RE: Application for Environmental Authorisation for the proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province**

It is important that occupiers and workers on your farm are aware of the proposed development and are notified of all processes. Please can you send me a list of the occupiers and workers on your farm to enable us to add them on to the I&AP Database and keep them informed of the progress of the proposed development.

Thank You.

Kind Regards

**Aneesah Alwie**

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** PaulPuts  
**To:** ["Itumeleng Mashune"](#)  
**Subject:** RE: Notification of Paulputs WEF and Grid Connection Draft Scoping Report  
**Date:** Wednesday, February 20, 2019 1:16:00 PM  
**Attachments:** [3073 - Paulputs WEF Site Boundary.kml](#)  
[image001.png](#)  
[image002.png](#)

---

Good Day

Thank you for your email received.

Please find attached the KMZ of the Proposed Development Site Boundary for your attention. Furthermore, I have included the details of the landowners in the table below:

<b>Farm name and Portion</b>	<b>Municipality / Division / Province</b>	<b>21 Digit Surveyor code</b>
Scuitklip 92/2	Kenhardt DC, Kenhardt div, NC	C0360000000009200002
Scuitklip 92/3	Kenhardt DC, Kenhardt div, NC	C0360000000009200003
Scuitklip 92/5	Kenhardt DC, Kenhardt div, NC	C0360000000009200005
Lucasvlei 93/1	Kenhardt DC, Kenhardt div, NC	C0360000000009300001
Lucasvlei 93/2	Kenhardt DC, Kenhardt div, NC	C0360000000009300002
Lucasvlei 93/4	Kenhardt DC, Kenhardt div, NC	C0360000000009300004

Please contact me if you require any further information.

Kind Regards

**Aneesah Alwie**  
 Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
 Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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---

**From:** Itumeleng Mashune [mailto:Itumeleng.Mashune@drdlr.gov.za]  
**Sent:** Tuesday, February 19, 2019 14:46  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Subject:** RE: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Greetings

Please provide us with the proper property description in order for us to respond.

Kind regards

---

**From:** PaulPuts [mailto:paulputs@arcusconsulting.co.za]  
**Sent:** 19 February 2019 09:47 AM  
**To:** [plaas.stilte@gmail.com](mailto:plaas.stilte@gmail.com); [fj.opiklip@gmail.com](mailto:fj.opiklip@gmail.com); [dirkiehopkins@easycoms.co.za](mailto:dirkiehopkins@easycoms.co.za); [ricusbrand@gmail.com](mailto:ricusbrand@gmail.com); [dinky4x4@webmail.com](mailto:dinky4x4@webmail.com); [tgnvisser@telkomsa.net](mailto:tgnvisser@telkomsa.net); [erikmarkram@gmail.com](mailto:erikmarkram@gmail.com); [cobus.greeff66@gmail.com](mailto:cobus.greeff66@gmail.com); [bonzo@lantic.net](mailto:bonzo@lantic.net); [witieza.claassens@hotmail.co.za](mailto:witieza.claassens@hotmail.co.za); [jhbprok@lantic.net](mailto:jhbprok@lantic.net); [willemmarais121@gmail.com](mailto:willemmarais121@gmail.com); [marelizebrand3@gmail.com](mailto:marelizebrand3@gmail.com); [charles.march@abengoa.com](mailto:charles.march@abengoa.com); [info@experienortherncape.com](mailto:info@experienortherncape.com); [westy@kaigarib.gov.za](mailto:westy@kaigarib.gov.za); [admin@zfm-dm.gov.za](mailto:admin@zfm-dm.gov.za); [vries@khaima.gov.za](mailto:vries@khaima.gov.za); [dmartin@ncpg.gov.za](mailto:dmartin@ncpg.gov.za); [bfisher@ncpg.gov.za](mailto:bfisher@ncpg.gov.za); [naninevanolmen@live.nl](mailto:naninevanolmen@live.nl); [nwabisa.qwanyashe@dmr.gov.za](mailto:nwabisa.qwanyashe@dmr.gov.za); [Sunday.mabaso@dmr.gov.za](mailto:Sunday.mabaso@dmr.gov.za); [jacolineMa@daff.gov.za](mailto:jacolineMa@daff.gov.za); [MashuduMa@daff.gov.za](mailto:MashuduMa@daff.gov.za); [MmaphakaT@daff.gov.za](mailto:MmaphakaT@daff.gov.za); [SteveGAL@daff.gov.za](mailto:SteveGAL@daff.gov.za); [RebeccaT@daff.gov.za](mailto:RebeccaT@daff.gov.za); [Mvusiwekhaya@gmail.com](mailto:Mvusiwekhaya@gmail.com); [nozipho@doc.gov.za](mailto:nozipho@doc.gov.za); [cfortune@agri.ncape.gov.za](mailto:cfortune@agri.ncape.gov.za); [aliditeme@ncpg.gov.za](mailto:aliditeme@ncpg.gov.za); Aphiwe Fayindlala; Katshaba Gaofhiwe; DG Office; Karen van Schalkwyk; Malebo Baloi; Ramaleho Saila; Zongezile Bango; [Mdakanep@dwa.gov.za](mailto:Mdakanep@dwa.gov.za); [AbrahamsA@dws.gov.za](mailto:AbrahamsA@dws.gov.za); [SMohammed@ncpg.gov.za](mailto:SMohammed@ncpg.gov.za); [jvdberg@ncpg.gov.za](mailto:jvdberg@ncpg.gov.za); [wnodoba@ncpg.gov.za](mailto:wnodoba@ncpg.gov.za); [IManyane@ncpg.gov.za](mailto:IManyane@ncpg.gov.za); [MOctober@ncpg.gov.za](mailto:MOctober@ncpg.gov.za); [BFestus@ncpg.gov.za](mailto:BFestus@ncpg.gov.za); [CFarmer@ncpg.gov.za](mailto:CFarmer@ncpg.gov.za); [YMouton@ncpg.gov.za](mailto:YMouton@ncpg.gov.za); [sibusisok@dsd.gov.za](mailto:sibusisok@dsd.gov.za); [JohnT@dsd.gov.za](mailto:JohnT@dsd.gov.za); [ShamaM@dsd.gov.za](mailto:ShamaM@dsd.gov.za); [ncorns@ncpg.gov.za](mailto:ncorns@ncpg.gov.za); [info@dot.gov.za](mailto:info@dot.gov.za); [princess.duma@energy.gov.za](mailto:princess.duma@energy.gov.za); [Nokuthula.Mbeje@energy.gov.za](mailto:Nokuthula.Mbeje@energy.gov.za); [jpetersen@ncpg.gov.za](mailto:jpetersen@ncpg.gov.za); [CollenM@cogta.gov.za](mailto:CollenM@cogta.gov.za); [LegadimaL@cogta.gov.za](mailto:LegadimaL@cogta.gov.za); Ryan Oliver; [mariusn@gcis.gov.za](mailto:mariusn@gcis.gov.za); [chrispin@doc.gov.za](mailto:chrispin@doc.gov.za); [rtimothy@nbkb.org.za](mailto:rtimothy@nbkb.org.za); [atiplady@ska.ac.za](mailto:atiplady@ska.ac.za); [temonama@ska.ac.za](mailto:temonama@ska.ac.za); [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za); [madaboutbats@gmail.com](mailto:madaboutbats@gmail.com); [kate@iws-sa.co.za](mailto:kate@iws-sa.co.za); [energy@birdlife.org.za](mailto:energy@birdlife.org.za); [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za); [Abrahamsn@nra.co.za](mailto:Abrahamsn@nra.co.za); [Dekockr@nra.co.za](mailto:Dekockr@nra.co.za); [Kleinhansm@nra.co.za](mailto:Kleinhansm@nra.co.za); [runkelc@nra.co.za](mailto:runkelc@nra.co.za); [support@sentech.co.za](mailto:support@sentech.co.za); [makayam@atns.co.za](mailto:makayam@atns.co.za); [eddie.seaton@transnet.net](mailto:eddie.seaton@transnet.net); [thandeka.nohoyeka@transnet.net](mailto:thandeka.nohoyeka@transnet.net); [info@wessa.co.za](mailto:info@wessa.co.za); [jnbadm@wessa.co.za](mailto:jnbadm@wessa.co.za); [muna@iafrica.com](mailto:muna@iafrica.com); [ewt@ewt.org.za](mailto:ewt@ewt.org.za); [lourensl@ewt.org.za](mailto:lourensl@ewt.org.za); [sdippenaar@snowisp.com](mailto:sdippenaar@snowisp.com); [RoxanneM@l2b.co.za](mailto:RoxanneM@l2b.co.za); [support@L2B.co.za](mailto:support@L2B.co.za); [info@L2B.co.za](mailto:info@L2B.co.za); [Andile.Gxasheka@nersa.org.za](mailto:Andile.Gxasheka@nersa.org.za); [info@nersa.org.za](mailto:info@nersa.org.za); [williams@saa.ac.za](mailto:williams@saa.ac.za); [strohl@caa.co.za](mailto:strohl@caa.co.za); [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za); [johan@sawea.org.za](mailto:johan@sawea.org.za); [alwyn@saaea.org](mailto:alwyn@saaea.org); [salt@salt.ac.za](mailto:salt@salt.ac.za); [office@sessa.org.za](mailto:office@sessa.org.za); [ShawLS@telkom.co.za](mailto:ShawLS@telkom.co.za); [thea@agrisa.co.za](mailto:thea@agrisa.co.za); [henning@agrink.co.za](mailto:henning@agrink.co.za); [ontvangs@agrink.co.za](mailto:ontvangs@agrink.co.za); [enquiry@arc.agric.za](mailto:enquiry@arc.agric.za); [makayam@atns.co.za](mailto:makayam@atns.co.za); [ithatelo@salga.org.za](mailto:ithatelo@salga.org.za); [fortunec@ncpg.gov.za](mailto:fortunec@ncpg.gov.za); [gmothibi@ncpg.gov.za](mailto:gmothibi@ncpg.gov.za); [vmothibi@ncpg.gov.za](mailto:vmothibi@ncpg.gov.za); [leon.october2@gmail.com](mailto:leon.october2@gmail.com); [adaniels@ncpg.gov.za](mailto:adaniels@ncpg.gov.za); [atawana@ncpg.gov.za](mailto:atawana@ncpg.gov.za); [loctober@ncpg.gov.za](mailto:loctober@ncpg.gov.za); [lfarmer@ncpg.gov.za](mailto:lfarmer@ncpg.gov.za); [seppie.esterhuysen@gmail.com](mailto:seppie.esterhuysen@gmail.com); [piraks2002@yahoo.com](mailto:piraks2002@yahoo.com); [ferdivn@gmail.com](mailto:ferdivn@gmail.com); [abra@roggeveld.co.za](mailto:abra@roggeveld.co.za); [bestuurder@orlu.org.za](mailto:bestuurder@orlu.org.za); [MasondMM@eskom.co.za](mailto:MasondMM@eskom.co.za); [JizanaP@eskom.co.za](mailto:JizanaP@eskom.co.za); [PhiriM@eskom.co.za](mailto:PhiriM@eskom.co.za); [Danie.Kotzee@transnet.net](mailto:Danie.Kotzee@transnet.net); [KarenC@l2b.co.za](mailto:KarenC@l2b.co.za); Ntanganedzeni Ramasunzi; Itumeleng Mashune; [Pheladi.Masipa@energy.gov.za](mailto:Pheladi.Masipa@energy.gov.za); [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za); [cindy@khaima.gov.za](mailto:cindy@khaima.gov.za); [jkamies@pancmail.ncape.gov.za](mailto:jkamies@pancmail.ncape.gov.za); [zannacoetzee@gmail.com](mailto:zannacoetzee@gmail.com)  
**Subject:** Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Interested and Affected Party

The Draft Scoping Report for the Proposed Paulputs Wind Energy Facility (WEF) and Grid Connection is available for you to view.

Please find attached a letter with further information regarding the availability of the Paulputs WEF and Grid Connection Draft Scoping Report.

Thank you

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



**From:** PaulPuts  
**To:** ["Hlengani Alexia \(UPN\)"](#)  
**Subject:** RE: Availability of the Draft Scoping Report  
**Date:** Friday, February 22, 2019 11:13:00 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day Hlengani

Thank you for your response, it is noted.

Thank You  
Aneesah Alwie

---

**From:** Hlengani Alexia (UPN) [mailto:[HlenganiA@dws.gov.za](mailto:HlenganiA@dws.gov.za)]  
**Sent:** Friday, February 22, 2019 7:47  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Availability of the Draft Scoping Report

Good morning

You can send it every time for public review.

Thank you  
Alexia

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 21 February 2019 04:09 PM  
**To:** Hlengani Alexia (UPN)  
**Subject:** RE: Availability of the Draft Scoping Report

Good Day Hlengani

Thank you for the information received. The hard copy, along with an electronic copy will be delivered by tomorrow via a courier company.

Please confirm if you would like a hard copy each time there is a public review period for this Proposed Development.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)



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Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Hlengani Alexia (UPN) [<mailto:HlenganiA@dws.gov.za>]  
**Sent:** Thursday, February 21, 2019 12:34  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Availability of the Draft Scoping Report

082 819 4687

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 21 February 2019 10:02 AM  
**To:** Hlengani Alexia (UPN)  
**Subject:** RE: Availability of the Draft Scoping Report

Good Day

Thank you for the received, please can you provide a contact number as well. This is required for the courier company.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Hlengani Alexia (UPN) [<mailto:HlenganiA@dws.gov.za>]  
**Sent:** Thursday, February 21, 2019 9:59  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Availability of the Draft Scoping Report

Good day

Department of Water and Sanitation  
Louisvale Road  
Upington  
8800  
Attention to Hlengani Alexia

Regards  
Hlengani Alexia

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 21 February 2019 09:55 AM  
**To:** Hlengani Alexia (UPN)  
**Subject:** RE: Availability of the Draft Scoping Report

Good Morning

Please note that our office would like to deliver the hard copy of the Paulputs Draft Scoping Report. Please can you confirm the details below of yourself so that we can deliver the report.

Name and Surname:

Contact Number:

Street Address:

City:

Postal Code:

As soon as the above details is received we can process delivery of the DSR.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Hlengani Alexia (UPN) [<mailto:HlenganiA@dws.gov.za>]  
**Sent:** Wednesday, February 20, 2019 14:17  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Availability of the Draft Scoping Report

Good day

A hard copy can do please.

Regards  
Alexia

---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]  
**Sent:** 20 February 2019 01:12 PM  
**To:** Hlengani Alexia (UPN)  
**Subject:** RE: Availability of the Draft Scoping Report

Good Day

Thank you for your email.

Please advise if an electronic copy (CD) be sufficient to deliver to the address as received?

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Hlengani Alexia (UPN) [<mailto:HlenganiA@dws.gov.za>]  
**Sent:** Wednesday, February 20, 2019 8:55  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** Availability of the Draft Scoping Report

Good day

Kindly note that I am failing to download the draft due to internet problem, so kindly send hardcopy on the following address;:

Department of Water and Sanitation  
Louisvale Road  
Uppington  
8800

Your response will be highly appreciated.

Regards  
Alexia

**DISCLAIMER:** This message and any attachments are confidential and intended solely for the addressee. If you have received this message in error, please notify the system manager/sender. Any unauthorized use, alteration or dissemination is prohibited. The Department of Water and Sanitation further accepts no liability whatsoever for any loss, whether it be direct, indirect or consequential, arising from this e-mail, nor for any consequence of its use or storage.

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DISCLAIMER: This message and any attachments are confidential and intended solely for the addressee. If you have received this message in error, please notify the system manager/sender. Any unauthorized use, alteration or dissemination is prohibited. The Department of Water and Sanitation further accepts no liability whatsoever for any loss, whether it be direct, indirect or consequential, arising from this e-mail, nor for any consequence of its use or storage.

**From:** PaulPuts  
**To:** ["Lydia Cape"](#)  
**Cc:** [Towfie, Nazley](#)  
**Subject:** RE: Request to be registered as an I&AP  
**Date:** Friday, February 22, 2019 11:42:00 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[3073\\_I&AP\\_DSR\\_Notification\\_v1-1\\_RDA\\_20190218.pdf](#)

---

Good Day Lydia

The EIA application has been submitted to the department and we are currently in the 30 day public review period. Please find attached notification letter.

Thank You  
Aneesah Alwie

---

**From:** Lydia Cape [mailto:[lydia@gaeaenviro.co.za](mailto:lydia@gaeaenviro.co.za)]  
**Sent:** Friday, February 22, 2019 8:34  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Hi Aneesah

Please can you indicate if the EIA application for the project has been lodged at DEA or not yet.

Contact details:

Lydia Cape  
Gaea Enviro  
PO BOX 17, Clanwilliam 8135  
021 470 0111

Nazley Towfie  
juwi Renewable Energies (Pty) Ltd  
24th Floor · Metropolitan Centre · 7 Walter Sisulu Avenue · Foreshore · Cape Town · 8001  
021 831 6131

Thanks and kind regards  
Lydia

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Thursday, 21 February 2019 16:19  
**To:** Lydia Cape <[lydia@gaeaenviro.co.za](mailto:lydia@gaeaenviro.co.za)>  
**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Dear Lydia

Thank you for your email. Can you please provide details on the below, of both I&APs to include on the database:

Postal Address:

Telephone No:

The Proposed development is at the Draft Scoping Phase. To date there is no DEA Ref. No.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Lydia Cape [<mailto:lydia@gaeaenviro.co.za>]

**Sent:** Wednesday, February 20, 2019 15:22

**To:** Aneesah Alwie <[AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)>; PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>

**Subject:** Re: Request to be registered as an I&AP

Dear Arcus team

Please register the following I&APs on your project database for the Paulputs Wind Energy Project:

Lydia Cape, Gaea Enviro  
Nazley Towfie, juwi RE

Please provide details on the status of the project and how far it is in the EIA process now. Please share DEA Ref No if available.

Kind regards  
Lydia

From: Info@GaeaEnviro

Sent: Saturday, 02 February, 14:57  
Subject: RE: Request to be registered as an I&AP  
To: Aneesah Alwie

Dear Aneesah Alwie

Can you please provide details on:  
Organisation Position within organisation Postal Address Telephone No Interest in the project

Thanks and kind regards  
Lydia

**From:** Aneesah Alwie <[AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)>  
**Sent:** Friday, 01 February 2019 15:59  
**To:** Info@GaeaEnviro <[info@gaeaenviro.co.za](mailto:info@gaeaenviro.co.za)>  
**Subject:** Request to be registered as an I&AP

Good Day

Please can you include me as an I&AP for the Paulputs PV1 – PV3 Project to  
[aneesaha@arcusconsulting.co.za](mailto:aneesaha@arcusconsulting.co.za)

Thank You.

Kind Regards

**Aneesah Alwie**





**DEA Ref. No.: To be confirmed**

19 February 2019

Dear Interested & Affected Party,

**AVAILABILITY OF THE DRAFT SCOPING REPORT**

**Notification of Availability of the Draft Scoping Report for the Proposed Paulputs Wind Energy Facility and Associated Infrastructure including Grid Connection Infrastructure, Northern Cape Province**

Paulputs Wind Energy Facility (RF) (Pty) Ltd is proposing the up to 300 MW Paulputs Wind Energy Facilities (WEF), and associated infrastructure including grid connection infrastructure (the Proposed Development), located approximately 50 km from Pofadder in the Northern Cape Province. Arcus Consultancy Services South Africa (Pty) Ltd ('Arcus') has been appointed to act as the independent environmental impact assessment practitioner (EAP) to undertake the environmental impact assessment (EIA) process for Environmental Authorisation under Chapter 5 of the National Environmental Management Act, 1998 (Act 107 of 1998 – NEMA) as amended, for the Proposed Development.

The Environmental Impact Assessment (EIA) process that is being followed is currently in the Scoping Phase. You are receiving this notification regarding the availability of the Draft Scoping Report as you are registered as an Interested and Affected party (I&AP). We invite you to review and comment on this report.

**The following is available for public review:**

- Volume 1 – Draft Scoping Report for the Proposed Paulputs WEF and Associated Infrastructure including Grid Connection, Northern Cape Province
- Volume 2 – Public Participation Report
- Volume 3 – Specialist Scoping Reports

The **Draft Scoping Report** is available for public review and comment from the **19 February 2019 to the 20 March 2019 (both days inclusive)** at the following locations:

- Khai-Ma Local Municipality, New Street, Pofadder, 8890
- Kakamas Library, Voortrekkerstreet 28, Kakamas, 8870
- Website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

With reference to the proposed development, please send your comments on the Draft Scoping Report in writing **before the 20 March 2019** to the below address:

**Arcus Consultancy Services South Africa (Pty) Ltd**

**Reference** : 3073 Paulputs WEF  
**Email** : [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)  
**Post** : Office 220 Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Road, Cape Town, 8001  
**Telephone** : +27 21 412 1529  
**Fax** : +27 86 762 2885

**Arcus Consultancy Services South Africa (Pty) Limited**

Office 220 Cube Workspace, Cnr Long Street and Hans Strijdom Road, Cape Town, 8001  
**T:** +27 21 412 1529 ; **W:** [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)  
Registered in South Africa No. 2015/416206/07

Kind Regards,

A handwritten signature in black ink, appearing to read 'Ashlin Bodasing', written in a cursive style.

Ashlin Bodasing

**Arcus Consultancy Services South Africa (Pty) Limited**

Office 220 Cube Workspace, Cnr Long Street and Hans Strijdom Road, Cape Town, 8001

**T:** +27 21 412 1529 **E:** [office@arcusconsulting.co.za](mailto:office@arcusconsulting.co.za) **W:** [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Registered in South Africa No. 2015/416206/07

**From:** [EIAAdmin](#)  
**To:** [Ashlin Bodasing](#); [PaulPuts](#)  
**Cc:** [MrWolf@wkn-windcurrent.com](#); [Bfisher@ncpg.gov.za](#); [vries@khaima.gov.za](#); [Herman Alberts](#)  
**Subject:** RE: 14/12/16/3/3/2/1120  
**Date:** Monday, February 25, 2019 11:18:21 AM  
**Attachments:** [1120v.pdf](#)

---

Dear Sir/Madam

Please find attached and kindly disregard the previous acknowledgement letter.  
Kind Regards

EIA Admin  
Integrated Environmental Authorisations:  
Coordination, Strategic Planning and Support  
Tel: [\(012\) 399 8630](#) / [\(012\) 399 8529](#)  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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**From:** EIAAdmin  
**Sent:** 22 February 2019 10:00 AM  
**To:** [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za); [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)  
**Cc:** [MrWolf@wkn-windcurrent.com](#); [Bfisher@ncpg.gov.za](#); [vries@khaima.gov.za](#); EIAAdmin; Herman Alberts  
**Subject:** 14/12/16/3/3/2/1120

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

EIA Admin  
Integrated Environmental Authorisations:  
Coordination, Strategic Planning and Support  
Tel: [\(012\) 399 8630](#) / [\(012\) 399 8529](#)  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the

Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).



'Please consider the environment before you print this email'

'Please consider the environment before you print this email'

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## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/16/3/3/2/1120  
Enquiries: Azrah Essop  
Tel: 012 399 8529 E-mail: [AEssop@environment.gov.za](mailto:AEssop@environment.gov.za)

Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace  
Icon Building Cnr Long Street and Hans Strijdom Avenue  
CAPE TOWN  
8001

Tel: 021 412 1529

Email: [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za)/ [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

PER EMAIL / MAIL

Dear Sir/Madam

### **ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (ENVIRONMENTAL IMPACT ASSESSMENT PROCESS) AND SCOPING REPORT FOR THE PROPOSED 300 MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ASSOCIATED 132 KV GRID CONNECTION WITHIN THE NORTHERN CAPE PROVINCE**

The Department confirms having received the Application and draft Scoping Report for Environmental Authorisation for the abovementioned project on 19 February 2019. We further confirm that you have submitted these documents to comply with the National Environmental Management Act, 1998 (Act No. 107 of 1998) Environmental Impact Assessment Regulations, 2014 published under Government Notice R982 in Government Gazette No. 38282 dated 04 December 2014, as amended ('the EIA Regulations, 2014').

Please take note of Regulation 40(3) of the EIA Regulations, 2014 which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, prior to the submission of an application but must be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.


**Note that in terms of Regulation 45 of the EIA Regulations, 2014 this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014.**

All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.

You are hereby reminded of Section 24F of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Letter signed by: Ms Azrah Essop**

**Designation: Environmental Officer: EIA Coordination, Strategic Planning and Support**

**Date:** 22/2/2019

CC:	Alan Wolfromm	Paulputs Wind Energy Facility (RF) (PTY) Ltd	Email: <a href="mailto:MrWolf@wkn-windcurrent.com">MrWolf@wkn-windcurrent.com</a>
	Brian Fisher	Northern Cape Department of Environmental and Nature Conservation	Email: <a href="mailto:bfisher@ncog.gov.za">bfisher@ncog.gov.za</a>
	Edward Vries	Khai-Ma Local Municipality	Email: <a href="mailto:vries@khaima.gov.za">vries@khaima.gov.za</a>



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

**From:** PaulPuts  
**To:** ["Towfie, Nazley"; Lydia Cape](#)  
**Subject:** RE: Request to be registered as an I&AP  
**Date:** Tuesday, March 5, 2019 4:45:00 PM  
**Attachments:** [3073 Paulputs Preliminary Layout for Scoping\\_ 85 x 160m RD + Grid Connect....kmz](#)  
[image001.png](#)  
[image002.png](#)

---

Dear Nazley

Please find attached google earth file of the proposed layout at Scoping Phase.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

---

**From:** Towfie, Nazley [mailto:[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)]  
**Sent:** Tuesday, March 5, 2019 13:28  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>; Lydia Cape <[lydia@gaeaenviro.co.za](mailto:lydia@gaeaenviro.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Good Afternoon Aneesah,

Thank you for the information, much appreciated.

Could you please share with me a google earth file of the proposed layout depicted in the scoping study?

Kind Regards

**Ms Nazley Towfie** M.Sc.(Phys)  
Project Development Manager · Wind & Solar  
Tel. +27. (0)21. 831 6131 · Cel. +27. (0)78. 019 9357 · Fax. +27. (0)21. 831 6199 ·  
[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)

**Juwi Renewable Energies (Pty) Ltd** · 24<sup>th</sup> Floor · Metropolitan Centre · 7 Walter Sisulu Avenue ·  
Foreshore · Cape Town · 8001 · South Africa · [www.juwi.co.za](http://www.juwi.co.za)

Managing Director: Greg Austin · Registration number: 2010/017943/07

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Friday, February 22, 2019 11:42 AM  
**To:** Lydia Cape <[lydia@gaeaenviro.co.za](mailto:lydia@gaeaenviro.co.za)>  
**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Good Day Lydia

The EIA application has been submitted to the department and we are currently in the 30 day public review period. Please find attached notification letter.

Thank You  
Aneesah Alwie

---

**From:** Lydia Cape [<mailto:lydia@gaeaenviro.co.za>]  
**Sent:** Friday, February 22, 2019 8:34  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Hi Aneesah

Please can you indicate if the EIA application for the project has been lodged at DEA or not yet.

Contact details:

Lydia Cape  
Gaea Enviro  
PO BOX 17, Clanwilliam 8135  
021 470 0111

Nazley Towfie  
juwi Renewable Energies (Pty) Ltd  
24th Floor · Metropolitan Centre · 7 Walter Sisulu Avenue · Foreshore · Cape Town · 8001  
021 831 6131

Thanks and kind regards  
Lydia

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Thursday, 21 February 2019 16:19  
**To:** Lydia Cape <[lydia@gaeaenviro.co.za](mailto:lydia@gaeaenviro.co.za)>  
**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>  
**Subject:** RE: Request to be registered as an I&AP

Dear Lydia

Thank you for your email. Can you please provide details on the below, of both I&APs to include on the database:

Postal Address:  
Telephone No:



The Proposed development is at the Draft Scoping Phase. To date there is no DEA Ref. No.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Lydia Cape [<mailto:lydia@gaeaenviro.co.za>]

**Sent:** Wednesday, February 20, 2019 15:22

**To:** Aneesah Alwie <[AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)>; PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Towfie, Nazley <[nazley.towfie@juwi.co.za](mailto:nazley.towfie@juwi.co.za)>

**Subject:** Re: Request to be registered as an I&AP

Dear Arcus team

Please register the following I&APs on your project database for the Paulputs Wind Energy Project:

Lydia Cape, Gaea Enviro  
Nazley Towfie, juwi RE

Please provide details on the status of the project and how far it is in the EIA process now.  
Please share DEA Ref No if available.

Kind regards  
Lydia

From: Info@GaeaEnviro

Sent: Saturday, 02 February, 14:57

Subject: RE: Request to be registered as an I&AP

To: Aneesah Alwie

Dear Aneesah Alwie

Can you please provide details on:

Organisation Position within organisation Postal Address Telephone No Interest in the project

Thanks and kind regards

Lydia

**From:** Aneesah Alwie <[AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)>

**Sent:** Friday, 01 February 2019 15:59

**To:** Info@GaeaEnviro <[info@gaeaenviro.co.za](mailto:info@gaeaenviro.co.za)>

**Subject:** Request to be registered as an I&AP

Good Day

Please can you include me as an I&AP for the Paulputs PV1 – PV3 Project to  
[aneesaha@arcusconsulting.co.za](mailto:aneesaha@arcusconsulting.co.za)

Thank You.

Kind Regards

**Aneesah Alwie**

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**From:** PaulPuts  
**To:** ["Magdalena Kataryna Michalowska"](#)  
**Subject:** RE: Registration as an I&AP for Paulputs WEF - 06 March 2019  
**Date:** Wednesday, March 6, 2019 3:58:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day Magdalena

Thank you for your email. I have included you as an I&AP for the Paulputs WEF.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Magdalena Kataryna Michalowska [mailto:m.michalowska@buildingenergy.it]  
**Sent:** Wednesday, March 6, 2019 14:55  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Cc:** Magdalena Kataryna Michalowska <m.michalowska@buildingenergy.it>  
**Subject:** Registration as an I&AP for Paulputs WEF - 06 March 2019

Good day,

Please could you kindly register me as an I&AP for the Paulputs WEF and associated infrastructure Project with Arcus Reference No: 3073 Paulputs WEF EIA.

The reason for my registration is so that I can keep informed about any new potential renewable energy projects.

Thanks,  
Maggie

Regards,

Magdalena Michalowska - **Environmental, Legal Compliance Manager Africa & Middle East**

**Mob:** +27 72 212 1531 / +27 76 254 9224- **Skype:** [m.michalowska@buildingenergy.it](mailto:m.michalowska@buildingenergy.it)

**Office:** +27 21 418 3940

**Fax:** +27 86 297 5902

Building Energy South Africa (PTY) LTD

14<sup>th</sup> Floor, Pier Place

Heerengracht Street

Foreshore, Cape Town

8001

SOUTH AFRICA

[www.buildingenergy.it](http://www.buildingenergy.it)

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**From:** PaulPuts  
**To:** "Ntoi Mosala(UPN)"  
**Subject:** RE: COMMENT: Proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province  
**Date:** Wednesday, March 20, 2019 4:41:00 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

---

Good Day

Confirmation that the comment from DWS has been received and any issues raised will be addressed as part of the EIA process.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Cnr Long Street and Hans Strijdom Ave  
Cape Town  
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**From:** Ntoi Mosala(UPN) [mailto:NtoiM@dws.gov.za]  
**Sent:** Wednesday, March 20, 2019 9:05  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Subject:** COMMENT: Proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province

Good day

Please find attached comment for the Proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province.

Regards

*Mosala Ntoi*  
*Cand. Nat. Sc.*  
*Department of Water & Sanitation*  
*Orange Proto WMA - Upington Office*  
*Tel: 054 338 5836*  
*Fax: 054 334 0205*



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## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Northern Cape Region  
Lower Orange Water Management Area  
Private Bag X5912, Upington, 8800  
Tel: (054) 338-5800, Fax: (054) 334-0205, [www.dwa.gov.za](http://www.dwa.gov.za)

F ☒ 054 334 0205

E ☒ [NtoiM@dws.gov.za](mailto:NtoiM@dws.gov.za)

✉ M. Ntoi

☎ 054 338 5800

✉ **By Registered Mail**

Arcus Consultancy Services SA Pty Ltd  
220 Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Road  
Cape Town  
88001

**Attention: Ashlin Bodasing**

### **NOTICE OF APPLICATION OF THE DRAFT SCOPING REPORT, PUBLIC PARTICIPATION REPORT, AND SPECIALIST SCOPING REPORT FOR THE PROPOSED PAULPUTS WIND ENERGY FACILITY AND ASSOCIATED GRID CONNECTION ACCROSS VARIOUS PROPERTIES NEAR POFADDER, NORTHERN CAPE**

The Department of Water & Sanitation (DWS) hereby acknowledges receipt of the Draft Scoping Report, Public Participation Report, and Specialist Scoping Report for the proposed Paulputs Wind Energy Facility and associated Grid connection over various properties near Pofadder: Northern Cape.

The Department takes note of the proposed activity and therefore provides the following comments:

- Please note that taking of water from a water resource as listed on page 78 of the Draft Scoping Report for the operation of the project needs to be authorized by this Department
- Installation of conservancy tanks at construction camps and O/M building needs to be authorized by this Department.
- Waste needs to be collected and disposed of at a registered municipal site during and after construction, and written agreement should be provided to this department.
- Development near ephemeral streams needs to be authorized by this Department.
- Please note that a buffer of 45m should be kept at all times along ephemeral streams as stated in the Draft Scoping Report.
- Storm water must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water flow.

Please feel free to contact this Department, should there be any enquiries.

Yours sincerely,

Mr. A.A. Abrahams

**PROVINCIAL HEAD: NORTHERN CAPE OPERATIONS**

DATE: 14/03/19



**NATIONAL DEVELOPMENT PLAN**  
Our Future - make it work

## Ryan David-Andersen

---

**From:** Ryan David-Andersen  
**Sent:** Thursday, March 28, 2019 10:24 AM  
**To:** 'atiplady@ska.ac.za'  
**Subject:** FW: Notification of Paulputs WEF and Grid Connection Draft Scoping Report  
**Attachments:** Paulputs WEF\_DSR.pdf; Paulputs WEF (1).pdf

Dear Adrian

Thanks very much for taking my call earlier.

As discussed please may you clarify SKA / SARA0 requirements for the Paulputs WEF as per the attached letters dated 31 January 2019 and 20 February 2019.

Our proposed approach is to include your comments and responses from the project team including a *'commitment from the developer to ensure that, when measured using SANS211 standard, the radiated emissions does not exceed the SARAS protection levels at the nearest SKA telescope'* in all our EIA reports. We will also include reference to the Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007).

May you please confirm that this will suffice and that no further specialist study is required at EIA phase?

Thank you

**From:** Musa Baloye [<mailto:mbaloye@ska.ac.za>]  
**Sent:** Wednesday, March 20, 2019 14:30  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>; Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>; Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>; Thato Nape <[tnape@ska.ac.za](mailto:tnape@ska.ac.za)>; Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>  
**Subject:** Re: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Ms. Alwie

Please find the attached letter from SARA0.

Thank you.

Regards,

On Tue, Feb 19, 2019 at 9:48 AM PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)> wrote:

Dear Interested and Affected Party

The Draft Scoping Report for the Proposed Paulputs Wind Energy Facility (WEF) and Grid Connection is available for you to view.

Please find attached a letter with further information regarding the availability of the Paulputs WEF and Grid Connection Draft Scoping Report.

Thank you

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

---

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Cape Town

8001

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--

**Musa Baloye**

**Project Coordinator**

South African Radio Astronomy Observatory (SARAO)

17 Baker Street, Rosebank, Johannesburg, 2196

Email: [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)

Website: [www.ska.ac.za](http://www.ska.ac.za)

**From:** PaulPuts  
**To:** "[Musa Baloye](#)"; [PaulPuts](#)  
**Cc:** [Busang Sethole](#); [Adrian Tiplady](#); [Selaelo Matlhane](#); [Thato Nape](#); [Tshegofatso Monama](#)  
**Subject:** RE: Notification of Paulputs WEF and Grid Connection Draft Scoping Report  
**Date:** Wednesday, March 20, 2019 4:44:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day All

Thank you for your email.

Confirmation of receipt of comment from SARAO. Any issues raised will be responded to in the Draft EIA.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**From:** Musa Baloye [mailto:[mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)]

**Sent:** Wednesday, March 20, 2019 14:30

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>; Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>; Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>; Thato Nape <[tnape@ska.ac.za](mailto:tnape@ska.ac.za)>; Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>

**Subject:** Re: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Ms. Alwie

Please find the attached letter from SARAO.

Thank you.

Regards,

On Tue, Feb 19, 2019 at 9:48 AM PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)> wrote:

Dear Interested and Affected Party

The Draft Scoping Report for the Proposed Paulputs Wind Energy Facility (WEF) and Grid Connection is available for you to view.

Please find attached a letter with further information regarding the availability of the Paulputs WEF and Grid Connection Draft Scoping Report.

Thank you

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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--

**Musa Baloye**

**Project Coordinator**

South African Radio Astronomy Observatory (SARAO)

17 Baker Street, Rosebank, Johannesburg, 2196

Email: [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)

Website: [www.ska.ac.za](http://www.ska.ac.za)

Ms. Aneesah Alwie  
Arcus Consultancy Services Ltd  
Office 220 Cube Workspace, Icon Building  
Cnr long Street and Hans Stridjom road,  
Cape Town, 8001

Email: paulputs@arcusconsulting.co.za

Date: 20 February 2019

Dear Ms. Alwie

**Re: Draft Scoping Report for the Proposed Paulputs Wind Energy Facility and Associated Infrastructure in the Northern Cape Province.**

This letter is in response to the draft scoping report for the above wind energy facility and the potential impact it has on the SKA project. We have considered the draft scoping report and although this development to poses a low risk to the SKA project, we are concerned that no reference has been made to the SKA radio telescope and the mitigation measures that should be in place to ensure that the telescope is protected from electromagnetic interference that radiated from the facility.

The location of Paulputs WEF is far enough (about 184 km) to have significant radiated emissions impact on the SKA, however, the developers still has to ensure that these emissions are kept within the acceptable limits. The criteria used to calculate the emission limits is based on the South African Radio Astronomy Protection Levels, 2012 (SARAS) as published on the Government Gazette No. 35007. ow enough to impact the telescope.

We, there, request that the draft scoping report identifies the SKA as a potentially impacted entity in the scoping assessment and that there is commitment from the developer to ensure that, when measured using SANS211 standard, the radiated emissions does not exceed the SARAS protection levels at the nearest SKA telescope.

In addition, reference made to the to the Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007) should be extended to include the following proposed text.

“The Act provides for the preservation and protection of areas within the Republic that are uniquely suited for optical and radio astronomy. The Square Kilometre Array radio telescope is located in the declared Karoo Central Advantage Array and as such it is protected against harmful interference from wireless communication and electromagnetic emissions from electrical equipment.”

[www.ska.ac.za](http://www.ska.ac.za)

The South African Radio Astronomy Observatory (SARAO) is a National Facility managed by the National Research Foundation and incorporates all national radio astronomy telescopes and programmes. SARAO is responsible for implementing the Square Kilometre Array (SKA) in South Africa.

We appreciate the notification of the availability of the draft scoping report and we are open to discuss any matters that may arise with regard to this submission.

Regards,



Mr Selaelo Matlhane  
Spectrum & Telecommunication Manager  
South African Radio Astronomy Observatory (SARAO)  
Tel: 011 442 2434  
Email: smatlhane@ska.ac.za

## Aneesah Alwie

---

**Subject:** 14/12/16/3/3/2/1120  
**Attachments:** 14-12-16-3-3-2-1120.pdf

**From:** EIAAdmin [<mailto:EIAAdmin@environment.gov.za>]  
**Sent:** Tuesday, 26 March 2019 10:30  
**To:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>; [MrWolf@wkn-windcurrent.com](mailto:MrWolf@wkn-windcurrent.com); [Bfisher@ncpg.gov.za](mailto:Bfisher@ncpg.gov.za); [vries@khaima.gov.za](mailto:vries@khaima.gov.za); [BFischer@ncpg.gov.za](mailto:BFischer@ncpg.gov.za)  
**Cc:** Herman Alberts <[HALberts@environment.gov.za](mailto:HALberts@environment.gov.za)>; EIAAdmin <[EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)>  
**Subject:** 14/12/16/3/3/2/1120

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

Kind Regards,  
EIA Admin  
Integrated Environmental Authorisations:  
Coordination, Strategic Planning and Support  
Tel: [\(012\) 399 8630](tel:(012)3998630) / [\(012\) 399 8529](tel:(012)3998529)  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

**Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).**

'Please consider the environment before you print this email'

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## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia,· PRETORIA  
Tel (+ 27 12) 399 9372

**DEA Reference:** 14/12/16/3/3/2/1120

**Enquiries:** Mr Herman Alberts

**Telephone:** (012) 399 9371 **E-mail:** HAlberts@henvironment.gov.za

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
**CAPE TOWN**  
8001

Telephone Number: (021) 412 1529  
Email Address: ashlinb@arcusconsulting.co.za

### **PER E-MAIL / MAIL**

Dear Ms Bodasing

### **COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED DEVELOPMENT OF THE 300MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ITS ASSOCIATED 132KV GRID CONNECTION, NORTHERN CAPE PROVINCE**

The draft Scoping Report (SR) dated February 2019 and received by this Department on 20 February 2019, and the acknowledgement letter of the SR issued by this Department on 22 February 2019, refer.

This Department has the following comments on the abovementioned application and report:

- i. Please ensure that all relevant listed activities applied for, are specific and can be linked to the development activity or infrastructure as described in the project description.
- ii. If the activities applied for in the application form differ from those mentioned in the draft SR, an amended application form must be submitted with the final SR. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- iii. The final SR must provide evidence that all identified and relevant competent authorities have been given an opportunity to comment on the proposed development; particularly the Square Kilometre Array South Africa, the South African Astronomical Observatory, the Northern Cape Department of Environment and Nature Conservation (DENC), and the District and Local Municipalities.
- iv. Please ensure that all issues raised and comments received during the circulation of the draft SR, from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the final SR. Proof of correspondence with the various stakeholders must be included in the final SR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.
- v. The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.
- vi. A comments and response trail report (C&R) must be submitted with the final SR. The C&R report must incorporate all comments for this development. The C&R report must be a separate document from the



main report and the format must be in the table format as indicated in Annexure 1 of this comments letter. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as "Noted" is not regarded as an adequate response to I&AP's comments.

- vii. Please provide a description of any identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity as per Appendix 2 of GN R.982 of 2014 (as amended). Alternatively, you should submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist in terms of Appendix 2.
- viii. Specialist studies to be conducted must provide a detailed description of their methodology, as well as indicate the locations and descriptions of turbine positions, and all other associated infrastructures that they have assessed and are recommending for authorisations.
- ix. The specialist studies must also provide a detailed description of all limitations to their studies. All specialist studies must be conducted in the right season and providing that as a limitation, will not be accepted.
- x. Should the appointed specialists specify contradicting recommendations, the EAP must clearly indicate the most reasonable recommendation and substantiate this with defensible reasons; and where necessary, include further expertise advice.
- xi. Please note that the Department considers a 'no-go' area, as an area where no development of any infrastructure is allowed; therefore, no development of associated infrastructure including access roads and internal cables is allowed in the 'no-go' areas.
- xii. Should the specialist definition of 'no-go' area differ from the Department's definition; this must be clearly indicated. The specialist must also indicate the 'no-go' area's buffer.
- xiii. Where specialist studies are conducted in-house or by a specialist other than a suitably qualified specialist in the relevant field, such specialist reports must be peer reviewed by a suitably qualified external specialist in the relevant field. The terms of reference for the peer review must include:
  - A CV clearly showing expertise of the peer reviewer;
  - Acceptability of the terms of reference;
  - Is the methodology clearly explained and acceptable;
  - Evaluate the validity of the findings (review data evidence);
  - Discuss the suitability of the mitigation measures and recommendations;
  - Identify any shortcomings and mitigation measures to address the shortcomings;
  - Evaluate the appropriateness of the reference literature;
  - Indicate whether a site-inspection was carried out as part of the peer review; and
  - Indicate whether the article is well-written and easy to understand.
- xiv. The bat and avifaunal specialist assessments must assess and make recommendations for definite measurements for the preferred hub heights and rotor diameter.
- xv. Should there be any other similar projects within a 30km radius of the proposed development site, a cumulative impact assessment for all identified and assessed impacts must be undertaken and indicate the following:
  - Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land.
  - Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various similar developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.
  - The cumulative impacts significance rating must also inform the need and desirability of the proposed development.
  - A cumulative impact environmental statement on whether the proposed development must proceed.



- xvi. The final SR must indicate and describe the competing land uses in the area. This must further motivate the desirability of locating the wind energy facility at the preferred location.
- xvii. The EAP must ensure that all appointed specialists sign the "specialist declaration of interest" form.
- xviii. In accordance with Appendix 2 of the EIA Regulations 2014, as amended, the details of:
  - (i) the EAP who prepared the report; and
  - (ii) the expertise of the EAP to carry out the Scoping and Environmental Impact assessment procedures;
 must be submitted.
- xix. You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations 2014, as amended.
- xx. Further note that in terms of Regulation 45 of the EIA Regulations 2014, as amended, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours faithfully



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**  
**Signed by: Mr Coenrad Agenbach**  
**Designation: Deputy Director: Strategic Infrastructure Developments**  
**Date: 25/03/2019**

cc:	Alan Wolfromm	Paulputs Wind Energy Facility (RF) (Pty) Ltd	Email: MrWolf@wkn-windcurrent.com
	Brian Fisher	NC DENC	Email: bfisher@ncpg.gov.za
	Edward Vries	Khai-Ma Local Municipality	Email: vries@khaima.gov.za

## Annexure 1

Format for Comments and Response Trail Report:

<b>Date of comment, format of comment name of organisation/I&amp;AP</b>	<b>Comment</b>	<b>Response from EAP/Applicant/Specialist</b>
27/01/2016 Email Department of Environmental Affairs: Strategic Infrastructure Development (John Soap)	Please record C&R trail report in this format  Please update the contact details of the provincial environmental authority	EAP: (Noted) The C&R trail report has been updated into the desired format, see Appendix K  EAP: Details of provincial authority have been updated, see page 16 of the Application form



## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/16/3/3/2/1120  
Enquiries: Azrah Essop  
Tel: 012 399 8529 E-mail: [AEssop@environment.gov.za](mailto:AEssop@environment.gov.za)

Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace  
Icon Building Cnr Long Street and Hans Strijdom Avenue  
CAPE TOWN  
8001

Tel: 021 412 1529

Email: [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za)/ [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

PER EMAIL / MAIL

Dear Sir/Madam

### **ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (ENVIRONMENTAL IMPACT ASSESSMENT PROCESS) AND SCOPING REPORT FOR THE PROPOSED 300 MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ASSOCIATED 132 KV GRID CONNECTION WITHIN THE NORTHERN CAPE PROVINCE**

The Department confirms having received the Application and draft Scoping Report for Environmental Authorisation for the abovementioned project on 19 February 2019. We further confirm that you have submitted these documents to comply with the National Environmental Management Act, 1998 (Act No. 107 of 1998) Environmental Impact Assessment Regulations, 2014 published under Government Notice R982 in Government Gazette No. 38282 dated 04 December 2014, as amended ('the EIA Regulations, 2014').

Please take note of Regulation 40(3) of the EIA Regulations, 2014 which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, prior to the submission of an application but must be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.


**Note that in terms of Regulation 45 of the EIA Regulations, 2014 this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014.**

All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.

You are hereby reminded of Section 24F of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Letter signed by: Ms Azrah Essop**

**Designation: Environmental Officer: EIA Coordination, Strategic Planning and Support**

**Date:** 22/2/2019

CC:	Alan Wolfromm	Paulputs Wind Energy Facility (RF) (PTY) Ltd	Email: <a href="mailto:MrWolf@wkn-windcurrent.com">MrWolf@wkn-windcurrent.com</a>
	Brian Fisher	Northern Cape Department of Environmental and Nature Conservation	Email: <a href="mailto:bfisher@ncog.gov.za">bfisher@ncog.gov.za</a>
	Edward Vries	Khai-Ma Local Municipality	Email: <a href="mailto:vries@khaima.gov.za">vries@khaima.gov.za</a>



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

**From:** PaulPuts  
**To:** "[Sonet Du Plooy](#)"  
**Subject:** RE: Paulputs Wind Energy Facility  
**Date:** Wednesday, March 27, 2019 12:17:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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Dear Sonet

Thank you for your email. The EIA process being followed is currently in the Scoping Phase. The Draft Scoping Report was made available for public review and comment from the 19 February 2019 to the 20 March 2019 (both days inclusive). You are welcome to visit our website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za) to review the Draft Scoping Report.

You have been added as an I&AP and will receive all communication going forth.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Sonet Du Plooy [mailto:SonetD@l2b.co.za]  
**Sent:** Wednesday, March 27, 2019 9:42  
**To:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Subject:** Paulputs Wind Energy Facility

Dear Aneesha,

Your company is currently conducting a Basic Impact Assessment for the establishment of a proposed Development of 85 wind turbines to be known as Paulputs Wind Energy Facility. Please could you forward me the BID for this application and register me as a Interested & Affected party?

Thanking you in anticipation of a favourable response.

--

Kind Regards

Sonet Du Plooy  
Daily Tenders Department

Leads 2 Business ([www.L2B.co.za](http://www.L2B.co.za))  
Tel: 0860 836337  
0860 TENDER  
Fax: 033 3435882

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Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
www.sahra.org.za

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: nhiggitt@sahra.org.za  
CaseID: 13356

Date: Wednesday March 20, 2019  
Page No: 1

## Interim Comment

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

Attention: Mr Alan Wolfrohm  
WKN Windcurrent SA (Pty) Ltd

### The Proposed Paulputs Wind Energy Facility and associated electrical grid connection Northern Cape Province

Arcus Consultancy Services South Africa (Pty) Ltd has been appointed by Paulputs Wind Energy Facility (WEF) (RF) Pty Ltd to undertake an Environmental Authorisation (EA) Application for the proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province.

A draft Scoping Report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include a 30MW WEF consisting of 85 wind turbines with grid infrastructure alternative routes between 16.1 km and 17.3 km long with approximately 24.4 km of associated service roads to the existing Paulputs substation and three site options for the on-site substation. Associated activities and infrastructure include a laydown area, operation and maintenance buildings, approximately 50 km of internal access roads.

ASHA Consulting (Pty) Ltd and Natura Viva cc were appointed to provide the heritage specialist component as part of the EA in terms of section 24(4)b(iii) of the NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

*Orton, J. 2019. Heritage Impact Assessment: Proposed Paulputs Wind Energy Facility and Associated Grid Connection near Pofadder, Kenhardt Magisterial District, Northern Cape*

It is noted that a desktop Palaeontological Impact Assessment (PIA) will be included in the EIA report.

Surface scatters of Stone Age artefacts including pottery and ostrich eggshell fragments were noted around some of the dolerite hills and pans, small stone-walled structures, quarried quartz outcrops, bedrock outcrops with natural water reservoirs and grinding patches were noted within the development application area. Some identified Stone Age lithics include the distal section of a bifacial point and a large quartzite adze.

Three farm complexes occur within the development application but will not be impacted by the propose

Our Ref:



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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](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 13356

Date: Wednesday March 20, 2019  
Page No: 2

development footprint. The cultural landscape is mostly a natural landscape with minimal human intervention or cultural significance. The N14 freeway bisects the proposed development, and while not a designated tourism route, it is used by tourist travelling to Springbok during the flower season and to Augrabies National Park. The proposed development would be visible to passing road users, whereas existing electrical infrastructure is located some distance from the N14 and are not as visible.

Recommendations provided in the report include the following:

- The final authorised layout for the WEF, all internal roads and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The final authorised layout for the power line, substation and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The distance between the turbines and the N14 should be maximised;
- If any archaeological material or human burials are uncovered during the course of development, then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

### Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit awaits the outstanding PIA report before further comments are issued. The draft EIA and appendices must be submitted at the beginning of the Public Review period in order for an informed comment to be issued.

SAHRA would like to note at this time that to remain consistent throughout the Northern Cape, a minimum of 3 km buffer is required between any turbine placement and a National Road. The EAP must consider this during the EIA phase of the EA application process. See SAHRIS Case ID 473 official comments for more information (<https://sahris.sahra.org.za/cases/roggeveld-wind-farm>). The EAP may motivate for a reduction in this buffer as shown SAHRIS Case ID 8383 (<https://sahris.sahra.org.za/cases/gunstfontein-wef>).

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

Yours faithfully



Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 13356

Date: Wednesday March 20, 2019  
Page No: 3

---

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/519935>  
(DEA, Ref: )

**From:** PaulPuts  
**To:** ["Natasha Higgitt"](#)  
**Subject:** RE: Notification of Submission of Final Scoping Report for the Proposed Paulputs WEF Northern Cape  
**Date:** Thursday, April 4, 2019 2:33:00 PM  
**Attachments:** [image002.png](#)  
[image004.png](#)

---

Good Day Natasha

The relevant documents has been uploaded to SAHRIS and status changed to 'submitted'.

Case ID Number: 13556.

Thank You.

Kind Regards

**Aneesah Alwie**  
Office Administrator, South Africa

Tel: +27 (0) 21 412 1529  
Email: [AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Natasha Higgitt [mailto:[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)]  
**Sent:** Wednesday, April 3, 2019 9:27  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Notification of Submission of Final Scoping Report for the Proposed Paulputs WEF Northern Cape

Good morning,

Thank you for the notification. Please upload the document to the relevant SAHRIS Case application and change the status of the case to SUBMITTED. Please inform me when this is completed and reference the SAHRIS Case ID number.

Kind regards,

---

**From:** PaulPuts <paulputs@arcusconsulting.co.za>

**Sent:** Wednesday, April 03, 2019 9:08 AM

**Subject:** Notification of Submission of Final Scoping Report for the Proposed Paulputs WEF Northern Cape

Dear Interested and Affected Parties

The Final Scoping Report (FSR) for the proposed Paulputs Wind Energy Facility (WEF) and Associated Infrastructure including Grid Connection has been submitted to the Department of Environmental Affairs (DEA) and is available for you to view.

The Paulputs WEF FSR may be viewed at the following locations:

- Khai-Ma Local Municipality, New Street, Pofadder, 8890
- Kakamas Library, Voortrekkerstreet 28, Kakamas, 8870
- Website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Please find attached a letter with further information on the FSR's availability.

Thank you

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

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Cnr Long Street and Hans Strijdom Ave  
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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



**Natasha Higgitt**

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency

- *A nation united through heritage* -

T: +27 21 462 4502/ 8660| C:+27 82 507 0378| F:+27 21 462 4509  
E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town |

[www.sahra.org.za](http://www.sahra.org.za)

\_\_\_\_\_

\_\_\_\_\_

**From:** [PaulPuts](#)  
**To:** [Natasha Higgitt](#); [PaulPuts](#)  
**Cc:** [Ashlin Bodasing](#); [David Wolfromm](#); [Jasper Dick](#); [Tracy Hutcheon](#)  
**Subject:** RE: SAHRA Case Number 13356 - Proposed Paulputs WEF and Grid Connection - N14 Buffer Requirement Motivation Letter  
**Date:** Tuesday, May 7, 2019 1:23:52 PM  
**Attachments:** [image002.png](#)  
[image004.png](#)

---

Dear Natasha

Motivation Letter uploaded to SAHRIS additional documents and status of the case changed to SUBMITTED.

Thank you

---

**From:** Natasha Higgitt [mailto:[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)]  
**Sent:** Tuesday, May 7, 2019 13:03  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>; David Wolfromm <[wolfromm@wkn-windcurrent.com](mailto:wolfromm@wkn-windcurrent.com)>; Jasper Dick <[jasper@wkn-windcurrent.com](mailto:jasper@wkn-windcurrent.com)>; Tracy Hutcheon <[tracy@wkn-windcurrent.com](mailto:tracy@wkn-windcurrent.com)>  
**Subject:** RE: SAHRA Case Number 13356 - Proposed Paulputs WEF and Grid Connection - N14 Buffer Requirement Motivation Letter

Good afternoon,

Thank you for the letter. Please upload the document to the additional documents section of the SAHRIS application. Once completed, please change the status of the case to SUBMITTED and inform me so that I may process the application.

Kind regards,

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Tuesday, May 07, 2019 12:55 PM  
**To:** Natasha Higgitt <[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)>  
**Cc:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>; David Wolfromm <[wolfromm@wkn-windcurrent.com](mailto:wolfromm@wkn-windcurrent.com)>; Jasper Dick <[jasper@wkn-windcurrent.com](mailto:jasper@wkn-windcurrent.com)>; Tracy Hutcheon <[tracy@wkn-windcurrent.com](mailto:tracy@wkn-windcurrent.com)>  
**Subject:** SAHRA Case Number 13356 - Proposed Paulputs WEF and Grid Connection - N14 Buffer Requirement Motivation Letter

Dear Natasha

Please find attached the Motivation Letter for a reduction in the SAHRA N14 buffer requirement from 3 km to 500 m.

Please don't hesitate to contact us if you have any queries. Also please let us know if you would like to meet to discuss this aspect further and / or conduct a site visit.

Thank you

Tel: +27 (0) 21 412 1529  
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**Natasha Higgitt**

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency

- *A nation united through heritage* -

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**From:** [Ryan David-Andersen](#)  
**To:** [Natasha Higgitt](#)  
**Cc:** [Phillip Hine](#)  
**Subject:** RE: Paulputs WEF N14 Buffer (CaseID: 13356)  
**Date:** Thursday, May 30, 2019 3:58:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Dear Natasha

Thank you very much for your timeous response and provision of Interim Comment.

Much appreciated

---

**From:** Natasha Higgitt [mailto:[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)]  
**Sent:** Thursday, May 30, 2019 15:40  
**To:** Ryan David-Andersen <[RyanDA@arcusconsulting.co.za](mailto:RyanDA@arcusconsulting.co.za)>  
**Cc:** Phillip Hine <[phine@sahra.org.za](mailto:phine@sahra.org.za)>  
**Subject:** RE: Paulputs WEF N14 Buffer (CaseID: 13356)

Good afternoon,

Please note that an Interim Comment has been issued on SAHRIS Case ID 13356. Please see link to the case:

<https://sahris.sahra.org.za/cases/paulputs-wind-energy-facility-northern-cape-province>

Kind regards,

---

**From:** Ryan David-Andersen <[RyanDA@arcusconsulting.co.za](mailto:RyanDA@arcusconsulting.co.za)>  
**Sent:** Wednesday, May 29, 2019 5:42 PM  
**To:** Phillip Hine <[phine@sahra.org.za](mailto:phine@sahra.org.za)>; Natasha Higgitt <[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)>  
**Subject:** Paulputs WEF N14 Buffer (CaseID: 13356)

Dear Natasha and Philip

As discussed please may you provide feedback on our Motivation Letter dated 07 May 2019 in response to SAHRA's Interim Comment dated 20 March 2019.

We are presently preparing the updated site layout to provide to specialists for assessment during the EIA phase, and SAHRA's N14 buffer requirement will influence the site layout update.

Thank you

**Ryan David-Andersen**  
Environmental Assessment Practitioner and Ecological Specialist

Tel: +27 (0) 21 412 1529  
Mobile: +27 (0) 72 678 1523  
Email: [RyanDA@arcusconsulting.co.za](mailto:RyanDA@arcusconsulting.co.za)

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Our Ref:



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South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: nhiggitt@sahra.org.za  
CaseID: 13356

Date: Thursday May 30, 2019  
Page No: 1

## Interim Comment

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

Attention: Mr Alan Wolfrohm  
WKN Windcurrent SA (Pty) Ltd

### The Proposed Paulputs Wind Energy Facility and associated electrical grid connection Northern Cape Province

Arcus Consultancy Services South Africa (Pty) Ltd has been appointed by Paulputs Wind Energy Facility (WEF) (RF) Pty Ltd to undertake an Environmental Authorisation (EA) Application for the proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province.

A draft Scoping Report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include a 30MW WEF consisting of 85 wind turbines with grid infrastructure alternative routes between 16.1 km and 17.3 km long with approximately 24.4 km of associated service roads to the existing Paulputs substation and three site options for the on-site substation. Associated activities and infrastructure include a laydown area, operation and maintenance buildings, approximately 50 km of internal access roads.

ASHA Consulting (Pty) Ltd and Natura Viva cc were appointed to provide the heritage specialist component as part of the EA in terms of section 24(4)b(iii) of the NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

*Orton, J. 2019. Heritage Impact Assessment: Proposed Paulputs Wind Energy Facility and Associated Grid Connection near Pofadder, Kenhardt Magisterial District, Northern Cape*

It is noted that a desktop Palaeontological Impact Assessment (PIA) will be included in the EIA report.

Surface scatters of Stone Age artefacts including pottery and ostrich eggshell fragments were noted around some of the dolerite hills and pans, small stone-walled structures, quarried quartz outcrops, bedrock outcrops with natural water reservoirs and grinding patches were noted within the development application area. Some identified Stone Age lithics include the distal section of a bifacial point and a large quartzite adze.

Three farm complexes occur within the development application but will not be impacted by the propose

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[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)

Date: Thursday May 30, 2019  
Page No: 2

CaseID: 13356

development footprint. The cultural landscape is mostly a natural landscape with minimal human intervention or cultural significance. The N14 freeway bisects the proposed development, and while not a designated tourism route, it is used by tourist travelling to Springbok during the flower season and to Augrabies National Park. The proposed development would be visible to passing road users, whereas existing electrical infrastructure is located some distance from the N14 and are not as visible.

Recommendations provided in the report include the following:

- The final authorised layout for the WEF, all internal roads and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The final authorised layout for the power line, substation and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The distance between the turbines and the N14 should be maximised;
- If any archaeological material or human burials are uncovered during the course of development, then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

In an Interim Comment issued on 20/03/2019, SAHRA noted the pending PIA report and requested that the draft EIA and appendices must be submitted at the beginning of the Public Review period in order for an informed comment to be issued.

SAHRA also noted, that to remain consistent throughout the Northern Cape, a minimum of 3 km buffer is required between any turbine placement and a National Road. The EAP must consider this during the EIA phase of the EA application process. See SAHRIS Case ID 473 official comments for more information (<https://sahris.sahra.org.za/cases/roggeveld-wind-farm>). The EAP may motivate for a reduction in this buffer as shown SAHRIS Case ID 8383 (<https://sahris.sahra.org.za/cases/gunstfontein-wef>).

Since the issuing of the Interim Comment, a letter motivating the reduction of the 3 km buffer to 500 m has been submitted to the case. The letter notes that the 3 km buffer would render the proposed development unfeasible. Further motivation includes that the landscape has been previously impacted by several overhead powerlines.

Our Ref:



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Department of Arts and Culture

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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 13356

Date: Thursday May 30, 2019  
Page No: 3

### Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit accepts the above motivation to reduce the buffer between the closest wind turbine and the N14 to 500 m.

SAHRA awaits the pending PIA and draft EIA with appendices before further comments are issued.

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

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

---

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

### ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/519935>  
(DEA, Ref: )

**From:** [Ryan David-Andersen](mailto:Ryan.David-Andersen@drdlr.gov.za)  
**To:** [Ntanganedzeni.Ramasunzi@drdlr.gov.za](mailto:Ntanganedzeni.Ramasunzi@drdlr.gov.za)  
**Subject:** Location of the Proposed Paulputs WEF and Grid Connection  
**Date:** Monday, April 8, 2019 12:01:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[3073-REP-002 Fig 5.1 Proposed Development Plan.pdf](#)

Dear Ntanganedzeni

The proposed Paulputs Wind Energy Facility (WEF) is located approximately 50 km (centre point of the site) northeast from Pofadder in the Northern Cape Province and approximately 80 km northwest of Kakamas. The proposed Paulputs WEF is situated in two (2) district municipalities, i.e. the Namakwa District Municipality and the ZF Mgcawu District Municipality, and falls within the Khâi-Ma Local Municipality and the Kai !Garib Local Municipality. [Table 1 and 2](#), and [Figure 5.1 Proposed Site Development Plan attached](#) provide details of the affected farm portions and their landowner details. WEF site landowners are indicated in Table 1 and Grid Connection landowners in Table 2 below.

**Table 1: Paulputs WEF Landowner Details**

Farm	Portion	Owner	SG Codes	Size
Farm 92	Portion 2	IZAK JACOBUS MARTHINUS VAN DEN HEEVER	C0360000000009200005	1573.07
Farm 92	Portion 3	FLORES JOHANNES VAN DER COLFF	C0360000000009200003	948.99
Farm 92	Portion 5	FLORES JOHANNES VAN DER COLFF	C0360000000009200005	1573.06
Farm 93	Portion 1	FLORES JOHANNES VAN DER COLFF	C0360000000009300001	3193.78
Farm 93	Portion 2	FLORES JOHANNES VAN DER COLFF	C0360000000009300002	2895.08
Farm 93	Portion 4	MARIA MARGARETHA CLASINA STRAUS	C0360000000009300004	2895.36

**Table 2: Paulputs WEF Grid Connection Landowner Details**

Farm	Portion	Owner	SG Codes	Size
Farm 93	Portion 8	SANRAL	C0360000000009300008	30.76
Farm 91	Portion 1	NICOLAAS MICHIEL BRAND	C0360000000009100001	5040.03
Farm 92	Portion 4	KAXU CSP SOUTH AFRICA PTY LTD, ABENGOA	C0360000000009200004	3507.63
Farm 92	Portion 6	KONKOONSIES TRUST	C0360000000009100006	1713.12
Farm 92	Portion 1	KONKOONSIES TRUST	C0360000000009200001	3507.64
Farm 92	RE	T G N BOERDERY TRUST	C0360000000009200000	5447.92

The centrepoint coordinates for the proposed Paulputs WEF site are:

28°57'09.65''S

19°43'49.33''E

Please see below coordinates table for the proposed Paulputs WEF:

**Development Area Geographic Coordinates - Paulputs WEF**

Reference Point	Latitude (Degrees Minutes Seconds)	Longitude (Degrees Minutes Seconds)
A	28°52'58"S	19°41'30"E
B	28°54'45"S	19°47'05"E
C	28°55'07"S	19°46'53"E
D	28°57'39"S	19°47'57"E
E	29°00'21"S	19°45'06"E
F	28°59'42"S	19°42'00"E
G	28°57'14"S	19°39'29"E
H	28°55'39"S	19°40'44"E

Please see below coordinates table for the proposed Paulputs WEF Grid Connection (overhead powerline):

**Development Area Geographic Coordinates - Paulputs WEF Grid Connection**

Reference Point	Latitude (Degrees Minutes Seconds)	Longitude (Degrees Minutes Seconds)
Option 1 - Start	28°58'21"S	19°45'33"E
Option 1 - Middle	28°55'29"S	19°36'25"E
Option 1 - End	28°52'52"S	19°33'52"E
Option 2 - Start	28°58'21"S	19°45'33"E
Option 2 - Middle	28°52'17"S	19°37'07"E
Option 2 - End	28°52'52"S	19°33'52"E

Please may you confirm the above and provide any further information you may have on the location of the proposed development. For example are any Land Claims planned for the properties affected by the proposed Paulputs WEF and Grid Connection (Table 1 and 2 above)?

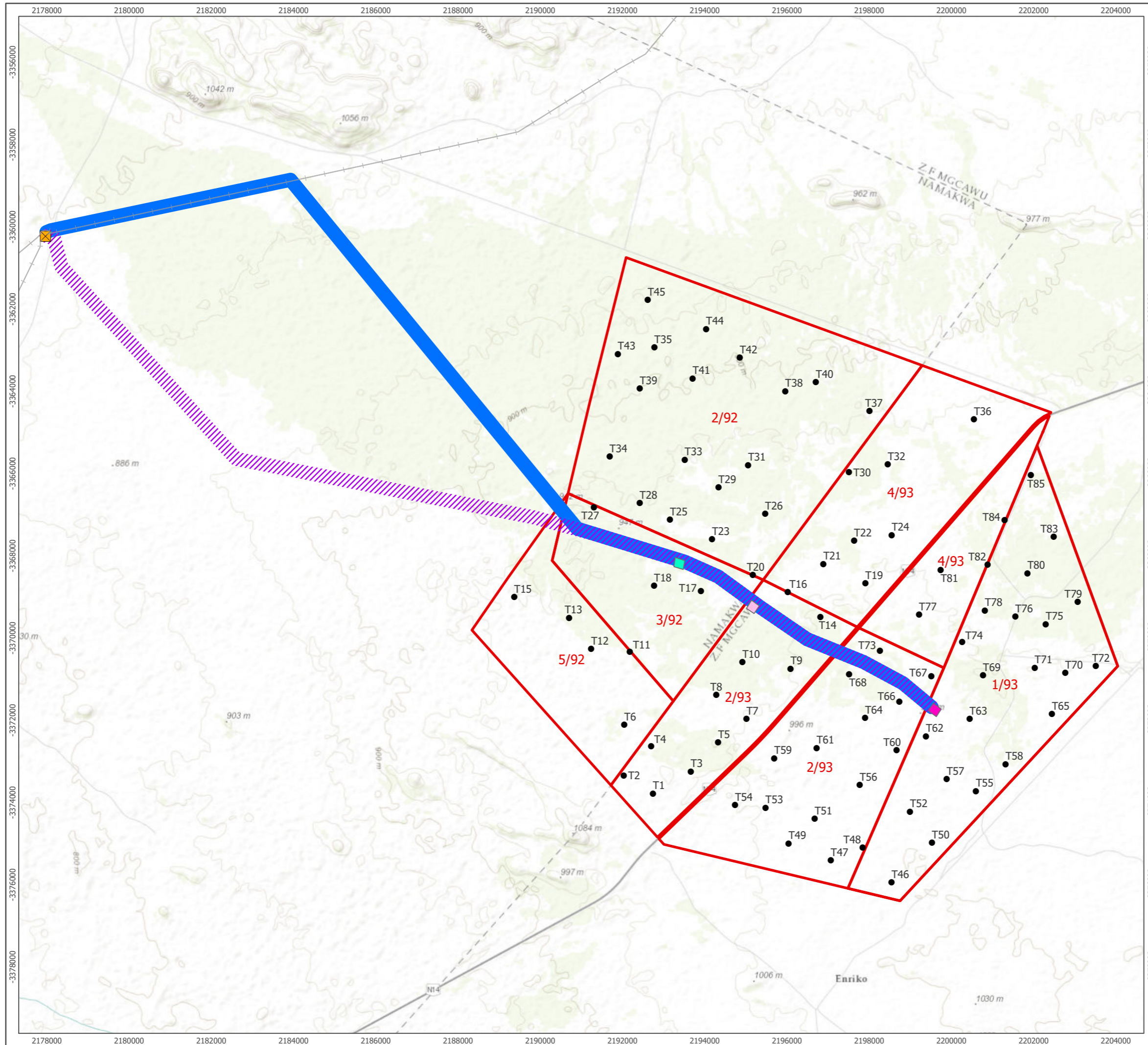
Thank you

**Ryan David-Andersen**  
 Environmental Assessment Practitioner and Ecological Specialist

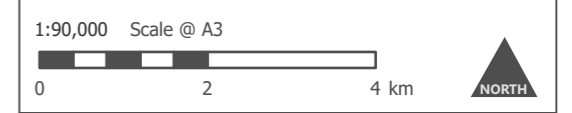
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- Farm Portions
- Preliminary Turbine Layout
- Existing Eskom Substation
- Existing Eskom Transmission Lines
- Paulputs Substation Compound Option A
- Paulputs Substation Compound Option B
- Paulputs Substation Compound Option C
- Grid Option 1
- Grid Option 2



Produced By: MB	Ref: 3073-REP-002
Checked By: AA	Date: 16/01/2019

**Proposed Development Plan**  
Figure 5.1

**Paulputs WEF**  
Scoping Report

**From:** [Busang Sethole](#)  
**To:** [Ryan David-Andersen](#)  
**Cc:** [Musa Baloye](#); [Adrian Tiplady](#); [Selaelo Matlhane - SKA](#)  
**Subject:** Fwd: FW: Notification of Paulputs WEF and Grid Connection Draft Scoping Report  
**Date:** Thursday, June 6, 2019 10:06:08 AM  
**Attachments:** [image003.png](#)  
[image002.png](#)  
[image001.png](#)  
[3073-Paulputs-Public-Partipation-Report-FSR.pdf](#)

---

Good Day

Apologies for the delay, i have been out of office with limited access to the internet. I have seen the final scoping report and yes our concerns are captured appropriately.

Best Regards,

**Busang Sethole**

**Spectrum and Telecommunications Analyst**

South African Radio Astronomy Observatory (SARAO)

Address: 17 Baker Street,

Rosebank, Johannesburg, 2196

Tel: [+27 \(0\) 11 268 3449](tel:+27(0)112683449) | Cell [+27 \(0\) 79 465 5064](tel:+27(0)794655064)

Email: [bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)

Website: [www.ska.ac.za](http://www.ska.ac.za)

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

**From:** **Adrian Tiplady** <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>

**Date:** Thu, May 30, 2019 at 4:05 PM

**Subject:** Fwd: FW: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

**To:** Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>, Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>, Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>

Please check

----- Forwarded Message -----

**Subject:**FW: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

**Date:**Mon, 27 May 2019 13:19:52 +0000

**From:**Ryan David-Andersen <[RyanDA@arcusconsulting.co.za](mailto:RyanDA@arcusconsulting.co.za)>

**To:** [atiplady@ska.ac.za](mailto:atiplady@ska.ac.za) <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>

Dear Adrian

Please may you provide confirmation that we have satisfactorily addressed SARAO requirements in respect of the SARAO letter dated 20 February 2019.

Thank you

---

**From:** Ryan David-Andersen

**Sent:** Tuesday, April 16, 2019 10:59

**To:** '[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)' <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>

**Subject:** RE: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Adrian

Please may you provide me feedback on our previous correspondence and the Paulputs Final Scoping Report (FSR) submitted on 02 April 2019.

In particular the Comments and Responses Trail in Section 4 of FSR Volume II - Public Participation Report Pages 12 to 17. Please find attached for ease of reference.

Have we addressed SARAO comment and requirements acceptably?

Thank you

**Ryan David-Andersen**

Environmental Assessment Practitioner and Ecological Specialist



---

Tel: +27 (0) 21 412 1529

Mobile: +27 (0) 72 678 1523

Email: [RyanDA@arcusconsulting.co.za](mailto:RyanDA@arcusconsulting.co.za)

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**From:** Ryan David-Andersen

**Sent:** Friday, March 29, 2019 16:02

**To:** '[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)' <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>

**Subject:** RE: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Adrian

Following up on below email.

Sorry did try to call a few times today - lots of meetings.

Could you please confirm your requirements by Monday morning? - We need to submit our Final Scoping Report on Tuesday which means printing and courier on Monday.

Thank you

---

**From:** Ryan David-Andersen  
**Sent:** Thursday, March 28, 2019 10:24  
**To:** '[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)' <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>  
**Subject:** FW: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Adrian

Thanks very much for taking my call earlier.

As discussed please may you clarify SKA / SARAO requirements for the Paulputs WEF as per the attached letters dated 31 January 2019 and 20 February 2019.

Our proposed approach is to include your comments and responses from the project team including a *'commitment from the developer to ensure that, when measured using SANS211 standard, the radiated emissions does not exceed the SARAS protection levels at the nearest SKA telescope'* in all our EIA reports. We will also include reference to the Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007).

May you please confirm that this will suffice and that no further specialist study is required at EIA phase?

Thank you

**From:** Musa Baloye [<mailto:mbaloye@ska.ac.za>]

**Sent:** Wednesday, March 20, 2019 14:30

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>; Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>; Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>; Thato Nape <[tnape@ska.ac.za](mailto:tnape@ska.ac.za)>; Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>

**Subject:** Re: Notification of Paulputs WEF and Grid Connection Draft Scoping Report

Dear Ms. Alwie

Please find the attached letter from SARAO.

Thank you.

Regards,

On Tue, Feb 19, 2019 at 9:48 AM PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)> wrote:

Dear Interested and Affected Party

The Draft Scoping Report for the Proposed Paulputs Wind Energy Facility (WEF) and Grid Connection is available for you to view.

Please find attached a letter with further information regarding the availability of the Paulputs WEF and Grid Connection Draft Scoping Report.

Thank you

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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**Musa Baloye**

**Project Coordinator**

South African Radio Astronomy Observatory (SARAO)  
17 Baker Street, Rosebank, Johannesburg, 2196

Email: [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)

Website: [www.ska.ac.za](http://www.ska.ac.za)

## Aneesah Alwie

---

**From:** PaulPuts  
**Subject:** FW: 14/12/16/3/3/2/1120  
**Attachments:** 1120.pdf

**From:** EIAAdmin [<mailto:EIAAdmin@environment.gov.za>]  
**Sent:** Wednesday, 17 April 2019 11:57  
**To:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>  
**Cc:** EIAAdmin <[EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)>; Herman Alberts <[HALberts@environment.gov.za](mailto:HALberts@environment.gov.za)>  
**Subject:** 14/12/16/3/3/2/1120

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

Kind Regards,

EIA Admin  
Integrated Environmental Authorisations:  
Coordination, Strategic Planning and Support  
Tel: (012) 399 8630 / (012) 399 8529  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)  
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**environmental affairs**  
Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

***Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).***

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## **environmental affairs**

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

**DEA Reference:** 14/12/16/3/3/2/1120

**Enquiries:** Toinette van der Merwe

**Tel:** 012 399 8630 **E-mail:** [TVanDerMerwe@environment.gov.za](mailto:TVanDerMerwe@environment.gov.za)

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
**CAPE TOWN**  
8001

**Tel:** (021) 412 1529

**Email:** [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za)

**PER EMAIL / MAIL**

Dear Sir/Madam

### **ACKNOWLEDGEMENT OF RECEIPT OF THE FINAL SCOPING REPORT FOR THE DEVELOPMENT OF THE 300MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ITS ASSOCIATED 132KV GRID CONNECTION, NORTHERN CAPE PROVINCE.**

The Department confirms having received the final Scoping Report for the abovementioned project on 02 April 2019. We further confirm that you have submitted these documents to comply with the the National Environmental Management Act, 1998 (Act No. 107 of 1998) Environmental Impact Assessment Regulations, 2014 published under Government Notice R982 in Government Gazette No. 38282 dated 04 December 2014, as amended ('the EIA Regulations, 2014').

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.

All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate.

EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.

You are hereby reminded of Section 24F of the National Environmental Management Act, (Act No. 107 of 1998), as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

**Kindly quote the abovementioned reference number in any future correspondence in respect of the application.**

Yours sincerely



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Letter signed by: Mr Rhulani Kubayi**

**Designation: Control Environmental Officer: EIA Systems and Tools**

**Date: 08/04/2019**



## Aneesah Alwie

---

**From:** PaulPuts  
**Subject:** FW: 14/12/16/3/3/2/1120  
**Attachments:** 14-12-16-3-3-2-1120.pdf

**From:** EIAAdmin [<mailto:EIAAdmin@environment.gov.za>]  
**Sent:** Wednesday, 15 May 2019 15:11  
**To:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>; [MrWolf@wkn-windcurrent.com](mailto:MrWolf@wkn-windcurrent.com); [Bfisher@ncpg.gov.za](mailto:Bfisher@ncpg.gov.za); [vries@khaima.gov.za](mailto:vries@khaima.gov.za)  
**Cc:** Herman Alberts <[HALberts@environment.gov.za](mailto:HALberts@environment.gov.za)>; EIAAdmin <[EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)>  
**Subject:** 14/12/16/3/3/2/1120

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

Kind Regards,  
Integrated Environmental Authorisations:  
IEM Systems and Tools Coordination  
Tel (012) 399 8630 / 9370 / 9367  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

**Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).**

'Please consider the environment before you print this email'

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## **environmental affairs**

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road · Arcadia · PRETORIA

**DEA Reference:** 14/12/16/3/3/2/1120

**Enquiries:** Mr Herman Alberts

**Telephone:** (012) 399 9371 **E-mail:** HAlberts@environment.gov.za

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
**CAPE TOWN**  
8001

Telephone Number: (021) 412 1529  
Email Address: ashlinb@arcusconsulting.co.za

### **PER E-MAIL / MAIL**

Dear Ms Bodasing

### **ACCEPTANCE OF THE FINAL SCOPING REPORT FOR THE PROPOSED 300MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ASSOCIATED 132KV GRID CONNECTION, NORTHERN CAPE PROVINCE**

The Scoping Report (SR) and Plan of Study for Environmental Impact Assessment (PoSEIA) dated April 2019 and received by this Department on 02 April 2019 refer.

This Department has evaluated the submitted SR and the PoSEIA dated April 2019 and is satisfied that the documents comply with the minimum requirements of the Environmental Impact Assessment (EIA) Regulations, 2014 as amended. The SR is hereby accepted by the Department in terms of Regulation 22(a) of the EIA Regulations, 2014, as amended.

You may proceed with the Environmental Impact Assessment process in accordance with the tasks contemplated in the PoSEIA and the requirements of the EIA Regulations, 2014, as amended.

All comments and recommendations made by all stakeholders and Interested and Affected Parties (I&APs) in the draft SR and submitted as part of the final SR must be taken into consideration when preparing an Environmental Impact Assessment report (EIAR) in respect of the proposed development. Please ensure that all mitigation measures and recommendations in the specialist studies are addressed and included in the final EIAR and Environmental Management Programme (EMPr).

Please ensure that comments from all relevant stakeholders are submitted to the Department with the final EIAR. This includes but is not limited to the Northern Cape Department of Environment and Nature Conservation (DENC), the Department of Agriculture, Forestry and Fisheries (DAFF), the provincial Department of Agriculture, the South African Civil Aviation Authority (SACAA), the Department of Transport, the Khai-Ma and Namakwa Local Municipalities, the ZF Mgcawu and Namakwa District Municipalities, the Department of Water and Sanitation (DWS), the South African National Roads Agency Limited (SANRAL), the South African Heritage Resources Agency (SAHRA), BirdLife SA, the Department of Mineral Resources, the Department of Rural Development and Land Reform, the Department of Environmental Affairs: Directorate Biodiversity and Conservation and SKA.

You are also required to address all issues raised by Organs of State and I&APs prior to the submission of the EIAr to the Department. Proof of correspondence with the various stakeholders must be included in the EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.

The EAP must, in order to give effect to Regulation 8, give registered I&APs access to, and an opportunity to comment on the report in writing within 30 days before submitting the final EIAr to the Department.

In addition, the following additional information is required for the EIAr:

- i. The EIAr must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.
- ii. The listed activities represented in the EIAr and the application form must be the same and correct.
- iii. The EIAr must assess the correct sub listed activity for each listed activity applied for. Please note that the EAP must remove any sub-listed activities that are not listed from the application form and assessment reports.
- iv. The EAP must provide landowner consent for all farm portions affected by the proposed project, whether the project component is linear or not, i.e. all farm portions where the access road, wind turbines and associated infrastructure is to be located.
- v. The EIAr must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions. A sample for the minimum information required is listed under point 2 of the EIA information required for wind energy facilities below.
- vi. The EIAr must provide the four corner coordinate points for the proposed development site (note that if the site has numerous bend points, at each bend point coordinates must be provided) as well as the start, middle and end point of all linear activities.
- vii. The EIAr must provide the following:
  - Clear indication of the envisioned area for the proposed wind energy facility; i.e. placing of wind turbines and all associated infrastructure should be mapped at an appropriate scale.
  - Clear description of all associated infrastructure. This description must include, but is not limited to the following:
    - Powerlines;
    - Internal roads infrastructure; and;
    - All supporting onsite infrastructure such as laydown area, guard house and control room etc.
    - All necessary details regarding all possible locations and sizes of the proposed satellite substation and the main substation.
- viii. The EIAr must also include a comments and response report in accordance with Appendix 2h (iii) of the EIA Regulations, 2014, as amended.
- ix. The EIAr must include the detail inclusive of the PPP in accordance with Regulation 41 of the EIA Regulations, 2014, as amended.
- x. Details of the future plans for the site and infrastructure after decommissioning in 20-30 years and the possibility of upgrading the proposed infrastructure to more advanced technologies.
- xi. A significant amount of materials and equipment will be delivered to the site during the construction phase of the development and will thus have impacts on the environment. The impacts of this activity must be fully identified and assessed. The terms of reference for the Traffic Impact Assessment must be expanded to include the following:
  - Evaluate the impacts of the proposed development on existing road network and traffic volumes. The study must determine the specific traffic needs during the different phases of implementation, namely wind turbine construction and installation, operation and decommissioning;
  - Identify the position and suitability of the preferred access road alternative;
  - Evaluate the roadway capacity of the road network;
  - Confirm the associated clearances required for the necessary equipment to be transported from the point of delivery to the various sites;
  - Confirm freight and transport requirements during construction, operation and maintenance;

- Propose origins and destinations of equipment; and
  - Determine (Abnormal) Permit requirements if any.
- xii. The study area falls potentially within the ambit of the Square Kilometre Array - South Africa. The impacts associated with radio frequency interference on the SKA must form part of the environmental impact assessment if it does. The applicant must liaise with SKA-SA (Dr Adrian Tiplady) for confirmation and their requirements (Terms of Reference for specialist studies) if required. Should EMI and RFI detailed specialist studies be required, these studies must be completed, and included in the draft EIAr, with comments being obtained on these studies from the SKA-SA. All communications and correspondences between the EAP and SKA-SA must be included in the EIAr.
- xiii. All specialist studies must be undertaken at the most appropriate time, and detailed reasons must be provided for why the study was undertaken during the said period.
- xiv. The EIAr must adhere to the all the comments issued by this Department on the draft SR.
- xv. The specialist studies must consider, and clearly stipulate the range of hub heights and rotor diameters considered. The EAP is to ensure that all specialists are to assess the same range in their assessments, and mitigation measures for the range between the minimum and maximum heights must be provided.
- xvi. The specialist studies to be conducted must provide a detailed description of their methodology, as well as indicate the locations and descriptions of turbines that they have assessed.
- xvii. The specialist studies must also provide a detailed description of all limitations to their studies. It must be also noted that all specialist studies must be conducted in the correct season, and conducting a specialist study in the incorrect season and providing that as a limitation will not be accepted.
- xviii. Should the appointed specialists specify contradicting recommendations, the EAP must clearly indicate the most reasonable recommendation and substantiate this with defensible reasons; and where necessary, include further expertise advice.
- xix. Please note that the Department considers a 'no-go' area, as an area where no development of any infrastructure is allowed; therefore, no development of associated infrastructure including access roads and internal cables is allowed in the 'no-go' areas.
- xx. Should the specialist definition of 'no-go' area differ from the Department's definition; this must be clearly indicated. The specialist must also indicate the 'no-go' area's buffer.
- xxi. The EIAr must provide a detailed description of the need and desirability, not only providing motivation on the need for clean energy in South Africa of the proposed activity. The need and desirability must also indicate if the proposed development is needed in the region and if the current proposed location is desirable for the proposed activity compared to other sites. The need and desirability must take into account cumulative impacts of the proposed development in the area.
- xxii. The EIAr must include a detailed **cumulative impact assessment** of the facility if there are other similar facilities within a 30km radius of the proposed development site. All the specialist studies e.g. biodiversity, visual, heritage etc. in the PoSEIA which is incorporated as part of the SR must also assess the facility in terms of potential cumulative impacts. The cumulative impact assessment for all identified and assessed impacts must indicate the following:
- Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land.
  - Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.
  - Identified cumulative impacts associated with the proposed development must be rated with the significance rating methodology approved with the acceptance of the scoping report.
  - The cumulative impact significance rating must also inform the need and desirability of the proposed development.
  - A cumulative impact environmental statement on whether the proposed development must proceed.
- xxiii. Please note that information on location of renewable energy developments can be accessed from <https://www.environment.gov.za/mapsgraphics>.

- xxiv. A copy of the final site layout map. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
- Wind turbine positions (numbered) and its associated infrastructure;
  - Permanent laydown area footprint;
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible);
  - Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used;
  - The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines, nesting and roosting sites, etc. that will be affected by the facility and its associated infrastructure;
  - Substation(s) and/or transformer(s) sites including their entire footprint;
  - Connection routes (including pylon positions) to the distribution/transmission network;
  - All existing infrastructure on the site, especially roads;
  - Buffer areas;
  - Buildings, including accommodation; and
  - All “no-go” areas.
- xxv. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- xxvi. A map combining the final layout map superimposed (overlay) on the environmental sensitivity map.
- xxvii. A shapefile of the preferred development layout/footprint must be submitted to this Department. The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree Format using the WGS 84 Spheroid. The shapefile must include at a minimum the following extensions i.e. .shp; .shx; .dbf; .prj; and, .xml (Metadata file). If specific symbology was assigned to the file, then the .avl and/or the .lyr file must also be included. Data must be mapped at a scale of 1:10 000 (please specify if an alternative scale was used). The metadata must include a description of the base data used for digitizing. The shapefile must be submitted in a zip file using the EIA application reference number as the title. The shape file must be submitted to:

**Postal Address:**

Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Environment House  
473 Steve Biko Road  
Pretoria

For Attention: Muhammad Essop  
Integrated Environmental Authorisations  
Strategic Infrastructure Developments  
Telephone Number: (012) 399 9406  
Email Address: MEssop@environment.gov.za

The Environmental Management Programme (EMPr) to be submitted as part of the EIAR must include the following:

- i. All recommendations and mitigation measures recorded in the EIAR and the specialist studies conducted.
- ii. The final site layout map.

- iii. Measures as dictated by the final site layout map and micro-siting.
- iv. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- v. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map.
- vi. An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of alien species is undertaken.
- vii. A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled by a vegetation specialist familiar with the site and be implemented prior to commencement of the construction phase.
- viii. An avifauna and bat monitoring and management plan to be implemented during the construction and operation of the facility. This plan must be drafted according to the latest guidelines by a suitably qualified avifauna and bat specialist.
- ix. A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility. Restoration must be undertaken as soon as possible after completion of construction activities to reduce the amount of habitat converted at any one time and to speed up the recovery to natural habitats.
- x. An open space management plan to be implemented during the construction and operation of the facility.
- xi. A traffic management plan for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
- xii. A transportation plan for the transport of components, main assembly cranes and other large pieces of equipment.
- xiii. A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
- xiv. A fire management plan to be implemented during the construction and operation of the facility.
- xv. An erosion management plan for monitoring and rehabilitating erosion events associated with the facility. Appropriate erosion mitigation must form part of this plan to prevent and reduce the risk of any potential erosion.
- xvi. An effective monitoring system to detect any leakage or spillage of all hazardous substances during their transportation, handling, use and storage. This must include precautionary measures to limit the possibility of oil and other toxic liquids from entering the soil or storm water systems.
- xvii. Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.

The EAP must provide detailed motivation if any of the above requirements is not required by the proposed development and not included in the EMPr.

The EAP must provide the final detailed Site Layout Plan as well as the final EMPr for approval with the final EIAR as this Department needs to make a decision on the EA, EMPr and Layout Plan.

Please ensure that all the relevant Listing Notice activities are applied for, that the Listing Notice activities applied for are specific and that they can be linked to the development activity or infrastructure in the project description.

You are hereby reminded that should the EIAr fail to comply with the requirements of this acceptance letter, the project will be refused in accordance with Regulation 24(1)(b) of the EIA Regulations, 2014, as amended.

The applicant is hereby reminded to comply with the requirements of Regulation 45 with regard to the time period allowed for complying with the requirements of the Regulations, and Regulations 43 and 44 with regard to the allowance of a comment period for interested and affected parties on all reports submitted to the competent authority for decision-making. The reports referred to are listed in Regulation 43(1).

Furthermore, it must be reiterated that, should an application for Environmental Authorisation be subject to the provisions of Chapter II, Section 38 of the National Heritage Resources Act, Act 25 of 1999, then this Department will not be able to make nor issue a decision in terms of your application for Environmental Authorisation pending a letter from the pertinent heritage authority categorically stating that the application fulfils the requirements of the relevant heritage resources authority as described in Chapter II, Section 38(8) of the National Heritage Resources Act, Act 25 of 1999. Comments from SAHRA and/or the provincial department of heritage must be provided in the EIAr.

You are requested to submit two (2) electronic copies (1 CD/DVD and 1 USB) and one (1) hard copy of the EIAr to the Department as per Regulation 23(1) of the EIA Regulations, 2014, as amended.

Please also find attached information that must be used in the preparation of the EIAr. This will enable the Department to speedily review the EIAr and make a decision on the application.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, which stipulates that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours faithfully



Mr Sabelo Malaza

**Chief Director: Integrated Environmental Authorisations  
Department of Environmental Affairs**

**Letter Signed by: Mr Coenrad Agenbach**

**Designation: Deputy Director: Strategic Infrastructure Developments**

**Date: 15/05/2019**

cc:	Alan Wolfrohm	Paulputs Wind Energy Facility (RF) (Pty) Ltd	Email: MrWolf@wkn-windcurrent.com
	Brian Fisher	NC DENC	Email: bfisher@ncpg.gov.za
	Edward Vries	Khai-Ma Local Municipality	Email: vries@khaima.gov.za

## A. EIA INFORMATION REQUIRED FOR WIND ENERGY FACILITIES

### 1. General site information

The following general site information is required:

- Descriptions of all affected farm portions
- 21 digit Surveyor General codes of all affected farm portions
- Copies of deeds of all affected farm portions
- Photos of areas that give a visual perspective of all parts of the site
- Photographs from sensitive visual receptors (tourism routes, tourism facilities, etc.)
- Facility design specifications including:
  - Type of technology
  - Structure height
  - Surface area to be covered (including associated infrastructure such as roads)
  - Structure orientation
  - Laydown area dimensions (construction period and thereafter)
  - Generation capacity
- Generation capacity of the facility as a whole at delivery points

This information must be indicated on the first page of the EIAr. It is also advised that it be double checked as there are too many mistakes in the applications that have been received that take too much time from authorities to correct.

### 2. Sample of technical details for the proposed facility:

Component	Description/ Dimensions
Location of the site	
Facility area	
SG Codes	
Site access	
Export capacity	
Proposed technology	
Hub height from ground level	
Rotor diameter	
Area occupied by substations	
Area occupied by both permanent and construction laydown areas	
Area occupied by buildings	
Width and length of internal roads	
Proximity to grid connection	
Type and height of fencing	

### 3. Site maps and GIS information

Site maps and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- All affected farm portions must be indicated
- The exact site of the application must be indicated (the areas that will be occupied by the application)



- A status quo map/layer must be provided that includes the following:
  - Current use of land on the site including:
    - Buildings and other structures
    - Agricultural fields
    - Grazing areas
    - Natural vegetation areas (natural veld not cultivated for the preceding 10 years) with an indication of the vegetation quality as well as fine scale mapping in respect of Critical Biodiversity Areas and Ecological Support Areas
    - Critically endangered and endangered vegetation areas that occur on the site
    - Bare areas which may be susceptible to soil erosion
    - Cultural historical sites and elements
  - Rivers, streams and water courses
  - Ridgelines and 20m continuous contours with height references in the GIS database
  - Fountains, boreholes, dams (in-stream as well as off-stream) and reservoirs
  - High potential agricultural areas as defined by the Department of Agriculture, Forestry and Fisheries
  - Buffer zones (also where it is dictated by elements outside the site):
    - 500m from any irrigated agricultural land
    - 1km from residential areas
  - Indicate isolated residential, tourism facilities on or within 1km of the site
- A slope analysis map/layer that include the following slope ranges:
  - Less than 8% slope (preferred areas for WIND TURBINE and infrastructure)
  - between 8% and 12% slope (potentially sensitive to WIND TURBINE and infrastructure)
  - between 12% and 14% slope (highly sensitive to WIND TURBINE and infrastructure)
  - steeper than 18 % slope (unsuitable for WIND TURBINE and infrastructure)
- A site development proposal map(s)/layer(s) that indicate:
  - Foundation footprint
  - Permanent laydown area footprint
  - Construction period laydown footprint
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible)
  - River, stream and water crossing of roads and cables indicating the type of bridging structures that will be used
  - Substation(s) and/or transformer(s) sites including their entire footprint.
  - Cable routes and trench dimensions (where they are not along internal roads)
  - Connection routes to the distribution/transmission network (the connection must form part of the EIA even if the construction and maintenance thereof will be done by another entity such as ESKOM)
  - Cut and fill areas at WIND TURBINE sites along roads and at substation/transformer sites indicating the expected volume of each cut and fill
  - Borrow pits
  - Spoil heaps (temporary for topsoil and subsoil and permanently for excess material)
  - Buildings including accommodation

With the above information authorities will be able to assess the strategic and site impacts of the application.

#### 4. Regional map and GIS information

The regional map and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- The map/layer must cover an area of 20km around the site
- Indicate the following:
  - roads including their types (tared or gravel) and category (national, provincial, local or private)
  - Railway lines and stations
  - Industrial areas
  - Harbours and airports
  - Electricity transmission and distribution lines and substations
  - Pipelines
  - Waters sources to be utilised during the construction and operational phases
  - A visibility assessment of the areas from where the facility will be visible
  - Critical Biodiversity Areas and Ecological Support Areas
  - Critically Endangered and Endangered vegetation areas
  - Agricultural fields
  - Irrigated areas
  - An indication of new road or changes and upgrades that must be done to existing roads in order to get equipment onto the site including cut and fill areas and crossings of rivers and streams

#### 5. Important stakeholders

Amongst other important stakeholders, comments from the National Department of Agriculture, Forestry and Fisheries must be obtained and submitted to the Department. Any application, documentation, notification etc. should be forwarded to the following officials:

Ms Mashudu Marubini  
Delegate of the Minister (Act 70 of 1970)  
E-mail: MashuduMa@daff.gov.za  
Tel 012- 319 7619

Ms Thoko Buthelezi  
AgriLand Liaison office  
E-mail: ThokoB@daff.gov.za  
Tel 012- 319 7634

All hardcopy applications / documentation should be forwarded to the following address:

Physical address:

Delpen Building  
Cnr Annie Botha and Union Street  
Office 270  
Attention: Delegate of the Minister Act 70 of 1970

Postal Address:

Department of Agriculture, Forestry and Fisheries  
Private Bag X120  
Pretoria  
0001  
Attention: Delegate of the Minister Act 70 of 1970

In addition, comments must be requested from Eskom regarding grid connectivity and capacity. Request for comment must be submitted to:

Mr John Geeringh  
Eskom Transmission  
Megawatt Park D1Y38  
PO Box 1091  
**JOHANNESBURG**  
2000

Tel: 011 516 7233  
Fax: 086 661 4064  
John.geeringh@eskom.co.za

## **B. AGRICULTURE STUDY REQUIREMENTS**

- Detailed soil assessment of the site in question, incorporating a radius of 50 m surrounding the site, on a scale of 1:10 000 or finer. The soil assessment should include the following:
  - Identification of the soil forms present on site
  - The size of the area where a particular soil form is found
  - GPS readings of soil survey points
  - The depth of the soil at each survey point
  - Soil colour
  - Limiting factors
  - Clay content
  - Slope of the site
  - A detailed map indicating the locality of the soil forms within the specified area,
  - Size of the site
- Exact locality of the site
- Current activities on the site, developments, buildings
- Surrounding developments / land uses and activities in a radius of 500 m of the site
- Access routes and the condition thereof
- Current status of the land (including erosion, vegetation and a degradation assessment)
- Possible land use options for the site
- Water availability, source and quality (if available)
- Detailed descriptions of why agriculture should or should not be the land use of choice
- Impact of the change of land use on the surrounding area
- A shape file containing the soil forms and relevant attribute data as depicted on the map.

## **C. ASTRONOMY GEOGRAPHIC ADVANTAGE ACT, 2007 (ACT NO. 21 OF 2007)**

The purpose of the Act is to preserve the geographic advantage areas that attract investment in astronomy. The entire Northern Cape Province excluding the Sol Plaatjie Municipality had been declared an astronomy advantage area. The Northern Cape optical and radio telescope sites were declared core astronomy advantage areas. The Act allowed for the declaration of the Southern Africa Large Telescope (SALT), MeerKAT and Square Kilometre Array (SKA) as astronomy and related scientific endeavours that had to be protected.

You are requested to indicate the applicability of the Astronomy Geographic Advantage Act, Act No. 21 of 2007 on the application in the BAR/EIR. You must obtain comments from the Southern African Large Telescope (SALT) if the proposed development is situated within a declared astronomy advantage area.

**From:** PaulPuts  
**To:** ["Karen Clark"](#)  
**Subject:** RE: Notification of Submission of Final Scoping Report for the Proposed Paulputs WEF Northern Cape  
**Date:** Thursday, April 4, 2019 1:45:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day Karen

Thank you for your email. Sonet has been added as an I&AP during the DSR Phase. We will remove all other Leads2Business contacts.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Karen Clark [mailto:[KarenC@l2b.co.za](mailto:KarenC@l2b.co.za)]  
**Sent:** Wednesday, April 3, 2019 9:23  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Cc:** Sonet Du Plooy <[SonetD@L2B.co.za](mailto:SonetD@L2B.co.za)>  
**Subject:** Re: Notification of Submission of Final Scoping Report for the Proposed Paulputs WEF Northern Cape

Good day,

Thank you for your email.

Please kindly remove any previous Leads2Business contacts (including myself) from your list of I&APs and add Sonet Du Plooy (copied).

Thank you so much and have a great day.

Kind Regards,

Karen Clark  
Regional Content Researcher

Leads 2 Business ([www.L2B.co.za](http://www.L2B.co.za))

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

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Please note that any views expressed in this email may be those of the originator and do not necessarily reflect those of Cedrus Internet Solutions (Pty) Ltd.

On 2019/04/03 09:07, PaulPuts ([paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)) wrote:

Dear Interested and Affected Parties

The Final Scoping Report (FSR) for the proposed Paulputs Wind Energy Facility (WEF) and Associated Infrastructure including Grid Connection has been submitted to the Department of Environmental Affairs (DEA) and is available for you to view.

The Paulputs WEF FSR may be viewed at the following locations:

- Khai-Ma Local Municipality, New Street, Pofadder, 8890
- Kakamas Library, Voortrekkerstreet 28, Kakamas, 8870
- Website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Please find attached a letter with further information on the FSR's availability.

Thank you

**Aneesah Alwie**  
Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

---

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

---

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



## **Aneesah Alwie**

---

**From:** PaulPuts  
**Subject:** FW: 14/12/16/3/3/2/1120  
**Attachments:** 00206B9F8EE1190426151130.pdf

From: Thobekile Zungu [mailto:tzungu@environment.gov.za]  
Sent: Friday, 26 April 2019 15:07  
To: Ashlin Bodasing <AshlinB@arcusconsulting.co.za>  
Cc: Seoka Lekota <SLekota@environment.gov.za>  
Subject: 14/12/16/3/3/2/1120

Good day,

Please find the attached comments from DEA: Biodiversity Conservation.

Kind regards  
Thobekile Zungu  
DEA: Biodiversity Conservation  
0123999477

'Please consider the environment before you print this email'

This message and any attachments transmitted with it are intended solely for the addressee(s) and may be legally privileged and/or confidential. If you have received this message in error please destroy it and notify the sender. Any unauthorized usage, disclosure, alteration or dissemination is prohibited. The Department of Environmental Affairs accepts no responsibility for any loss whether it be direct, indirect or consequential, arising from information made available and actions resulting there from. The views and opinions expressed in this e-mail message may not necessarily be those of Management.



## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia, · PRETORIA  
Tel (+ 27 12) 399 9372

**Reference:** 14/12/16/3/3/2/1120

**Enquiries:** Ms Thobekile Zungu/Mr Seoka Lekota

**Telephone:** 012-399 9477 **E-mail:** [slekota@environment.gov.za](mailto:slekota@environment.gov.za)

Ashlin Bodasing  
Arcus Consultancy Services  
Office 220 Cube Workspace  
Cnr Long street & Hans Strijdom road  
**CAPE TOWN**  
8001

Telephone Number: +27 (21) 412 1529  
Email Address: [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za)

### **PER E-MAIL**

Dear Ashlin,

### **COMMENTS ON THE FINAL SCOPING REPORT FOR THE PROPOSED PAULPUTS WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE INCLUDING GRID CONNECTION, NORTHERN CAPE PROVINCE.**

The directorate: Biodiversity Conservation reviewed and evaluated the above-mentioned report and recommends the following to be considered during the DEIR phase:

- A site inspection must be conducted with DENC after submission of the Draft Environmental Impact Assessment Report;
- The site layout must be designed in a way that avoid all sensitive areas such as wetlands and protected/listed plant species;
- Permits must be acquired to disturb or remove all the protected and listed plant species on site
- The recommendations in the Ecological, Avifauna and Bats assessment specialist reports must be implemented and adhered to.

The overall biodiversity objective is to minimise loss to biodiversity as possible. Therefore, in order to achieve this objective the above mentioned recommendations must be adhered to.

Yours faithfully

**Mr Stanley Tshitwamulomoni**  
**Acting Director: Biodiversity Conservation**  
**Department of Environmental affairs**  
**Date:** 26/04/2019



**From:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net)  
**To:** [PaulPuts](#)  
**Subject:** RE: DEA Ref. No.: 14/12/16/3/3/2/1120  
**Date:** Monday, June 10, 2019 1:03:06 PM  
**Attachments:** [image003.png](#)  
[image004.png](#)

---

Dear M. Alwie

Your response is appreciated. Thank you for registering me and Gemini as interested and affected persons.

Postal address: P.O. Box 121, Pofadder 8890  
Tel: 054-933 0640                      083-572 1213

Your geologist is obviously ignorant of the resource potential of the area. You should have asked the DMR for details regarding current and past prospectors in the region. Then you would have been able to contact me before.

The name of your project is misleading, as there is a farm named "Paul-se-Puts" further south. If the project was named after the relevant farms, Lucasvlei or Scuitklip, then I would have paid better attention to your notices.

Kind regards

Deon le Roux

---

**From:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Monday, 10 June 2019 12:03  
**To:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net)  
**Subject:** RE: DEA Ref. No.: 14/12/16/3/3/2/1120

Dear DM le Roux

Thank you for the email received on 29 May 2019 following distribution of the Paulputs Wind Energy Facility (WEF) and Grid Connection Final Scoping Report on 02 April 2019. Your comment has been received and will be included as part of the Comments and Responses Report for the proposed development.

Comment from Gemini Mining and Exploration (Pty) Ltd, with prospective right on 'Oup 80, Lower Zwart Modder 79 and Upper Zwart Modder 78', is acknowledged and Gemini Mining and Exploration (Pty) Ltd has been registered as an Interested and Affected Party (I&AP).

The Public Participation Process (PPP) followed by Arcus Consultancy Services SA (Pty) Ltd ('Arcus')

for the proposed Paulputs WEF and Grid Connection is being conducted as per the requirements of Regulation 41, 42, 43 and 44 of GN R. 326 in the Environmental Impact Assessment (EIA) Regulations 2014 as amended, promulgated under Section 24 (5) of the National Environmental Management Act (Act 107 of 1998 - NEMA) as amended. The first stage of public consultation was undertaken during the initial notification phase. Advertisements were placed in the local *Gemsbok* newspaper and provincial *Die Burger* newspaper; site notices were erected on the site and written notices were sent out to the affected landowners, surrounding landowners and occupiers of the site as well as to key stakeholders and organs of state. Following the initial phase, notification of the availability of the Scoping Report were sent out to all registered I&APs during the scoping phase. The objective of the Scoping phase PPP was to inform the National, Provincial and local Government Authorities, relevant public, private sector entities, NGOs and local communities about the project and capture their initial views and issues of concern that is important for the formulation of a plan of study, and to allow the public to register as I&APs.

The Department of Mineral Resources and landowners, registered I&APs since initial notification phase, did not notify / advise us of Gemini Mining and Exploration (Pty) Ltd rights in terms of prospecting (NCS 10420PR) that you have now made us aware of.

With reference to the Geology Section of the Final Scoping Report, the EAP liaised with the Geotechnical Specialist to assess the '*consequences of the proposed windfarm on potential mining, i.e. the sterilization of mineral resources*'. The geologist advised that construction and operation of the proposed wind energy facility will have negligible impact on mineral resources of adjacent farms.

To date, the Final Scoping Report has been submitted to the competent authority, the Department of Environmental Affairs (DEA), and was accepted on 15 May 2019. The applicant must, within 106 days of acceptance of the scoping report, submit the Final Environmental Impact Assessment (EIA) Report to the DEA.

The Draft EIA Report will be made available for public review and all comments received will be responded to and provided to the DEA in the Final EIA Report. You will therefore have further opportunity to make comment if required as part of this process before a final decision is reached on the outcome of the application.

We hereby confirm that Arcus has included Gemini Mining and Exploration (Pty) Ltd as an I&AP on the database with the below details and Gemini Mining and Exploration (Pty) Ltd will receive all public correspondence going forward, including notification of availability of the Draft EIA Report.

Name and Surname: D.M. le Roux

Interest in Project: Prospecting Right (NCS 10420PR) on the adjacent farms

Company: Gemini Mining and Exploration (Pty) Ltd

Email Address: [dmleroux@lantic.net](mailto:dmleroux@lantic.net)

Contact Number: Not yet received

Postal Address: Not yet received

In conclusion, if you would like to view the latest publicly available documents of the Proposed

Development, you are welcome to visit the Arcus website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

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Cape Town

8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net) [<mailto:dmleroux@lantic.net>]

**Sent:** Wednesday, May 29, 2019 10:02

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Subject:** DEA Ref. No.: 14/12/16/3/3/2/1120

Ashlin Bodasing

I only found out about the planned windfarm this morning, when I saw your Final Scoping Report at the Khai-Ma Municipality. Your public participation was incomplete, as my Company, Gemini Mining and Exploration (Pty) Ltd, with a prospecting right (NCS 10420PR) on the adjacent farms - Oup 80, Lower Zwart Modder 79 and Upper Zwart Modder 78 - was never consulted as an affected and interested party. This information is freely available at the Department Mineral Resource.

Section 7 of the Scoping Report (Geology etc.) touch the geology superficially and ignores the consequences of the proposed windfarm on potential mining, i.e. the sterilization of mineral resources.

I strongly object against your incomplete EIA process and this proposed windfarm.

D.M. le Roux

## Aneesah Alwie

---

**From:** dmleroux@lantic.net  
**Sent:** Tuesday, June 18, 2019 11:36 AM  
**To:** PaulPuts  
**Subject:** FW: DEA Ref. No.: 14/12/16/3/3/2/1120

Dear M. Alwie

I have studied the specialist reports found at the Khai-Ma Municipality. Mr. Lodenkemper is certainly a “Competent Person” w.r.t. engineering geology. His report dealt with the foundation conditions and can not be faulted.

The sterilization of mineral resources received no mention in the scoping report. A “Competent Person” as per definition is a suitably qualified geologist with adequate (>5 years) experience of mining/exploration in a particular field of economic geology, in this instance **magmatic ore deposits** (e.g. platinum in the Bushveld Igneous Complex). The compilers of the Scoping Report neglected to acquire information on prospecting rights from the Northern Cape Department of Mineral Resources.

I shall provide the required geological input in my comments on the final EIA.

The CPR requested in my previous letter (below) is no longer required.

Kind regards

D.M. le Roux

---

**From:** dmleroux@lantic.net <dmleroux@lantic.net>  
**Sent:** Saturday, 15 June 2019 08:32  
**To:** 'PaulPuts' <paulputs@arcusconsulting.co.za>  
**Subject:** RE: DEA Ref. No.: 14/12/16/3/3/2/1120

Dear M. Alwie

Please send me a copy of the **unabridged** (raw geochemical, geophysical and drilling data, geological interpretations and conclusions) **independent CPR** (Competent Person Report) on the **Mining Potential** of Lucasvlei, Scuitklip and environs, as well as the **CV** (curriculum vitae) of the **CP** (Competent Person) as a matter of urgency.

Thank you in anticipation!

Kind regards

D.M. le Roux  
I&AP

---

**From:** PaulPuts <paulputs@arcusconsulting.co.za>  
**Sent:** Monday, 10 June 2019 12:03  
**To:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net)  
**Subject:** RE: DEA Ref. No.: 14/12/16/3/3/2/1120

Dear DM le Roux

Thank you for the email received on 29 May 2019 following distribution of the Paulputs Wind Energy Facility (WEF) and Grid Connection Final Scoping Report on 02 April 2019. Your comment has been received and will be included as part of the Comments and Responses Report for the proposed development.

Comment from Gemini Mining and Exploration (Pty) Ltd, with prospective right on 'Oup 80, Lower Zwart Modder 79 and Upper Zwart Modder 78', is acknowledged and Gemini Mining and Exploration (Pty) Ltd has been registered as an Interested and Affected Party (I&AP).

The Public Participation Process (PPP) followed by Arcus Consultancy Services SA (Pty) Ltd ('Arcus') for the proposed Paulputs WEF and Grid Connection is being conducted as per the requirements of Regulation 41, 42, 43 and 44 of GN R. 326 in the Environmental Impact Assessment (EIA) Regulations 2014 as amended, promulgated under Section 24 (5) of the National Environmental Management Act (Act 107 of 1998 - NEMA) as amended. The first stage of public consultation was undertaken during the initial notification phase. Advertisements were placed in the local *Gemsbok* newspaper and provincial *Die Burger* newspaper; site notices were erected on the site and written notices were sent out to the affected landowners, surrounding landowners and occupiers of the site as well as to key stakeholders and organs of state. Following the initial phase, notification of the availability of the Scoping Report were sent out to all registered I&APs during the scoping phase. The objective of the Scoping phase PPP was to inform the National, Provincial and local Government Authorities, relevant public, private sector entities, NGOs and local communities about the project and capture their initial views and issues of concern that is important for the formulation of a plan of study, and to allow the public to register as I&APs.

The Department of Mineral Resources and landowners, registered I&APs since initial notification phase, did not notify / advise us of Gemini Mining and Exploration (Pty) Ltd rights in terms of prospecting (NCS 10420PR) that you have now made us aware of.

With reference to the Geology Section of the Final Scoping Report, the EAP liaised with the Geotechnical Specialist to assess the '*consequences of the proposed windfarm on potential mining, i.e. the sterilization of mineral resources*'. The geologist advised that construction and operation of the proposed wind energy facility will have negligible impact on mineral resources of adjacent farms.

To date, the Final Scoping Report has been submitted to the competent authority, the Department of Environmental Affairs (DEA), and was accepted on 15 May 2019. The applicant must, within 106 days of acceptance of the scoping report, submit the Final Environmental Impact Assessment (EIA) Report to the DEA.

The Draft EIA Report will be made available for public review and all comments received will be responded to and provided to the DEA in the Final EIA Report. You will therefore have further opportunity to make comment if required as part of this process before a final decision is reached on the outcome of the application.

We hereby confirm that Arcus has included Gemini Mining and Exploration (Pty) Ltd as an I&AP on the database with the below details and Gemini Mining and Exploration (Pty) Ltd will receive all public correspondence going forward, including notification of availability of the Draft EIA Report.

Name and Surname: D.M. le Roux

Interest in Project: Prospecting Right (NCS 10420PR) on the adjacent farms

Company: Gemini Mining and Exploration (Pty) Ltd

Email Address: [dmleroux@lantic.net](mailto:dmleroux@lantic.net)

Contact Number: Not yet received

Postal Address: Not yet received

In conclusion, if you would like to view the latest publicly available documents of the Proposed Development, you are welcome to visit the Arcus website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

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Tel: +27 (0) 21 412 1529

Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

---

**Arcus Consultancy Services South Africa (Pty) Ltd**

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Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net) [<mailto:dmleroux@lantic.net>]

**Sent:** Wednesday, May 29, 2019 10:02

**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Subject:** DEA Ref. No.: 14/12/16/3/3/2/1120

Ashlin Bodasing

I only found out about the planned windfarm this morning, when I saw your Final Scoping Report at the Khai-Ma Municipality. Your public participation was incomplete, as my Company, Gemini Mining and Exploration (Pty) Ltd, with a prospecting right (NCS 10420PR) on the adjacent farms - Oup 80, Lower Zwart Modder 79 and Upper Zwart Modder 78 - was never consulted as an affected and interested party. This information is freely available at the Department Mineral Resource.

Section 7 of the Scoping Report (Geology etc.) touch the geology superficially and ignores the consequences of the proposed windfarm on potential mining, i.e. the sterilization of mineral resources.

I strongly object against your incomplete EIA process and this proposed windfarm.

D.M. le Roux

**From:** PaulPuts  
**To:** ["Jonathan Visser"](#)  
**Subject:** RE: Please register me as an I&AP  
**Date:** Thursday, July 11, 2019 9:09:00 AM  
**Attachments:** [image001.png](#)

---

Good Day Jonathan

Thank you for your interest and request to be added to the I&AP database.

You have been added to the I&AP database for the Proposed Paulputs WEF Development.

Kind Regards  
Aneesah Alwie

---

**From:** Jonathan Visser [mailto:[jonathanv@iwpower.co.za](mailto:jonathanv@iwpower.co.za)]  
**Sent:** Monday, July 8, 2019 14:14  
**To:** PaulPuts <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** Please register me as an I&AP

Hi Ryan,

Please can you add me as an I&AP to the Paulputs project.

Kind Regards,

**Jonathan Visser**

Integrated Wind Power (Pty) Ltd.

Tel: +27 (0) 73 268 7797  
Email: [jonathanv@iwpower.co.za](mailto:jonathanv@iwpower.co.za)  
Website: [www.iwpower.co.za](http://www.iwpower.co.za)



**From:** [Aneesah Alwie](#)  
**To:** [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
**Cc:** "Ashlin Bodasing"; [Ryan David-Andersen](#)  
**Subject:** RE: New private message from SAHRIS: SAHRIS Case ID 13356  
**Date:** Monday, August 5, 2019 12:22:00 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Good Day Natasha

The Case ID 13356 status has been changed to SUBMITTED. Please note that the PIA has been uploaded as an appendices to the HIA.

Thank You.

Kind Regards

**Aneesah Alwie**

Tel: +27 (0) 21 412 1529  
Email: [AneesahA@arcusconsulting.co.za](mailto:AneesahA@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

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Cnr Long Street and Hans Strijdom Ave  
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8001

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

From: [sahrisadmin@sahra.org.za](mailto:sahrisadmin@sahra.org.za) [<mailto:sahrisadmin@sahra.org.za>]  
Sent: Monday, 05 August 2019 11:40  
To: Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>  
Subject: New private message from SAHRIS: SAHRIS Case ID 13356

Hi Arcus.Consulting,

This is an automatic reminder from the site SAHRA. You have received a new private message from natasha.higgitt.

To read your message on SAHRIS,  
First LOGIN TO SAHRIS



then, follow this link:

<https://sahris.sahra.org.za/messages/view/24055>

Alternatively, login to SAHRIS and navigate to [www.sahra.org.za/messages](http://www.sahra.org.za/messages)

The body of your message reads:

\*\*\*\*

Good morning,

I have noted the submission of the draft EIA, however the requested PIA is still outstanding. I will change the status of the case to DRAFT. Once the outstanding report is submitted, please change the status of the case to SUBMITTED.

Kind regards,

Natasha Higgitt

\*\*\*\*

If you don't want to receive these emails again, change your preferences here:

<https://sahris.sahra.org.za/user/29506/edit>

Please do not reply to this automated message as it is generated by the system account.

**From:** [Nokubonga Ncera](#)  
**To:** [paulputs](#)  
**Subject:** RE: Draft EIA  
**Date:** Tuesday, August 6, 2019 1:13:48 PM  
**Attachments:** [image003.png](#)  
[image004.png](#)

---

Thank you Aneesah

---

**From:** paulputs <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Tuesday, August 06, 2019 12:59 PM  
**To:** Nokubonga Ncera <[nokubonga.ncera@abengoa.com](mailto:nokubonga.ncera@abengoa.com)>  
**Subject:** RE: Draft EIA

**Caution:** This email has been originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Day

Thank you for your call advising that you cannot locate the Proposed Paulputs documents on the Arcus website. For ease of reference please follow the link below to access the project documents:

<https://arcusconsulting.co.za/projects/paulputs-wef-and-grid-connection/>

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
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Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Nokubonga Ncera [<mailto:nokubonga.ncera@abengoa.com>]  
**Sent:** Tuesday, August 6, 2019 12:57  
**To:** paulputs <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Subject:** RE: Draft EIA

300 MW Paulputs Wind Energy Facility (WEF) and associated Grid Connection,

**From:** [alphonsus biba](#)  
**To:** [paulputs](#)  
**Subject:** Enquiry Local Contractor  
**Date:** Wednesday, August 7, 2019 9:46:08 AM

---

Good day

I saw something about a wind energy project at the Khai Ma municipality office in Pofadder.

We are a local woman owned construction company and are interested.

Our Company is Camajo Renovation and based in Pofadder at 499 Voottrekker street

Hope to hear from you soon

Kind regards

Alphons

**From:** [paulputs](#)  
**To:** [Michael Moreland](#)  
**Subject:** RE: Pofadder Wind Energy Facility - Draft EIA review  
**Date:** Friday, August 23, 2019 1:39:49 PM

---

Dear Michael

Please see below [responses](#) to your queries in-line.

Link to the Proposed Paulputs WEF and Grid Connection Project Draft EIAR:  
<https://arcusconsulting.co.za/projects/paulputs-wef-and-grid-connection/>

Please note that consultation with your Abengoa colleagues Michelle Hamman and Kudzai Chizanga was undertaken by the Paulputs WEF Applicant during Scoping Phase. This correspondence is provided as Appendix 11 of the Draft EIA Report Volume II and largely addresses your comments below. Furthermore the EMPr requires engagement with Abengoa during construction - EMPr requirements copied here:

- *'The construction of the grid connection must involve consultation with existing neighbouring solar facilities, these consultations must include matters relating to dust, blasting activities and road maintenance. The agreements made between these parties must be incorporated into the updated EMPr.'*; and
- *'The contractor and developer must liaise with nearby solar farms to minimise potential impacts (e.g. minimise dust generation near existing solar farms and prevent damage to roads or other existing infrastructure).'*

Responses to email below:

- **Dust suppression management and monitoring as this can directly impact neighbouring Abengoa projects production**  
Dust suppression will be implemented throughout construction phase as per EMPr requirements. Please find the link to the Paulputs Draft EMPr <https://arcusconsulting.co.za/projects/paulputs-wef-and-grid-connection/> with further dust suppression details, specifically *'Section 6.6 Dust Control'* and the construction and operation phase mitigation measure - *'Unless there are water shortages, ensure that dust suppression techniques are implemented*  
*o on all access roads;*  
*o in all areas where vegetation clearing has taken place; and*  
*o on all soil stockpiles.'*
- **Project access roads and traffic management – potential impact on Abengoa staff commuting to site as well as the road conditions**  
Access to site is planned from the N14. According to the Traffic Impact Assessment *'Staff and worker transport to site is approximately 18 AM and 18 PM peak hour trips to/from site, 2 of which would be buses... These trips would originate in nearby towns such as Pofadder, Kakamas and Keimoes and would have a negligible traffic impact.'* The Traffic Impact Assessment further concludes: *'The construction of the Paulputs Wind Energy Project and various other solar PV energy projects planned within 35 km from the site could coincide with the Paulputs WEF and grid construction. The cumulative traffic is not significant considering the road network capacity*

*in the vicinity of the site, but abnormal load and particularly super-load transportation from Saldanha Port should preferably be co-ordinated to limit impact (delay of traffic) on the road network where possible.'* A Traffic Management Plan and Transportation Management Plan will also be developed if preferred bidder status is awarded. Guidelines and generic versions of these two plans are provided in the attached Draft EMPr - Section 13 and 14 respectively.

- **Water required for the project – where will the project source water and what are the estimated quantities**

*Please see extract from Aquatic Impact Assessment: '...water might be abstracted from Orange River and/ or boreholes. GA is not applicable to the relevant catchments and a full WULA process will need to be followed. The WEF will require no more than 26 000 m<sup>3</sup> per annum during construction phase and an insignificant quantity of water during the operational phase.'*

Please let us know if you have any further queries.

Thank you  
Ryan David-Andersen

---

**From:** Michael Moreland [mailto:michael.moreland@abengoa.com]  
**Sent:** Friday, August 16, 2019 8:30  
**To:** paulputs <paulputs@arcusconsulting.co.za>  
**Subject:** RE: Pofadder Wind Energy Facility - Draft EIA review

Good day

Any feedback regarding the request below.

Thank you in advance

Regards

Michael Victor Moreland

Environmental & Quality Manager

**ABENGOA**

Abengoa Solar  
KaXu & Xina O&M  
Portion 4 Farm Scuit - Klip 92 - Pofadder - Northern Cape - South Africa  
Cell: +2774 567 7143  
Office: +27 54 933 1213  
[michael.moreland@abengoa.com](mailto:michael.moreland@abengoa.com)



---

**From:** Michael Moreland

**Sent:** 13 August 2019 06:58 AM

**To:** [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Subject:** Pofadder Wind Energy Facility - Draft EIA review

Good day

I am having difficulty opening a Draft EIA on your website for review.  
Can you please send me a link or a pdf copy.

I am interested in the following:

- Dust suppression management and monitoring as this can directly impact neighbouring Abengoa projects production
- Project access roads and traffic management – potential impact on Abengoa staff commuting to site as well as the road conditions
- Water required for the project – where will the project source water and what are the estimated quantities

Thank you in advance

Regards

Michael Victor Moreland

Environmental & Quality Manager

**ABENGOA**

Abengoa Solar

KaXu & Xina O&M

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[michael.moreland@abengoa.com](mailto:michael.moreland@abengoa.com)



ABENGOA



**From:** [DFM Exploration \(Pty\) Ltd NC 12382 PR](#)  
**To:** [paulputs](#)  
**Cc:** [dmleroux@lantic.net](mailto:dmleroux@lantic.net)  
**Subject:** Comments on FSR DEA Reference No. 14/12/16/3/3/2/1120  
**Date:** Friday, August 16, 2019 11:09:19 AM  
**Attachments:** [Comments on FSR Paulputs Windfarm.pdf](#)

---

Good Day

Please find attach comments on the FSR for the Paulputs WEF. All correspondence in this regard must be directed to the Author of the report attached at [dmleroux@lantic.net](mailto:dmleroux@lantic.net).

Regards

D.M. le Roux

**PAULPUTS WIND ENERGY FACILITY (RF) PTY LTD**

**COMMENTS ON FINAL SCOPING REPORT, JULY 2019**

**SECTION 53 of the MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO. 28 of 2002)**

53.1. (1) Subject to subsection (2), any person who intends to use the surface of the land in any way which may be contrary to any object of this Act or which is likely to impede any such object must apply to the Minister for approval in the prescribed manner.

**Section 53 of the MPRD Act of 2002 is applicable to the proposed wind energy facility, as mineral resources may be sterilised.**

**The SAMRAC CODE** sets a required minimum standard for "... reporting on exploration results, mineral resources or mineral reserves, prepared for the purpose of informing investors or potential investors and their advisers..."

4.3 "A COMPETENT PERSON is a person who is a member of SACNASP. A COMPETENT PERSON should have a minimum of five years' experience relevant to the style of mineralization and type of deposit under consideration and to the activity which that person is undertaking."

In the Geotechnical Report, Mr. Lodenkemper wisely refrained from expressing an opinion on the mining potential of the farms, Scuitklip and Lucasvlei, and correctly restricted himself to foundation stability conditions, which are undoubtedly within his field of expertise.

D.M. le Roux

M.Sc., Pr. Sci. Nat

SACNASP Registration number: 400036/95

## Aneesah Alwie

---

**Subject:** 14/12/16/3/3/2/1120  
**Attachments:** 14-12-16-3-3-2-1120.pdf

**From:** EIAAdmin [<mailto:EIAAdmin@environment.gov.za>]  
**Sent:** Friday, 16 August 2019 11:05  
**To:** Ashlin Bodasing <[AshlinB@arcusconsulting.co.za](mailto:AshlinB@arcusconsulting.co.za)>; [MrWolf@wkn-windcurrent.com](mailto:MrWolf@wkn-windcurrent.com); 'B Fisher' <[bfisher@ncpg.gov.za](mailto:bfisher@ncpg.gov.za)>; [vries@khaima.gov.za](mailto:vries@khaima.gov.za)  
**Cc:** Herman Alberts <[HALberts@environment.gov.za](mailto:HALberts@environment.gov.za)>; EIAAdmin <[EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)>  
**Subject:** 14/12/16/3/3/2/1120

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

Kind Regards,  
Integrated Environmental Authorisations:  
IEM Systems and Tools Coordination  
Tel (012) 399 8630 / 9370 / 9367  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)



**Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).**

'Please consider the environment before you print this email'

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## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia, PRETORIA

DEA Reference: 14/12/16/3/3/2/1120

Enquiries: Herman Alberts

Telephone: (012) 399 9371 E-mail: HAlberts@henvironment.gov.za

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 220, Cube Workspace, Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
**CAPE TOWN**  
8001

Telephone Number: (021) 412 1529  
Email Address: ashlinb@arcusconsulting.co.za

### PER E-MAIL / MAIL

Dear Ms Bodasing

### COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED 300MW PAULPUTS WIND ENERGY FACILITY (WEF) AND ASSOCIATED 132KV GRID CONNECTION, NORTHERN CAPE PROVINCE

The draft Environmental Impact Assessment Report (EIAr) dated July 2019 and received by this Department on 18 July 2019 refers.

*On 08 December 2014 the Minister of Water and Environmental Affairs promulgated regulations in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), viz, the NEMA Environmental Impact Assessment (EIA) Regulations 2014 (GN R982, R983, R984 and R985 of 04 December 2014). The NEMA EIA Regulations, 2014 and listing notices, were subsequently amended on 07 April 2017 (refer to GN R324, R325, R326, R327 of 07 April 2017) and is being referred to as NEMA EIA Regulations, 2014, as amended. The same referencing would apply to the listing notices containing the listed activities that would require Environmental Authorisation.*

This letter serves to inform you that the following information must be included to the final EIAr:

#### **(a) Listed Activities**

- i. Please ensure that all relevant listed activities are applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description.
- ii. If the activities applied for in the application form differ from those mentioned in the final EIAr, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.

#### **(b) Alternatives**

- i. Please provide a description of any identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity as per Appendix 3 (1) (h) (i)

of the EIA Regulations, 2014, as amended. Alternatively, you should submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist in terms of Appendix 3.

- ii. Please note that information on location of renewable energy developments can be accessed from <https://www.environment.gov.za/mapsgraphics>

**(c) Site Lay Out**

- i. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads.
- ii. The layout map must indicate the following:
  - Wind turbine positions (numbered) and its associated infrastructure;
  - Permanent laydown area footprint;
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible);
  - Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used;
  - The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected by the facility and its associated infrastructure;
  - Substation(s) and/or transformer(s) sites including their entire footprint;
  - Connection routes (including pylon positions) to the distribution/transmission network;
  - All existing infrastructure on the site, especially roads;
  - Buffer areas;
  - Buildings, including accommodation; and
  - All "no-go" areas.
- iii. A map combining the final Layout Plan superimposed (overlain) on the environmental sensitivity map must also be included in the final EIAr.

**(d) Cumulative Impact Assessment**

- i. The EIAr must include a cumulative impact assessment of the facility if there are other similar facilities within a 30km radius of the proposed development site. The specialist studies e.g. biodiversity, visual, heritage etc. in the plan of study for EIA (PoSEIA) which is incorporated as part of the scoping report (SR) must also assess the facility in terms of potential cumulative impacts. The cumulative impact assessment for all identified and assessed impacts must indicate the following:
  - Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land;
  - Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various developments in the area were taken into consideration in the assessment of cumulative impacts;
  - Identified cumulative impacts associated with the proposed development must be rated with the significance rating methodology approved with the acceptance of the scoping report;
  - The cumulative impact significance rating must also inform the need and desirability of the proposed development; and
  - A cumulative impact environmental statement on whether the proposed development must proceed.

**(e) Specialist Declaration of Interest**

- i. Specialist Declaration of Interest forms must be attached to the final EIAr. You are therefore requested to submit original signed Specialist Declaration of Interest forms for each specialist study conducted. The forms are available on Department's website (please use the Department's template).

**(f) Undertaking of an Oath**

- i. Please note that the final EIAr must have an undertaking under oath/ affirmation by the EAP.
- ii. Based on the above, you are therefore required to include an undertaking under oath or affirmation by the EAP (administered by a Commissioner of Oaths) as per Appendix 3 of the NEMA EIA Regulations, 2014, as amended, which states that the EIAr must include:  
*"an undertaking under oath or affirmation by the EAP in relation to:*
  - (i) the correctness of the information provided in the reports;*
  - (ii) the inclusion of comments and inputs from stakeholders and I&APs;*
  - (iii) the inclusion of inputs and recommendations from the specialist reports where relevant; and*
  - (iv) any information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties".*

**(g) Details and Expertise of the EAP**

- i. You are required to include the details and expertise of the EAP in the EIAr, including a curriculum vitae, in order to comply with the requirements of Appendix 3 of the NEMA EIA Regulations, 2014, as amended.

**(h) Public Participation Process**

- i. The following information must be submitted with the final EIAr:
  - A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended;
  - Copies of all comments received during the draft EIAr comment period; and
  - A comment and response report which contains all comments received and responses provided to all comments and issues raised during the public participation process for the draft EIAr. Please note that comments received from this Department must also form part of the comment and response report.
- ii. Please ensure that all issues raised and comments received during the circulation of the draft EIAr from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the final EIAr.
- iii. Proof of correspondence with the various stakeholders must be included in the final EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

**(i) Environmental Management Programme**

- i. The EMPr must also include the following:
  - All recommendations and mitigation measures recorded in the EIAr and the specialist studies conducted.
  - An environmental sensitivity map indicating environmental sensitive areas and features identified during the assessment process.
  - Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.
- ii. In addition to the above, the EMPr must comply with Appendix 4 of the EIA Regulations, 2014, as amended.

**General**

Please note that the final EIAr must comply with all conditions of the acceptance of the scoping report (SR) signed on 15 May 2019, and must address all comments contained in the FSR and this letter.

The EIA must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions. A sample of the minimum information required is listed under point 2 of the EIA information required for solar energy facility as requested in the acceptance of the SR.

Please also ensure that the final EIA includes the period for which the Environmental Authorisation is required and the date on which the activity will be concluded as per Appendix 3 of the NEMA EIA Regulations, 2014, as amended.

You are further reminded to comply with Regulation 23(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that: *"The applicant must within 106 days of the acceptance of the scoping report submit to the competent authority -*

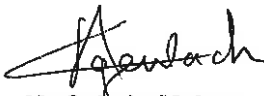
*(a) an environmental impact assessment report inclusive of any specialist reports, and an EMP, which must have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority."*

Should there be significant changes or new information that has been added to the EIA or EMP which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are required to comply with Regulation 23(1)(b) of the NEMA EIA Regulations, 2014, as amended, which states: *"The applicant must within 106 days of the acceptance of the scoping report submit to the competent authority – (b) a notification in writing that the reports, and an EMP, will be submitted within 156 days of acceptance of the scoping report by the competent authority, or where regulation 21(2) applies, within 156 days of receipt of application by the competent authority, as significant changes have been made or significant new information has been added to the environmental impact assessment report or EMP, which changes or information was not contained in the reports or plans consulted on during the initial public participation process contemplated in subregulation (1)(a) and that the revised environmental impact assessment report or EMP will be subjected to another public participation process of at least 30 days"*.

Should you fail to meet any of the timeframes stipulated in Regulation 23 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**  
**Signed by: Mr Coenrad Agenbach**  
**Designation: Deputy Director: Priority Infrastructure Projects**  
**Date: 16/08/2019**

cc:	Mr Alan Wolfromm	Paulputs Wind Energy Facility (RF) (Pty) Ltd	E-mail: MrWolf@wkn-windcurrent.com
	Mr Bryan Fisher	NC DENC	E-mail: bfisher@ncpg.gov.za
	Mr Edward Vries	Khai-Ma Local Municipality	E-mail: vries@khaima.gov.za

## Aneesah Alwie

---

**From:** paulputs  
**Subject:** New private message from SAHRIS: SAHRIS Case ID 13356

From: sahrisadmin@sahra.org.za [mailto:sahrisadmin@sahra.org.za]  
Sent: Friday, 16 August 2019 13:27  
To: Ashlin Bodasing <AshlinB@arcusconsulting.co.za>  
Subject: New private message from SAHRIS: SAHRIS Case ID 13356

Hi Arcus.Consulting,

This is an automatic reminder from the site SAHRA. You have received a new private message from natasha.higgitt.

To read your message on SAHRIS,  
First LOGIN TO SAHRIS  
then, follow this link:  
<https://sahris.sahra.org.za/messages/view/24135>

Alternatively, login to SAHRIS and navigate to [www.sahra.org.za/messages](http://www.sahra.org.za/messages)

The body of your message reads:

\*\*\*\*

Good afternoon,

Please note that a Final Comment has been issued on SAHRIS Case ID 13356. Please see the link to the case.

Kind regards,  
Natasha Higgitt  
\*\*\*\*

If you don't want to receive these emails again, change your preferences here:  
<https://sahris.sahra.org.za/user/29506/edit>

Please do not reply to this automated message as it is generated by the system account.



Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
www.sahra.org.za

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: nhiggitt@sahra.org.za  
CaseID: 13356

Date: Friday August 16, 2019  
Page No: 1

## Final Comment

### In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Mr Alan Wolfrohm  
WKN Windcurrent SA (Pty) Ltd

### The Proposed Paulputs Wind Energy Facility and associated electrical grid connection Northern Cape Province

Arcus Consultancy Services South Africa (Pty) Ltd has been appointed by Paulputs Wind Energy Facility (WEF) (RF) Pty Ltd to undertake an Environmental Authorisation (EA) Application for the proposed Paulputs Wind Energy Facility and Associated Grid Connection, Northern Cape Province.

A draft Scoping Report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include a 30MW WEF consisting of 85 wind turbines with grid infrastructure alternative routes between 16.1 km and 17.3 km long with approximately 24.4 km of associated service roads to the existing Paulputs substation and three site options for the on-site substation. Associated activities and infrastructure include a laydown area, operation and maintenance buildings, approximately 50 km of internal access roads.

ASHA Consulting (Pty) Ltd and Natura Viva cc were appointed to provide the heritage specialist component as part of the EA in terms of section 24(4)b(iii) of the NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

*Orton, J. 2019. Heritage Impact Assessment: Proposed Paulputs Wind Energy Facility and Associated Grid Connection near Pofadder, Kenhardt Magisterial District, Northern Cape*

It is noted that a desktop Palaeontological Impact Assessment (PIA) will be included in the EIA report.

Surface scatters of Stone Age artefacts including pottery and ostrich eggshell fragments were noted around some of the dolerite hills and pans, small stone-walled structures, quarried quartz outcrops, bedrock outcrops with natural water reservoirs and grinding patches were noted within the development application area. Some identified Stone Age lithics include the distal section of a bifacial point and a large quartzite adze.

Three farm complexes occur within the development application but will not be impacted by the propose



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P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

development footprint. The cultural landscape is mostly a natural landscape with minimal human intervention or cultural significance. The N14 freeway bisects the proposed development, and while not a designated tourism route, it is used by tourist travelling to Springbok during the flower season and to Augrabies National Park. The proposed development would be visible to passing road users, whereas existing electrical infrastructure is located some distance from the N14 and are not as visible.

Recommendations provided in the report include the following:

- The final authorised layout for the WEF, all internal roads and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The final authorised layout for the power line, substation and any other areas to be disturbed must be surveyed by an archaeologist prior to construction in order to identify any remaining potential impacts that may need mitigation;
- The distance between the turbines and the N14 should be maximised;
- If any archaeological material or human burials are uncovered during the course of development, then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

In an Interim Comment issued on 20/03/2019, SAHRA noted the pending PIA report and requested that the draft EIA and appendices must be submitted at the beginning of the Public Review period in order for an informed comment to be issued.

SAHRA also noted, that to remain consistent throughout the Northern Cape, a minimum of 3 km buffer is required between any turbine placement and a National Road. The EAP must consider this during the EIA phase of the EA application process. See SAHRIS Case ID 473 official comments for more information (<https://sahris.sahra.org.za/cases/roggeveld-wind-farm>). The EAP may motivate for a reduction in this buffer as shown SAHRIS Case ID 8383 (<https://sahris.sahra.org.za/cases/gunstfontein-wef>).

Since the issuing of the Interim Comment, a letter motivating the reduction of the 3 km buffer to 500 m has been submitted to the case. The letter notes that the 3 km buffer would render the proposed development unfeasible. Further motivation includes that the landscape has been previously impacted by several overhead powerlines.

Our Ref:



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Department of Arts and Culture

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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: 13356

Date: Friday August 16, 2019  
Page No: 3

In an Interim Comment issued on 30/05/2019, SAHRA accepted the motivation to reduce the buffer between the closest wind turbine and the N14 to 500 m. SAHRA noted the pending PIA and draft EIA with appendices.

*Almond, J. E. 2019. Palaeontological Heritage Assessment: Desktop Study for the proposed Paulputs Wind Energy Facility and Associated Grid Connection near Poffadder, Kenhardt Magisterial District, Northern Cape.*

The proposed development is underlain by the Namaqua-Natal Province and the Karoo Dolerite Suite that do not contain fossils. These rocks are overlain by the Kalahari Group superficial deposits that may contain fossils such as bones, teeth, horn corns of mammals, remains of reptiles, ostrich egg, trace fossils, and plant fossils. There is no preference for the proposed grid connections or substation locations. Impact to palaeontological heritage is likely to be negligible. A Chance Fossil Finds Procedure is recommended.

### Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final EIA and EMPr:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the proposed development;
- 38(4)b – The recommendations provided by the heritage specialists are supported and must be adhered to. Specific conditions are provided for the development as follows;
- A report detailing the results of the recommended walkdowns of the final layouts of the powerline and WEF must be compiled by a qualified archaeologist and submitted to SAHRA for comment once completed;
- 38(4)c(i) – If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;

Our Ref:



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www.sahra.org.za

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

Date: Friday August 16, 2019  
Page No: 4

CaseID: 13356

- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
  - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;
  - The Final EIA and EMPr must be submitted to SAHRA for record purposes;
  - The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

Yours faithfully

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Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

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

---

**ADMIN:**

Our Ref:



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Department of Arts and Culture

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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 13356

Date: Friday August 16, 2019  
Page No: 5

Direct URL to case: <http://www.sahra.org.za/node/519935>  
(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.

**From:** [Khululwa Gaongalelwe](#)  
**To:** [paulputs](#)  
**Cc:** [Khululwa Gaongalelwe](#)  
**Subject:** RE: Notification of Availability of the Paulputs WEF and Grid Connection Draft EIA Report  
**Date:** Tuesday, August 20, 2019 10:28:45 AM  
**Attachments:** [image001.jpg](#)  
[image002.jpg](#)  
[image003.jpg](#)  
[image004.jpg](#)  
[image005.jpg](#)  
[image006.jpg](#)  
[image007.png](#)  
[image008.png](#)  
[EA - 14-12-16-3-3-2-1012 \(3\).pdf](#)  
[Aggeneis Paulpit vs Wind Farm proposal.docx](#)

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Good day Aneesah

Attached please find the Environmental Authorisation for Aggeneis Paulputs 400kv granted by DEA on the 23 May 2018 and a Map indicating Eskom's approved corridor(in purple) versus yours ( in blue)

We thus request that you consider our approval when finalising your planning in this area.

Thanking you.

Warm regards  
Khululwa

---

**From:** paulputs <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>  
**Sent:** Monday, 19 August 2019 13:21  
**To:** Khululwa Gaongalelwe <[StuurmKV@eskom.co.za](mailto:StuurmKV@eskom.co.za)>  
**Subject:** RE: Notification of Availability of the Paulputs WEF and Grid Connection Draft EIA Report

Dear Khululwa

Thank you for your email. Please find the attached kmz which shows the Proposed Paulputs site boundary.

Thank You  
Aneesah Alwie

---

**From:** Khululwa Gaongalelwe [<mailto:StuurmKV@eskom.co.za>]  
**Sent:** Monday, August 19, 2019 11:21  
**To:** paulputs <[paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)>

**Cc:** Khululwa Gaongalelwe <[StuurmKV@eskom.co.za](mailto:StuurmKV@eskom.co.za)>

**Subject:** FW: Notification of Availability of the Paulputs WEF and Grid Connection Draft EIA Report

Good day

May you kindly provide us with kmz file so that we may map with existing and proposed Eskom projects in the area and be able to position location of your proposed project.

Thanking you.

Warm regards



---

**From:** PaulPuts [<mailto:paulputs@arcusconsulting.co.za>]

**Sent:** 17 July 2019 05:46 PM

**Subject:** Notification of Availability of the Paulputs WEF and Grid Connection Draft EIA Report

Dear Interested and Affected Party

Herewith notification of availability of the Draft EIA Report for the proposed 300 MW Paulputs Wind Energy Facility (WEF) and associated Grid Connection, Northern Cape.

Please find attached a letter with further information on availability of the Paulputs WEF and Grid Connection Draft EIA Report.

Thank you

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [paulputs@arcusconsulting.co.za](mailto:paulputs@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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- LDR.MTS\_LINE\_VIEW
  - LDR.MTS\_LINE\_VIEW
- Aggeneis\_-\_Paulputs\_400kV\_Line\_Rev5
- LDR.SUBSTATION\_VIEW

▼ Layers

- Primary Database
  - Upgrade available
  - Announcements
  - Borders and Labels
  - Places
  - Photos
  - Roads
  - 3D Buildings
  - Ocean
  - Weather
  - Gallery
  - Global Awareness
  - More
  - Terrain





## **environmental affairs**

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/16/3/3/2/1012

Enquiries: Ms Zamalanga Langa

Telephone: 012-399-9389 E-mail: [Zlanga@environment.gov.za](mailto:Zlanga@environment.gov.za)

Ms Martina Phiri  
Eskom Holding SOC Ltd  
P O Box 1091  
**JOHANNESBURG**  
2000

Telephone Number: 011 800 3550  
Email Address: [phirim@eskom.co.za](mailto:phirim@eskom.co.za)  
**PER MAIL / E-MAIL**

Dear Ms Martina Phiri

### **APPLICATION FOR ENVIRONMENTAL AUTHORISATION (EA) IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA), 1998: GN R. 982/983/985: THE PROPOSED AGGENIES-PAULPUTS 400KV TRANSMISSION POWERLINE AND SUBSTATIONS UPGRADE, NORTHERN CAPE PROVINCE.**

With reference to the above application, please be advised that the Department has decided to grant an environmental authorisation to you. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the National Environmental Management Act: the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing within 14 (fourteen) days of the date of this EA, of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

*M.S*

**Appeals must be submitted in writing in the prescribed form to:**

Director: Appeals and Legal Review of this Department at the below mentioned addresses.

**By email:** appealsdirector@environment.gov.za;

**By hand:** Environment House  
473 Steve Biko Street  
Arcadia  
Pretoria  
0083; or

**By post:** Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the NEMA, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with any activity authorised in the EA until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za).

Yours faithfully



**Mr Sabelo Malaza**  
**Chief Director, Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

Date: 23/05/2018

cc:	Ms Judity Fasheun	Mokgope Consulting	Email: <a href="mailto:judy@mokgope.co.za">judy@mokgope.co.za</a>
	Ms Dineo Moleka	Northern Cape Department of Environment and Nature Conversation	Email: <a href="mailto:d.moleko@ncpg.gov.za">d.moleko@ncpg.gov.za</a>

M.S



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

# Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014

The proposed Aggenies-Paulputs 400kV transmission Powerline and Substations upgrade, Northern  
Cape Province

Namakwa District Municipality

<b>Authorisation register number:</b>	<i>14/12/16/3/3/2/1012</i>
<b>Last amended:</b>	<i>First issue</i>
<b>Holder of authorisation:</b>	<i>Eskom Holdings SOC Limited</i>
<b>Location of activity:</b>	<i>NORTHERN CAPE PROVINCE: Khai- Ma Local Municipality.</i>

This environmental authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this environmental authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA Regulations, 2014 as amendment.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No.107 of 1998) and the Environmental Impact Assessment Regulations, 2014 as amended the Department hereby authorises –

### **ESKOM HOLDINGS SOC LIMITED**

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

**Ms Martina Phiri**

**Eskom Holdings SOC Limited**

P. O. Box 1091

**JOHANNESBURG**

2000

Tel: (011) 800 3550

Cell: 082 468 2137

Fax: 086 607 0618

E-mail: [phirim@eskom.co.za](mailto:phirim@eskom.co.za)

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, 2 and 3 (GN R. 983, 984 and 985), as amended:

Listed activities	Activity/Project description
<p><u>GN R. 983 Item 14</u></p> <p>The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m<sup>3</sup> or more but not exceeding 500m<sup>3</sup>.</p>	<p>Oil collection dams will be built to collect and store transformer oils in cases of spillages at Paulputs substation only. The transformer oil is used to cool the transformer windings.</p> <p>The oil collection dam will be built to accommodate a capacity of 120m<sup>3</sup> of transformer oil.</p> <p>Therefore the capacity of the oil dam will exceed the threshold of 80m<sup>3</sup> but less than 500m<sup>3</sup>.</p>
<p><u>GN R. 983 Item 19</u></p> <p>The infilling or depositing of any material of more than 10m<sup>3</sup> into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10m<sup>3</sup> from a watercourse</p>	<p>During the construction phase, the construction vehicles will require to transport construction materials along the power line route alignment. Should there be no river crossings with causeways along the route, there will be removal or moving of soil, sand, pebbles or rock of more than 10m<sup>3</sup> from a watercourse, to enable easy vehicle access.</p>
<p><u>GN R. 983 Item 32</u></p> <p>The continuation of any development where the environmental authorisation has lapsed and where the continuation of the development, after the date the environmental authorisation has lapsed, will meet</p>	<p>This proposed development is a continuation of the previous "proposed construction of a 220kV transmission line from Aggeneis to Paulputs substations including the associated substation upgrades".</p>

*MS*

Listed activities	Activity/Project description
<p>the threshold of any activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014.</p>	<p>The Environmental Authorisation was granted (date: 20 October 2011).</p>
<p><u>GN R. 983 Item 47</u> The expansion of facilities or infrastructure for the transmission and distribution of electricity where the expanded capacity will exceed 275 kilovolts and the development footprint will increase.</p>	<p>Both the Aggeneis and Paulputs substations will require expansion of their capacity: which will be populated by the designated 2<sup>nd</sup> feeder bay; and with an addition of the 400/132kV Transformer to accommodate the proposed 400kV Power line. A 400kV power line has a bigger footprint and a wider servitude area than a 275kV power line. In particular, Paulputs substation footprint will be expanded by approximately 7.8ha on the south easterly side</p>
<p><u>GN R. 983 Item 48</u> The expansion of: (i) infrastructure or structures where the physical footprint is expanded by 100m<sup>2</sup> or more; or (ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100m<sup>2</sup> or more; where such expansion occurs: (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse</p>	<p>During the construction phase, the construction vehicles will require to transport construction materials along the power line route. Should there be river crossings along the route with causeways that are too small to accommodate the construction vehicles, then the existing causeway crossings will require expansion by more than 100m<sup>2</sup>.</p>
<p><u>GN R. 984 Item 09</u> The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275kilovolts or more, outside an urban</p>	<p>The proposed project involves the construction of a 400kV transmission power line, to be operated at 220kV until future need for it to be</p>

Listed activities	Activity/Project description
<p>area or industrial complex excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is:</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	<p>operated at 400kV. The power line will connect from the Aggeneis substation (approximately 5km south west of a mining town of Aggeneys) to Paulputs substation (approximately 35km north east of Pofadder town) in the Northern Cape Province. The length of the Power line will be approximately 97km, depending on the final route alignment.</p>
<p><u>GN R. 985 Item 04</u></p> <p>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>(g) Northern Cape province:</p> <p>ii. Outside urban areas, in:</p> <p>(bb) National Protected Area Expansion Strategy Focus areas; and</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>During the operation phase of the power line, the access road within the negotiated servitude of approximately 55m will be a gravel road wider than 4m with a reserve less than 13,5m. Negotiations between the landowner, contractor and Eskom Transmission will be undertaken in order to determine the final access routes.</p> <p><u>Geographical Areas</u></p> <p>The power line corridors traverse CBAs (T1 and T2) as well as ESAs through-out its extent. Both the T1 (Critical Terrestrial Habitats) and T2 (Important Terrestrial Areas) were identified by experts as being important for biodiversity areas and include features such as quartz patches, as well as important fauna habitats (Eyssell, 2016).</p>

*M.S*



Listed activities	Activity/Project description
<p><u>GN R. 985 Item 12</u></p> <p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>(g) In Northern Cape</p> <p>(ii) Within any critically biodiversity area identified bioregional plans.</p>	<p>The working areas for tower construction will range from approximately 64m<sup>2</sup> to 3 400m<sup>2</sup>. The working area footprints that are more than 300m<sup>2</sup> will require vegetation clearance of 300m<sup>2</sup> or more, where the vegetation cover constitutes indigenous vegetation.</p> <p><u>Geographical Areas</u></p> <p>The powerline corridors traverse CBAs (T1 and T2) as well as ESAs through-out its extent. Both the T1 (Critical Terrestrial Habitats) and T2 (Important Terrestrial Areas) were identified by experts as being important for biodiversity areas and include features such as quartz patches, as well as important fauna habitats (Eyssell, 2016).</p>
<p><u>GN R. 985 Item 14</u></p> <p>The development of:</p> <p>(ii) infrastructure or structures with a physical footprint of 10m<sup>2</sup> or more;</p> <p>Where such development occurs:</p> <p>(a) within a watercourse; and</p> <p>(c) if no development setback has been adopted, within 32m of a watercourse, measured from the edge of the watercourse.</p> <p>-excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>(g) In Northern Cape:</p>	<p>The footprint working area for each of the tower structures to be constructed will range from approximately 64m<sup>2</sup> to 3 400m<sup>2</sup>, depending on the type of towers to be used at different points along the route alignment. The area footprints exceed the threshold of 10m<sup>2</sup>. Some of the tower structures will be constructed within 32m of a watercourse.</p> <p>The proposed power line routes will overlap with numerous non perennial rivers and drainage lines. The watercourses that will be affected will be determined along the final chosen route alignment prior to construction phase of the project. Applications for water use licenses and</p>

M.S

Listed activities	Activity/Project description
<p>ii. Outside urban areas, in                      (bb) National Protected Area Expansion Strategy Focus areas; and                      (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>rehabilitation will be undertaken prior to the operational phase.</p> <p><u>Geographical Areas</u></p> <p>The power line corridors traverse CBAs (T1 and T2) as well as ESAs through-out its extent. Both the T1 (Critical Terrestrial Habitats) and T2 (Important Terrestrial Areas) were identified by experts as being important for biodiversity areas and include features such as quartz patches, as well as important fauna habitats (Eyssell, 2016). The majority of the southern extent (heading towards Aggeneis substation) of all three proposed powerline corridors will traverse the Kamiesberg Bushmanland Augrabies Focus Area. This focus area represents the largest remaining natural area for the expansion of the protected area network and forms part of the planned Lower Orange River Trans-frontier conservation area (Eyssell, 2016).</p>
<p><u>GN R. 985 Item 18</u></p> <p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.                      (g) Northern Cape province:                      ii. Outside urban areas, in:                      (bb) National Protected Area Expansion Strategy Focus areas; and                      (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>The proposed Corridor 1 from Aggeneis to Paulputs follows the existing 220kV Powerline which already has an existing access road. If Corridor 1 becomes the chosen route for the construction of the proposed 400kV power line, the existing road will require widening by 4m.</p> <p><u>Geographical Areas</u></p> <p>The power line corridors traverse CBAs (T1 and T2) as well as ESAs through-out its extent. Both the T1 (Critical Terrestrial Habitats) and T2</p>

Listed activities	Activity/Project description
	<p>(Important Terrestrial Areas) were identified by experts as being important for biodiversity areas and include features such as quartz patches, as well as important fauna habitats (Eyssell, 2016). The majority of the southern extent (heading towards Aggeneis substation) of all three proposed powerline corridors will traverse the Kamiesberg Bushmanland Augrabies Focus Area. This focus area represents the largest remaining natural area for the expansion of the protected area network and forms part of the planned Lower Orange River Trans frontier conservation area (Eyssell, 2016).</p>

as described in the Environmental Impact Assessment Report dated February 2018 at:

Paulputs Substation Upgrade	Latitude	Longitude
Point A	28° 52' 39.3"S	19° 33' 56.1"E
Point B	28° 52' 41.0"S	19° 33' 56.7"E
Point C	28° 52' 47.6"S	19° 33' 54.9"E
Point D	28° 52' 38.2"S	19° 33' 50.5"E
Point E	28° 52' 46.3"S	19° 33' 48.9"E

Aggeneis Substation Upgrade	Latitude	Longitude
Point A	29° 17' 36.5"S	18° 48' 04.3"E
Point B	29° 17' 43.2"S	18° 48' 23.8"E
Point C	29° 18' 00.1"S	18° 48' 16.2"E
Point D	29° 17' 50.1"S	18° 47' 58.1"E
Point E	29° 17' 54.8"S	18° 48' 00.2"E

Preferred Corridor 1	Latitude	Longitude
Start point -Aggeneis	26° 17' 51.4"S	18° 48' 17.4"E
Middle	29° 8' 9.477"S	19° 14' 13.806"E
End point - Paulputs	28° 52' 42.4"S	19° 33' 53.4"E

**SG Codes**

C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	6	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	8	0	5	9	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	8	7	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	3	9	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	8	0	5	7	0	0	0	1
C	0	3	6	0	0	0	0	0	0	0	0	8	1	4	4	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	2	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	5	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	8	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	6	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0
C	0	3	6	0	0	0	8	0	0	0	0	0	0	9	2	0	0	0	0
C	0	3	6	0	0	0	0	0	0	0	0	0	1	4	5	0	0	0	4
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	8	0	0	0	2
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	8	0	0	0	3
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	8	0	0	0	1
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	8	0	0	0	5

- for the construction of the Aggeneis- Paulputs transmission power line and the upgrade of the Aggeneis and Paulputs Substations of the Khai-Ma Local Municipality in the Northern Cape Province, hereafter referred to as "the property".

The proposed development will entail the following:

- I. A 400kV Aggeneis-Paulputs overhead transmission line with the length of 94km with a 2km wide corridor ;
- II. Upgrade at Aggeneis substation:
  - Aggeneis is an existing substation with a footprint of approximately 11.6ha (Figure 2);
  - The substation will require future footprint extensions; and
  - he substation will be populated by the designated 2nd feeder bay on the 400kV side
- III. Upgrade at Paulputs substation:
  - Paulputs is an existing substation with a current footprint of approximately 3ha (Figure 3);
  - The substation will be expanded by approximately 7.8ha on the south easterly side of the proposed 400kV terrace;
  - The Paulputs substation will be populated by the designated 2nd feeder bay on the 220kV side; and
  - There will be an addition of a 500MVA 400/132kV transformer, which will require an oil collection dam for storage of the transformer oil.
- IV. Access roads

## **Conditions of this Environmental Authorisation**

### **Scope of authorisation**

1. The Alternative Corridor 1 for the construction of the Aggeneis- Paulputs transmission power line and the upgrade of the Aggeneis and Paulputs Substations of the Khai-Ma Local Municipality in the Northern Cape Province is approved as per the geographic coordinates cited above.
2. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised must only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected.

In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.

6. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of five (5) years from the date of issue of this environmental authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
8. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

#### **Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the competent authority for the decision.

#### **Commencement of the activity**

11. The authorised activity must not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014 and no appeal has been lodged against the decision. In terms of section 43(7), an appeal under section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto.

In the instance where an appeal is lodged you must not commence with the activity until such time that the appeal has been finalised.

### **Management of the activity**

12. The Environmental Management Programme (EMPr) submitted as part of the Application for EA must be amended and submitted to the Department for written approval prior to commencement of the activity. The recommendations and mitigation measures recorded in the EIAr dated February 2018 must be incorporated as part of the EMPr. The EMPr must also include all recommendations and mitigation measures of specialist studies and also conditions of this decision. Once approved, the EMPr must be implemented and adhered to.

### **Frequency and process of updating the EMPr**

13. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 23 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
14. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
15. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
16. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R.982. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
17. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 982.

## Monitoring

18. The holder of the authorisation must appoint an experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
- 18.1. The ECO must be appointed before commencement of any authorised activities.
- 18.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za).
- 18.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 18.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

## Recording and reporting to the Department

19. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za).
20. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za).
21. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982.
22. The holder of the authorisation must, in addition, submit an environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.



23. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
24. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

#### **Notification to authorities**

25. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

#### **Operation of the activity**

26. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

#### **Site closure and decommissioning**

27. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

#### **Specific conditions**

28. The approved corridor 1 must be amended prior commencement to include recommendations of Vegetation Assessment, which requires that the section of this corridor where it passes through the Gamsberg prior reaching the Aggeneis substation, must be moved further to west or linked with alternative corridor 2 in order to avoid potential impacts on vegetation of concern.
29. The new alignment of alternative corridor 1 which is inclusive of the recommendation of vegetation specialist as indicated above, must be reviewed by all specialist commissioned for this project and

- specialist statements/conclusions must be submitted together with the final layout map for approval prior to the commencement of activities.
30. An ecological specialist, avifauna specialist, agricultural specialist, and wetland specialist must be commissioned to perform a final walkthrough of the site once the final route alignment and tower positions have been identified. The specialists must cover buffer identification, sensitive sites identification, no-go areas identification, fine scale mapping and site specific mitigation measures within the approved corridor.
  31. A pre-construction walkthrough survey is imperative and must be conducted between March and May, depending on rainfall. This must take place prior to commencement of activity to ensure that all protected, threatened and endemic species are marked to enable avoidance and/or rescue.
  32. No construction activities for the new line must take place within 1km of the Martial Eagle nest on the existing power line during breeding season if the nest is active. The exact timing of breeding season will need to be confirmed prior to construction, but is likely to be approximately March to September.
  33. All existing roads and storage sites must be used where possible.
  34. Towers must not be placed within 100m of red dunes and water sources (drinking troughs, wind mills, reservoirs). No vehicle or human traffic must be allowed through these areas and towers should be spaced to avoid these areas and accessed during construction from either side, not continuously along the servitude.
  35. As recommended by the Avifaunal specialist, a cross rope suspension tower structure must be used, since this will provide less perching and nesting substrate for large birds than a guyed-V or self-support structure.
  36. An avifaunal walk through must be conducted by specialist to determine whether the Martial Eagle nest is occupied and define the breeding season in that year, to identify any other nests of sensitive species, that may require management measures, identify any particularly sensitive habitats, including red dunes and surface water in the form of windmills/reservoirs/drainage lines; and also to provide final confirmation of the high risk sections of this power line.
  37. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
  38. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous, protected or endangered plant or animal species and a copy of such permit/s must be submitted to the Department for record keeping.
  39. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.

40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal.
41. Any solid waste must be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

### **General**

42. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 42.1. at the site of the authorised activity;
  - 42.2. to anyone on request; and
  - 42.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
43. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

**Date of environmental authorisation:** 23/05/2018



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The information contained in the EIAr dated February 2018;
- b) The comments received from interested and affected parties as included in the EIAr dated February 2018;
- c) Mitigation measures as proposed in the EIAr dated February 2018 and the EMPr;
- d) The information contained in the specialist studies contained within Annexure M of the EIAr; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No.107 of 1998).

### 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues that, in the Department's view, were of the most significance are set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project was well explained and the Department considered the need of the project.
- c) The EIAr dated February 2018 identified all legislation and guidelines that have been considered in the preparation of the EIAr dated February 2018.
- d) The methodology used in assessing the potential impacts identified in the EIAr dated February 2018 and the specialist studies have been adequately indicated.
- e) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 (as amended) for public involvement.

### 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAR dated February 2018 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) The information contained in the February 2018 is accurate and credible.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



**From:** [Thobekile Zungu](#)  
**To:** [Ashlin Bodasing; paulputs](#)  
**Cc:** [Seoka Lekota \(sflekota@gmail.com\); Portia Makitla](#)  
**Subject:** 14/12/16/3/3/2/1120  
**Date:** Monday, August 19, 2019 4:02:07 PM  
**Attachments:** [WEF 14-12-16-3-3-2-1120 PROPOSED PAULPUT WIND ENERGY FACILITY NORTHERN CAPE.pdf](#)

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Good day,

Please find the attached comments from DEFF: Biodiversity Conservation directorate.

Kind regards

***Thobekile Zungu***  
***Department of Environment, Forestry & Fisheries***  
***Environment House, 473 Steve Biko Road, Arcadia, Pretoria, 0083***  
***Tel: +27 12 399 9477***  
***Cell: 083 546 7412***  
***Email: [tzungu@environment.gov.za](mailto:tzungu@environment.gov.za)***

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## environmental affairs

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Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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**Reference:** 14/12/16/3/3/2/1120

**Enquiries:** Ms Thobekile Zungu/Mr Seoka Lekota

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### PER E-MAIL

Dear Ashlin

### COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT (DEIR) FOR THE PROPOSED PAULPUTS WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE INCLUDING GRID CONNECTION, NORTHERN CAPE PROVINCE

The Directorate: Biodiversity Conservation reviewed and evaluated the above-mentioned report. It was noted that a part of the proposed development falls within the Critical Biodiversity Area category 1. Therefore, the Directorate is not in-support of the proposed development due to the following reasons:

- A sensitive layout plan on the report does not show all highly sensitive areas such as CBA's and rocky outcrops;
- The proposed development will pose a threat to the protected *Aloidendron dichotomum*, unless an **effective** long-term population monitoring programme is developed and submitted to this Directorate and Department of Environment and Nature Conservation for review.

The overall biodiversity conservation objective is to minimise loss to biodiversity as much possible.

Yours faithfully

**Mr Seoka Lekota**  
**Biodiversity Officer Control Gr B: Biodiversity Conservation**  
**Department of Environmental affairs**  
**Date:** 19-08-2019



## Ryan David-Andersen

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**From:** Peter Cloete <peter.denc87@gmail.com>  
**Sent:** Monday, August 26, 2019 8:34 AM  
**To:** Ryan David-Andersen  
**Subject:** Comments on Paulputs WEF  
**Attachments:** Paulputs WEF Draft EIA ^0 EIA report -PC.pdf

**Follow Up Flag:** FollowUp  
**Flag Status:** Flagged

Dear Ryan

Please find attached the comments on the Draft EIA report from DENC. As soon as I recieved the signed document I will forward for you r attention.

Regards

Mr. Peter Cloete (Pr. Sci. Nat.)  
Production Scientist: Grade A: District Ecologist  
Northern Cape Department Environment and Nature Conservation  
C/O Voortrekker and Magasyn Street  
Springbok  
8240  
Tel: 027 718 8800



the denc

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Enquiries : P. Cloete  
Dipatlisiso : Department Environment and Nature Conservation  
Imibuzo : By email: peter.denc87@gmail.com  
Navrae :  
Reference : DEA Ref. 14/12/16/3/3/2/1120  
Tshupelo :  
Isalathiso :  
Verwysing :

Date :  
Leshupelo :23 August 2019  
Umhla :  
Datum :

**Mr. S. Lekota**  
**Biodiversity Officer Control Gr. B: Biodiversity Conservation**  
**Private Bag X447**  
**Pretoria**  
**0001**

**Attention: Mr. S Lekota**

**RE: DRAFT EIA REPORT FOR PAULPUTS WEF AND GRID CONNECTION NEAR  
POFADDER, KHAI MA LOCAL MUNICIPALITY, NORTHERN CAPE**

**Two Aspects to note:**

- a. A DENC biodiversity permit is needed for veld clearance, animal capture and transportation.
- b. For developments in Namakwa District Municipality liaise with Mr. Ordain Riba ([oriba.denc@gmail.com](mailto:oriba.denc@gmail.com)).

**Background**

The proposed activity is located in a fairly homogenous landscape encompassing Bushmanland Arid Grassland on sandy to shallow sandy substrates. Although variations in landscape topography and habitat exists, none are of great concern except for the drainage line that traverse the area and scattered black "koppies" of volcanic iron rich formations. These two habitats are likely to perform important landscape connectivity and micro-habitat island functions over the landscape. Adjacent to the project area are larger mountainous ridges and inselbergs that are likely to house more unique vegetation assemblages and faunal species. During the site visit a Verreaux's Eagle (*Aquila verreauxii*) was in fact observed over the mountain ridge to the southwest of the project area. The farmer indicated that it has a nest nearby. A CBA1 polygon has been designated over a portion of the plains of the project area (NC CBA map 2017), which seems to relate to the presence of the Quiver Tree, *Aloidendron dichotomum* (SANBI species GIS list of species of conservation concern, 2015). The site visit revealed that individuals of this protected

species – mostly juvenile size - do in fact occur, but that they are scattered and in very low densities. The species in fact occurs in low densities over a wider area than the CBA1 mapping unit, but similarly in low densities. A drainage line also enters the CBA1 polygon. Of potentially greater significance is the occurrence of *Boscia albitrunca* / *Boscia foetida* trees and shrubs over the project area. The two species look fairly similar and requires careful designation since *B. albitrunca* is a Protected Trees species but *B. foetida* is not. The occurrence density is still fairly low at an estimated 0 – 3 plants per hectare, depending on locality, but the densities are definitely higher than for *A. dichotomum*. A single plant of the protected *Hoodia gordonii* was observed, supporting prior impressions that the species is likely to occur. Its presence is however likely to be at very low densities.

**Herewith comments on the scoping and EIA report for the proposed Paulputs Wind Energy Facility.**

1. Concern to be noted: The ground truthing of this development (specialist ecologist: fauna and flora reports) reflect the shortcomings of the SEA process during the identification of the REDZ and should be kept in mind for all future developments within the REDZ. The unfortunate consequences of this is that developers incur unexpected impacts findings that has direct financial implications and might render a development less feasible.

**2. Botanical**

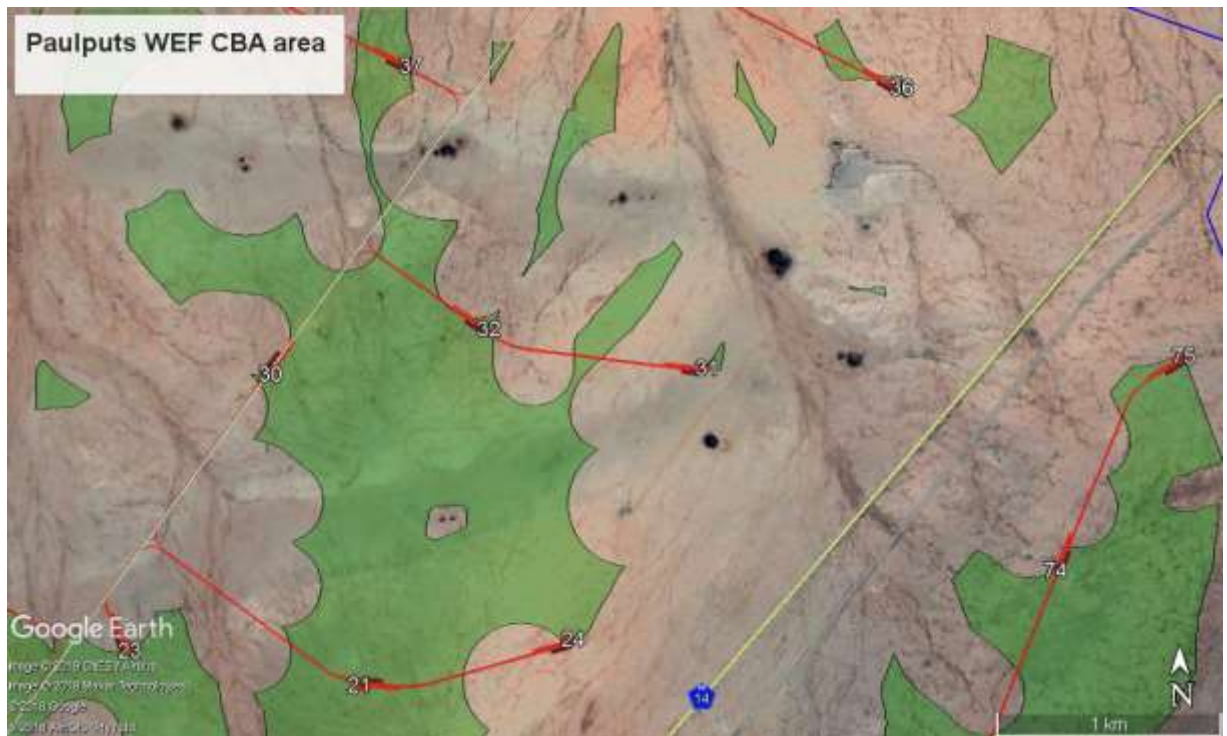
The layout plan for the position of wind turbines have already considered the location of drainage lines, the volcanic “koppies” and the mountainous ridge to the southwest (buffered), and has been adjusted accordingly. The developer and EAP indicated that due to the homogenous nature of the landscape in the project area there is a fair amount of flexibility possible to avoid any environmental sensitivities. The developer should therefore be able to avoid *A. dichotomum* trees. The greater density of *Boscia* plants are however of more concern and the degree to which these individuals can be avoided by the turbine footprints as well as the infrastructure connection network. It is recommended that The Department of Agriculture also arrange for a site visit to the property to avail themselves of potential impact and permitting issues.

Based on the cursory inspection of the area it is difficult to justify the presence of the CBA1 polygon within the project area, as there are no major environmental sensitivities present except for the low density presence of some protected plants species (which also occur in

the surrounding landscape). In fact, the CBA 2 designation for the surrounding hills outside of the project area are arguably of higher sensitivity. The presence of species of conservation concern is a valuable variable used in the CBA designation methodology, but this case shows that it could be interpreted on a case specific basis, in terms of species conservation status (Vu), the presence of the species and habitats over the larger landscape. In my opinion the proposed project would not require a Biodiversity Offset.



**Figure 1** Layout of the proposed Paulputs WEF in the context of environmental sensitivities: CBA areas and buffered habitats / sensitivities (the grey-white polygons indicate assessed areas suitable for turbines).



**Figure 2** Close-up view of the CBA 1 polygon in the project area showing suitable areas for turbines (green) and against the buffered environmental sensitivities such as drainage lines and volcanic “koppies”.

The proposed development could significantly affect the following protected plant species: *Aloidendron dichotomum* (*Aloe dichotoma*), *Hoodia gordonii*, *Boscia albitrunca*, *Boscia foetida*. Permits are needed for any damage/removal/ movement/transport of specially protected ((regulation 49(1) (a) and (d)), and protected species ((regulation 50 (1) (a) and (d)) in terms of the Northern Cape Nature Conservation Act. Permits are also needed for instances where indigenous plant species are impacted up to 100m from middle of the roads and rivers ((regulation 51 (1)) or for large scale clearing ((regulation 51 (2)). *Hoodia gordonii* is protected under NEMBA TOPS legislation and an integrated permit will be required. Since there is a moratorium in force on the removal of *Aloidendron dichotomum* plants from the wild (Provincial Gazette Extraordinary, 1 April 2005; Gazette 968, No. 3), it is proposed that the GPS locations of *Aloidendron dichotomum* trees are recorded and the proposed footprint of the PV facilities be revised to avoid any of these trees. Where avoidance is not possible, the ecology specialist must recommend suitable mitigation measures to be implemented (such as transplanting) for the development cycle of the proposed PV project and the relevant authorities must be consulted to consider exemptions i.t.o EA and permits for the removal/transplant. Only if the entire hierarchy of mitigation options have been exhausted, may the

relevant authorities consider exemptions i.t.o EA and permits for the removal or transplant. A pre-construction walk-through would be required to inform permit application.

### **3. Avifauna**

The area proposed for the Paulputs WEF Facility is home to the Karoo Korhaan (*Eupoditis vigorsii*) was the only regionally Red Listed species observed. However the report does not explicitly indicate which bird species are most vulnerable to the development. This is of particular concern owing to the conservation status of birdlife in the surrounding area.

It is apparent that, irrespective of which alternative is chosen, there will be bird vulnerability to powerlines. Over the past few years, mitigation measures has been implemented by ESKOM, which reduce the impacts considerably, but do not eliminate the problem.

The recommendations made in the Bird Impact Assessment report is supported. The importance of a “walk through” by a qualified specialist once the line and towers have been pegged is vital to determine site specific issues in areas identified as sensitive.

### **4. Layout and road networks**

Roads and power lines routes still require finalisation. In addition more information is required on the type of upgrades and widening of roads that will be required to accommodate large trucks and heavy machinery. Even if the power line will be authorised as part of a separate EIA the proposed footprint must still be clarified as part of this application.

### **Additional comments**

- It is noted that the exact thresholds related to the applied listed activities are not specified in the draft report. For instance, the facility will require the construction of new internal access roads. Please ensure that all the required thresholds have been correctly specified in the final Environmental Impact Report (EIR).
- All specialist assessments must include a cumulative environmental impact statement. Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be indicated and quantified, i.e. hectares of cumulative transformed land.
- Identified cumulative impacts associated with the proposed development must be rated with the significance rating methodology approved.
- The cumulative impacts significance rating must informed the need and desirability of the proposed development.

- Recommendations provided by the specialist reports must be considered and used to inform the preferred layout alternative. Specifically, the turbines and power lines must be removed from all sensitive areas as recommended by the specialist.
- The Environmental Management Programme (EMPr) must include a provision to audit the effectiveness of the mitigation measures and recommendations for amongst others: waste management; alien and open space management ; re-vegetation and rehabilitation.
- Landowners are required by law (Conservation of Agricultural Resources Act, 1983 (Act 43 of 1983) as amended to manage certain invasive alien plants on their property. An alien invasive plant management programme must be established on the site for initial and follow up clearing.
- A botanist knowledgeable with the vegetation of the area and the rehabilitation of this type of vegetation should be appointed to oversee the search and rescue process.
- The potential direct impacts on biodiversity are potentially significant, but these can be reduced to a medium to low negative significance if the recommended mitigation measures are included in the development proposal, the conditions of approval and are implemented.
- Ideally the stormwater management plan should be compiled with input from the freshwater specialist, prior to decision being taken as this should help avoid any unnecessary conflict.
- All sensitive habitats should be demarcated and avoided.
- If the development is allowed to continue, more stringent mitigation measures in terms of avifauna impact is proposed e.g. 1 year bird monitoring prior to construction plus during the construction phase as well as during the first 2 years of operation. The resulting monitoring data should influence construction activities and infrastructure location.
- Buffer areas for sensitive areas should be considered in the sensitivity assessment, especially drainage lines, quartz outcrops and rocky hills which are classified as “high” ecological sensitivity.
- All mitigation measures as per specialist reports are strongly supported.

### **Conclusion**

Implementing mitigation measures that are feasible are strongly supported. Assessing the cumulative impacts of Solar and Wind Farms in the Northern Cape is important for future decision making. Search and rescue should be undertaken for fauna and flora protected under the Northern Cape Nature Conservation Act (Act No. 9 of 2009), found in low numbers and that have a high change of surviving transplantation. Search and rescue activities will require

a permit from the DENC. The CBA and ESA in the study area are important corridors as they play vital roles for ecological linkages among terrestrial ecosystems. We urge more than one ECO is made available to ensure an appropriate level of expertise and presence across the landscape. Should the development be approved it will remain important to conduct both pre and post construction authorisation monitoring. Urgent thought and action is required at a national level as to how to manage, collate and interrogate monitoring data that will be generated from similar developments throughout the country. Although the environmental sensitivities over the project area is adjudged to be low for this development, due consideration should be given for cumulative impacts of development, transformation and artificial barriers from infrastructure over the broader landscape. The developer noted the presence of another wind monitoring mast to the south of the project area that has been erected by a different developer, with the aim of investigating renewable energy development. Both the current (Xina and Kaxu Solar facility) developments nearby, planned development (Paulputs wind) and future possible facilities will have an impact on the landscape connectivity over the larger area. This is especially of concern for species that migrate or hunt over the Bushmanland plains and scattered ridges such as large terrestrial bird species (e.g. Ludwig's Bustard, Kori Bustard, Secretary Bird, etc.) and raptors (Verreaux's Eagle, Martial Eagle, Peregrine Falcons, etc.). An area of concern also is the visual impact of Renewable Energy developments over the vast, visually open, wilderness-like areas of Bushmanland. This particular facility is located on both sides of the N14 national road and will undoubtedly be visible from many kilometres away. Will these have eco-tourism impacts on the region?

We hope you find these recommendations in order

Your sincerely

.....  
MS. N VAN OLMEN  
PROGRAMME MANAGER: POLICY, PLANNING AND COORDINATION  
DATE: