



**Appendix 7**  
**Public Participation**





**Appendix 7A**  
**Proof of Site Notices**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE THREE (3) SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES (DEA REFERENCE NUMBERS TO BE ANNOUNCED)**

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) (as amended) and the Environmental Impact Assessment (EIA) Regulations, 2014 (as amended), under Government Notices R982, R983, R984 and R985 (as amended), notice is hereby given that EDF Renewables (Pty) Ltd (hereafter referred to as "EDF") have appointed SiVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required EIA, Basic Assessment (BA) and Public Participation processes for the below-mentioned proposed developments.

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

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The generation capacity of each solar PV facility and the layout of the PV arrays will be dependent on the outcome of the specialist studies conducted during the EIA process.

**PROJECT LOCATION**

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

**Hlengiwe Ntuli or Stephan Jacobs**

**SiVEST Environmental** Tel: (011) 798 0600

P O Box 2921

RIVONIA

2128

Fax: (011) 803 7272

E-mail: [stephanj@sivest.co.a](mailto:stephanj@sivest.co.a) / [hlengiwen@sivest.co.a](mailto:hlengiwen@sivest.co.a) /

[sivestppp@sivest.co.a](mailto:sivestppp@sivest.co.a)

Website: [www.sivest.co.a](http://www.sivest.co.a)

**OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE DRIE (3) FOTOVOLTAÏESE (FV) SONKRAGANLEGTE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE-INFRASTRUKTUUR NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPPROVINSIE (DO-VERWYSINGSNOMMERS MOET NOG AANGEKONDIG WORD)**

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**PROJEKBESKRYWING**

EDF beoog die ontwikkeling van drie (3) aangrensende fotovoltaïese (FV) sonkragaanlegte en gepaardgaande infrastruktuur naby Noupoot en Middelburg in die Noord- en Oos-Kaapprovinsie. Die beoogde FV-sonkragaanlegte sal die Mooi Plaats FV, Wonderheuvel FV- en Paarde Valley FV-sonkragaanleg heet. Voorts beoog EDF ook die oprigting van drie (3) 132 kV oorhoofse kraglyne en gepaardgaande rooster-infrastruktuur (hierna die "roosterkonneksies" genoem) ten einde die krag wat by elk van die FV-sonkragaanlegte opgewek word, by die nasionale kragnet in te voer.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente (IPP's) in Suid-Afrika te voldoen, sal elk van die FV-sonkragaanlegte 'n aparte Omgewingsmagtiging (OM) moet bekom. Elke roosterkonneksie sal ook 'n aparte OM moet bekom.

Met inagneming van die bogenoemde, sal drie (3) OIE's (een (1) vir elke beoogde FV-sonkragaanleg en drie (3) BE's (een (1) vir elke gepaardgaande roosterkonneksie) onderneem word. Hoewel elke FV-sonkragaanleg en die gepaardgaande roosterkonneksie apart geëvalueer sal word, sal 'n enkele openbare deelnameproses vir al ses (6) die beoogde aansoeke onderneem word. Die potensiele omgewingsimpakte wat met al ses (6) beoogde ontwikkelings verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Die opwekkingsvermoë van elk van die FV-sonkragaanlegte en die uitleg van die FV-reeks sal afhang van die uitkoms van die spesialisstudies wat tydens die OIE-proses onderneem word.

**PROJEKLIIGING**

Die drie (3) beoogde FV-sonkragaanleg- en roosterinfrastruktuurprojekte is sowat 18 km suidwes van Noupoot en sowat 21 km noordwes van Middelburg in onderskeidelik die Noord- en Oos-Kaapprovinsie geleë. Hoewel beide die Mooi Plaats en Wonderheuvel FV-sonkragaanlegte in die Umsobomvu Plaaslike Munisipaliteit in die Pixley ka Seme Distriksmunisipaliteit van die Noord-Kaapprovinsie geleë is, is die Paarde Valley FV-sonkragaanleg in die Inxuba Yethemba Plaaslike Munisipaliteit in die Chris Hani Distriksmunisipaliteit van die Oos-Kaapprovinsie geleë.

**Om as 'n Belangstellende en/of Geaffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom**, moet u asseblief u naam, kontakbesonderhede en die belang wat u by die aansoeke het by SiVEST by die onderstaande kontakbesonderhede indien:

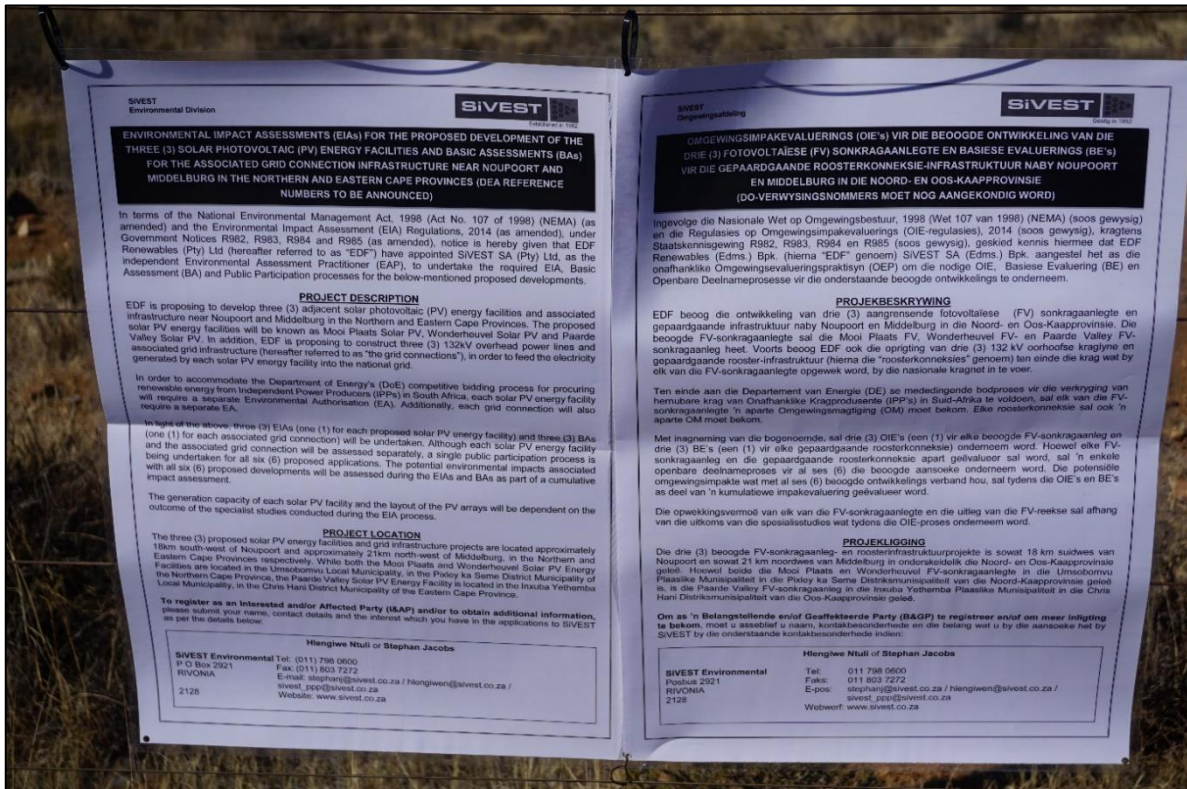
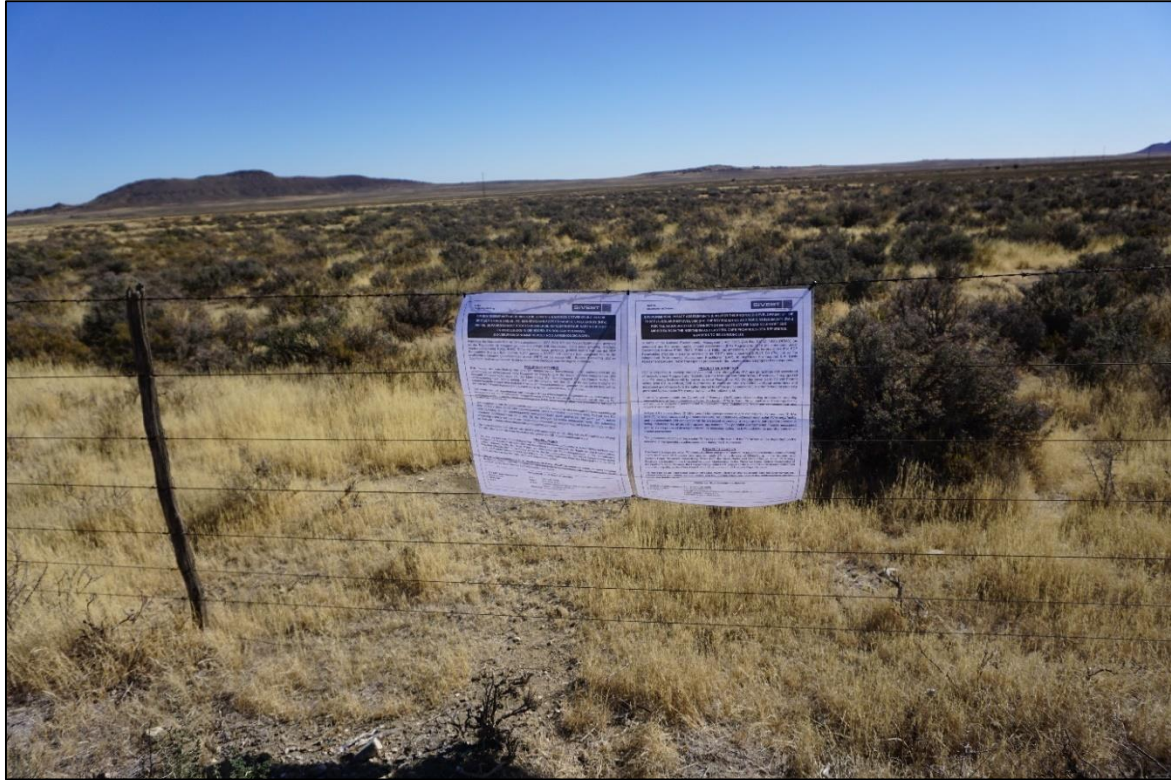
**Hlengiwe Ntuli of Stephan Jacobs**

**SiVEST Environmental**  
Posbus 2921  
RIVONIA  
2128

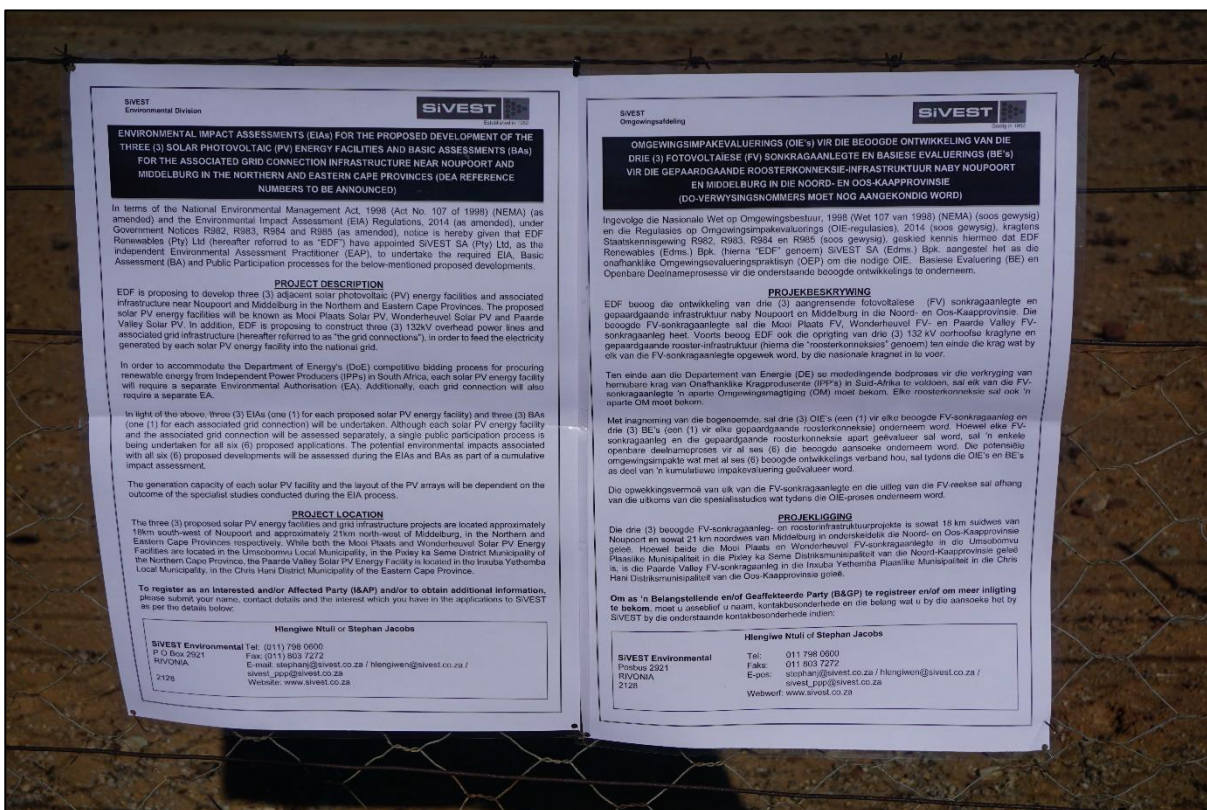
Tel: 011 798 0600  
Faks: 011 803 7272  
E-pos: [stephanj@sivest.co.a](mailto:stephanj@sivest.co.a) / [hlengiwen@sivest.co.a](mailto:hlengiwen@sivest.co.a) /  
[sivestppp@sivest.co.a](mailto:sivestppp@sivest.co.a)  
Webwerf: [www.sivest.co.a](http://www.sivest.co.a)

**SITE NOTICES (ENGLISH AND AFRIKAANS) ERECTED ON BOUNDARY OF TWO (2) OF THE SITES PROPOSED FOR SUBSTATIONS – BOUNDARY OF REMAINDER OF THE FARM MOOI PLAATS NO. 121 AND PORTION 3 OF THE FARM WONDER HEUVEL NO. 140**

**(COORDINATES: S31°19'56.27"S; E24°41'45.51")**



**SITE NOTICES (ENGLISH AND AFRIKAANS) ERECTED ON BOUNDARY OF ONE (1) OF THE SITES WHICH THE POWER LINE CORRIDOR TRAVERSES - PORTION 2 OF THE FARM PAARDE VALLEY NO. 62 (COORDINATES: S31°25'42.85"; E24°39'4.51")**



**SIVEST**  
Environmental Division

**ENVIRONMENTAL IMPACT ASSESSMENTS (EIA) FOR THE PROPOSED DEVELOPMENT OF THE THREE (3) SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BA) FOR THE ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES (DEA REFERENCE NUMBERS TO BE ANNOUNCED)**

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**PROJECT LOCATION**

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Website: www.sivest.co.za

**SIVEST**  
Ongewingsafdeling

**OMGEWINGSIMPAAKVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE DRIE (3) FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE-INFRASTRUKTUUR NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPPROVINSIE (DC-VERWYSINGSNUMMERS MOET NOG AANGEKONDIG WORD)**

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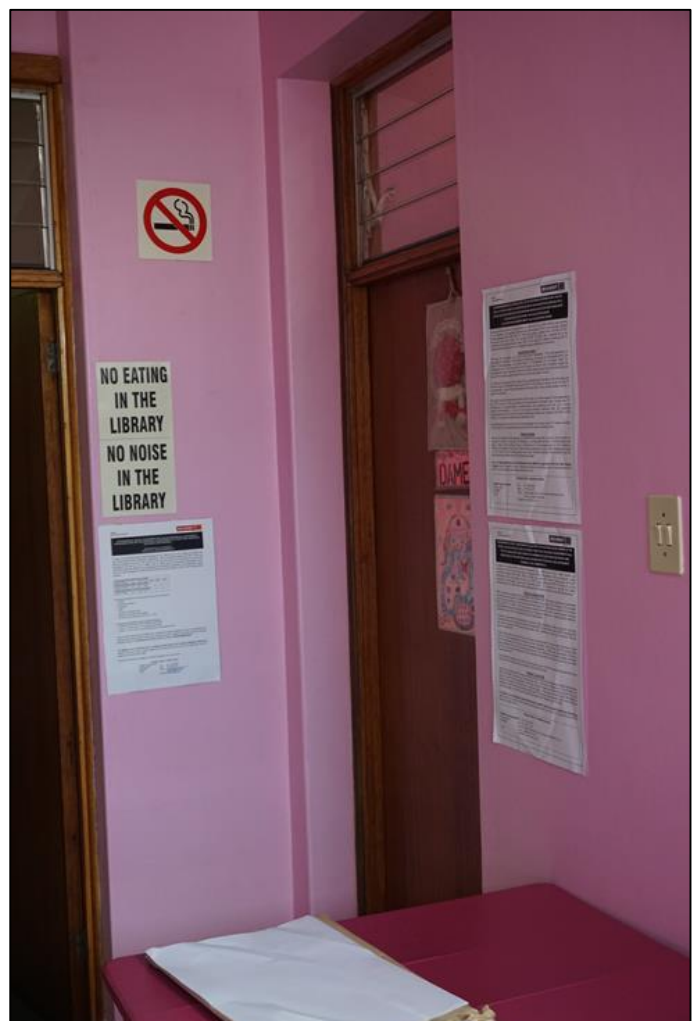
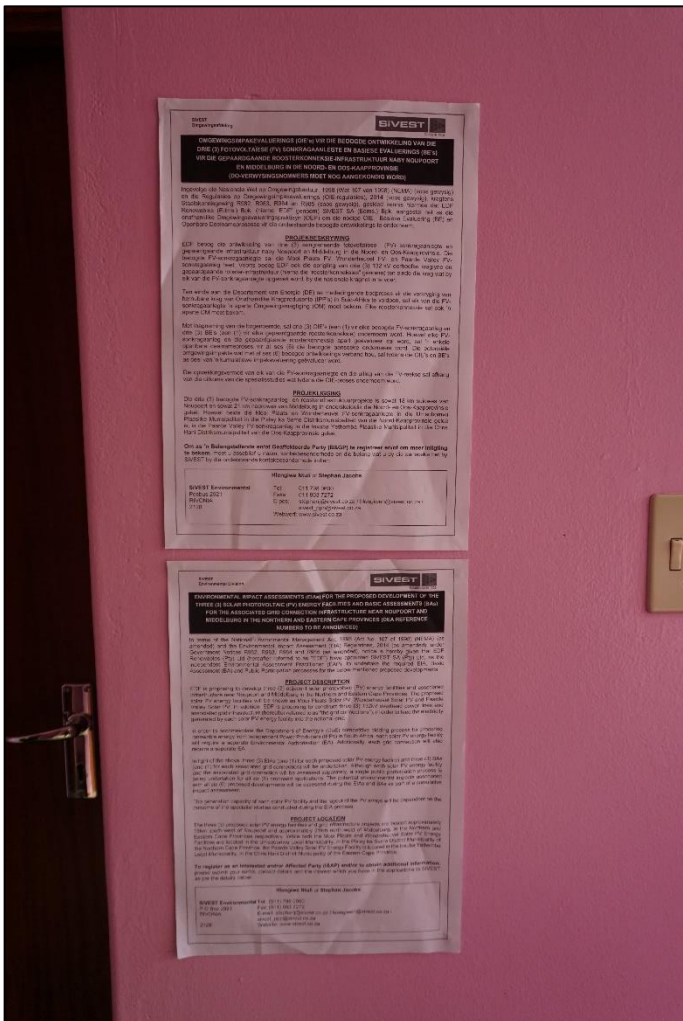
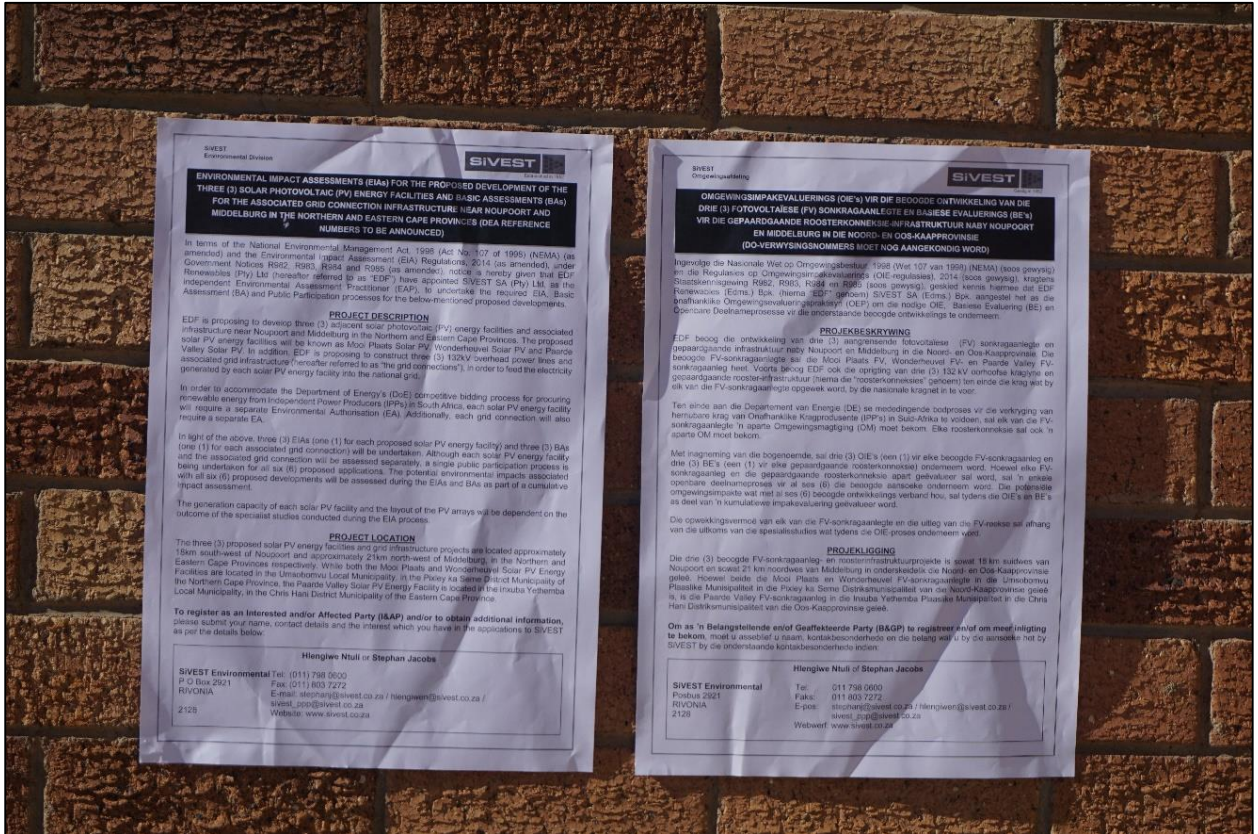
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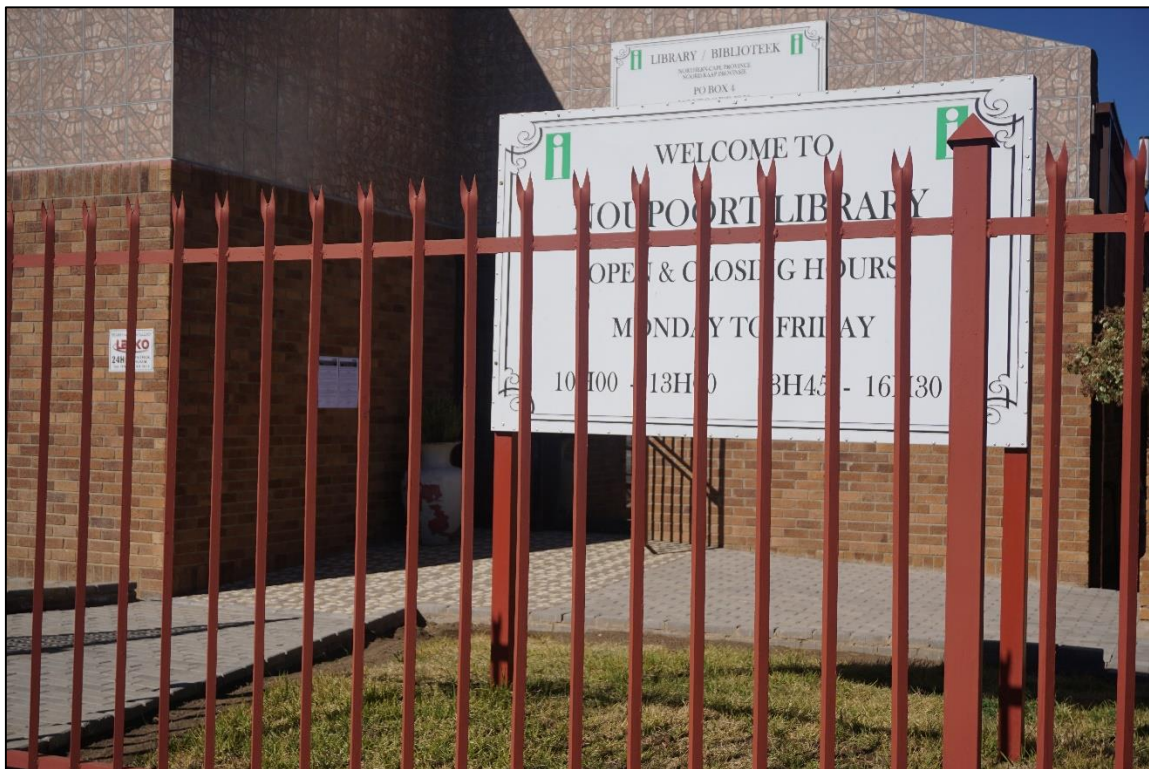
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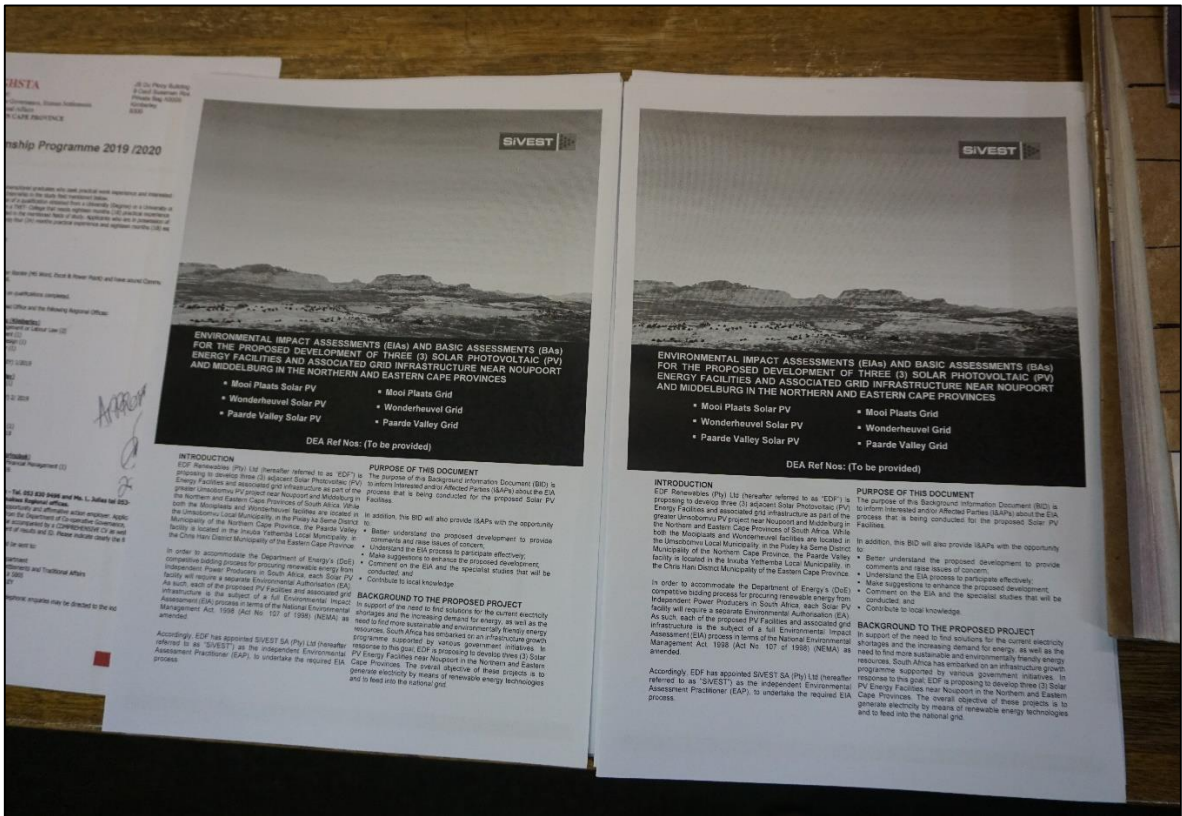
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RIVONDA E-mail: sivet@sivest.co.za / hlangwani@sivest.co.za  
2128 E-mail: sivet\_ppp@sivest.co.za  
Website: www.sivest.co.za



# SITE NOTICES AND BIDS PLACED AT NOUPOORT PUBLIC LIBRARY







## SITE NOTICES AND BIDS PLACED AT MIDDELBURG PUBLIC LIBRARY

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**SIVEST**  
Environmental Division

**SIVEST**  
Established in 1952

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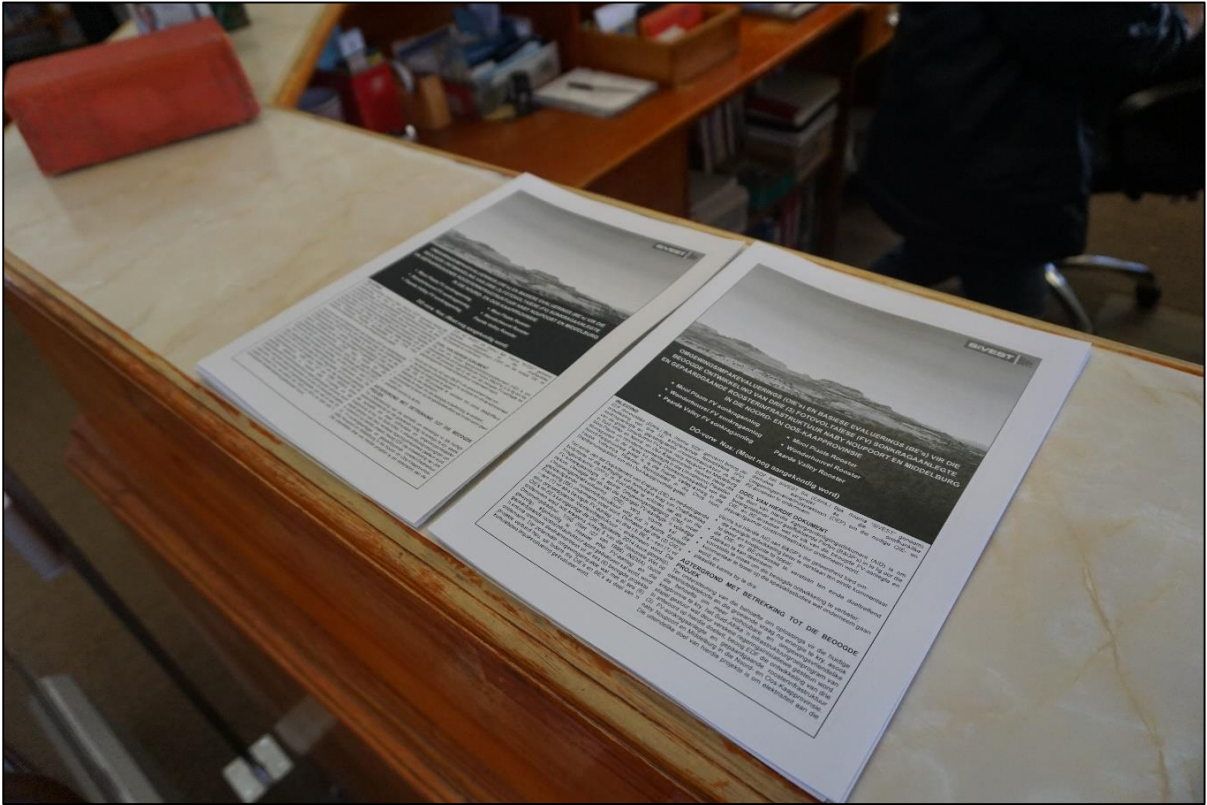
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|                                          |                                                                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| SIVEST Environmental Tel: (011) 798 0600 | Fax: (011) 803 7272                                                                                                                           |
| P O Box 2921                             | E-mail: <a href="mailto:stephanj@sivest.co.za">stephanj@sivest.co.za</a> / <a href="mailto:hlengiwen@sivest.co.za">hlengiwen@sivest.co.za</a> |
| RIVONIA                                  | <a href="mailto:sivest_ppp@sivest.co.za">sivest_ppp@sivest.co.za</a>                                                                          |
| 2128                                     | Website: <a href="http://www.sivest.co.za">www.sivest.co.za</a>                                                                               |







**Appendix 7B**  
**Written Notices**





## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Wednesday, 20 November 2019 4:18 PM  
**To:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Cc:** 'Vivian van der Merwe'; 'Heleen van den Heever'; 'Lindo Van der Merwe'; 'Thulani Mthombeni'; 'Thoko Buthelezi'; 'Stanley Tshitwamulomoni'; 'Sonwabile Nkondeshe'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Fundiswa Qumba'; 'Pieter Swart'; 'Philip van Lingen'; 'Abbott Erasmus'; 'Lizell Stroh'; 'Simphiwe Masilela'; 'Natasha Higgitt'; 'Mmatlala Rabothata'; 'Amos Mpela'; 'Serame Motlhake'; 'Morgan Griffiths'; 'Lerato Mokhoantle'; 'R.E. Pieterse'; 'Mashudu Marubini'; 'Lungi Mondela'; 'Lourens Leeuwner'; 'Johan Koegelenberg'; 'Justice Sithole'; 'Johanna Morobane'; 'Jacoline Mans'; 'Nomandla Bloem'; 'Ihlaam Peters'; 'Ian Little'; 'Henning Myburg'; 'John Geeringh'; 'Sam Fiff'; 'Faunty Gillmer'; 'Ezekiel Monyamane'; 'Samantha Ralston-Paton'; 'Denver Van Heeden'; 'Dominic Henry'; 'Colin Douglas Kingwill'; 'Brian Fisher'; 'A Topham'; 'Adriaan Tiplady'; 'Andre Nesor'; 'Andries Keun'; 'Jonathan Booth'; 'Ilze Nel'; 'Nicole Abrahams'; 'Amanda Bester'; 'Thulani Mthombeni'; 'qumbafundiswa@gmail.com'; 'Ipeleng.Wesi@dmr.gov.za'; 'n.paardevlei@gmail.com'; 'Sitholj@telkom.co.za'; 'Sitholej@telkom.co.za'; 'Ihlaam Peters'; 'Mpho Sebole'; 'Patrick Lenyibi'; 'andre@neserattorneys.co.za'; 'jonathan.booth@birdlife.org.za'  
**Subject:** Mooi Plaats and Wonderheuvel Solar PV Energy Facilities near Noupoort: Focus Group Meeting  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Interested and Affected Party (I&AP) / Stakeholder,

### ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE EASTERN CAPE PROVINCE

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)
- WONDERHEUVEL SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL GRID – (DEA Ref No.: To be Allocated)

#### INVITATION TO FOCUS GROUP MEETING (FGM)

We would like to take this opportunity to invite you to attend a Focus Group Meeting (FGM) that will be held for the above-mentioned proposed projects on:

| DATE                        | TIME                     | PLACE                                                                            |
|-----------------------------|--------------------------|----------------------------------------------------------------------------------|
| Tuesday 26 November<br>2019 | <b>Start time:</b> 14H00 | Noupoort Combined School Hall -<br>Pretorius Street<br>Noupoort<br>Northern Cape |

If possible, we kindly request that you confirm whether you will be attending the meeting on or before **Monday 25 November 2019**, as follows:

**Hlengiwe Ntuli**  
Phone: (011) 798 0600  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
Fax: (011) 803 7272

The purpose of the meeting is to provide a background to the proposed projects and provide you with an opportunity to engage with the project team and ask questions. The purpose of the FGM is outlined in the attached draft agenda.



15324 MP\_WH  
FGM Agenda\_Ve...

Your input into the EIA and BA processes is highly valued as your local knowledge will contribute to ensuring that all environmental aspects have been considered and addressed.

We encourage you to attend and participate in the meeting and thank you in anticipation for your active and meaningful contribution to the EIA and BA processes.

Yours sincerely,

---

Beste Belangstellende en/of Geaffekteerde Party / Belanghebbende,

**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPROVINSIE**

- MOOI PLAATS FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)
- WONDERHEUVEL FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)

**UITNODIGING NA VERGADERING**

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

| DATUM                       | TYD                    | PLEK                                                                            |
|-----------------------------|------------------------|---------------------------------------------------------------------------------|
| Dinsdag 26 November<br>2019 | <b>Begin om: 14H00</b> | Noupoort Gekombineerde Skoolsaal -<br>Pretoriusstraat<br>Noupoort<br>Noord-Kaap |

Indien moontlik, versoek ons u om te bevestig of u die vergadering sal bywoon op of voor **Maandag 26 November 2019**, soos volg:

**Hlengiwe Ntuli**  
Foon: (011) 798 0600  
E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
Faks: (011) 803 7272

Die doel van die vergadering is om 'n agtergrond vir die voorgestelde projekte te gee en om u die geleentheid te gee om met die projekspan betrokke te raak en vrae te stel. Die doel van die vergadering is vervat in die ingeslote konsep agenda.



15324 MP\_WH  
FGM Agenda\_Ve...

U insette in die OIS- en BE-prosesse word hoog op prys gestel aangesien u plaaslike kennis van die omgewing sal verseker dat alle omgewingsaspekte in ag geneem is en aangespreek is.

Ons moedig u bywoning en deelname by die vergadering aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die OIS- en BE-prosesse.

Vriendelike groete,

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

Environmental Consultant / Visual Specialist

**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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

## Stephan Jacobs

---

**From:** sivist\_PPP  
**Sent:** Wednesday, 20 November 2019 4:21 PM  
**Cc:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Subject:** RE: Mooi Plaats and Wonderheuvel Solar PV Energy Facilities near Noupoort: Public Meeting

**Importance:** High

**Follow Up Flag:** Follow up

**Flag Status:** Flagged

Please find attached agenda's in Eng and Afrikaans for your attention.



15324 MP\_WH 15324 MP\_WH  
Public Meeting ... Public Meeting ...

---

**From:** sivist\_PPP  
**Sent:** 20 November 2019 04:01 PM  
**Cc:** Stephan Jacobs <StephanJ@sivist.co.za>; Liandra Scott-Shaw <LiandraS@sivist.co.za>; 'Sheldon.vandrey@edf-re.co.za' <Sheldon.vandrey@edf-re.co.za>  
**Subject:** Mooi Plaats and Wonderheuvel Solar PV Energy Facilities near Noupoort: Public Meeting

Dear Interested and Affected Party (I&AP) / Stakeholder,

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE EASTERN CAPE PROVINCE**

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)
- WONDERHEUVEL SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL GRID – (DEA Ref No.: To be Allocated)

**INVITATION TO PUBLIC MEETING**

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

| DATE                        | TIME                     | PLACE                                                                            |
|-----------------------------|--------------------------|----------------------------------------------------------------------------------|
| Tuesday 26 November<br>2019 | <b>Start time:</b> 16H30 | Noupoort Combined School Hall -<br>Pretorius Street<br>Noupoort<br>Northern Cape |

If possible, we kindly request that you confirm whether you will be attending the meeting on or before **Monday 25 November 2019**, as follows:

**Hlengiwe Ntuli**  
Phone: (011) 798 0600  
E-mail: [hlengiwen@sivist.co.za](mailto:hlengiwen@sivist.co.za)  
Fax: (011) 803 7272

The purpose of the meeting is to provide a background to the proposed projects and provide you with an opportunity to engage with the project team and ask questions. The purpose of the Public Meeting is outlined in the attached draft agenda.

Your input into the EIA and BA processes is highly valued as your local knowledge will contribute to ensuring that all environmental aspects have been considered and addressed.

We encourage you to attend and participate in the meeting and thank you in anticipation for your active and meaningful contribution to the EIA and BA processes.

Yours sincerely,

---

Beste Belangstellende en/of Geaffekteerde Party / Belanghebbende,

**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPROVINSIE**

- MOOI PLAATS FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)
- WONDERHEUVEL FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)

**UITNODIGING NA PUBLIEKE VERGADERING**

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

| DATUM                       | TYD                    | PLEK                                                                            |
|-----------------------------|------------------------|---------------------------------------------------------------------------------|
| Dinsdag 26 November<br>2019 | <b>Begin om: 16H30</b> | Noupoort Gekombineerde Skoolsaal -<br>Pretoriusstraat<br>Noupoort<br>Noord-Kaap |

Indien moontlik, versoek ons u om te bevestig of u die vergadering sal bywoon op of voor **Maandag 26 November 2019**, soos volg:

**Hlengiwe Ntuli**

Foon: (011) 798 0600

E-pos: [hlengiw@siVEST.co.za](mailto:hlengiw@siVEST.co.za)

Faks: (011) 803 7272

Die doel van die vergadering is om 'n agtergrond vir die voorgestelde projekte te gee en om u die geleentheid te gee om met die projekspan betrokke te raak en vrae te stel. Die doel van die Publieke Vergadering is vervat in die ingeslote konsep agenda.

U insette in die OIS- en BE-prosesse word hoog op prys gestel aangesien u plaaslike kennis van die omgewing sal verseker dat alle omgewingsaspekte in ag geneem is en aangespreek is.

Ons moedig u bywoning en deelname by die Publieke Vergadering aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die OIS- en BE-prosesse.

Vriendelike groete,

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

Environmental Consultant / Visual Specialist

**SiVEST Environmental Division**

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

SiVEST is a Level 3 BBBEE Contributor



**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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

## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Wednesday, 20 November 2019 4:01 PM  
**Cc:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Subject:** Mooi Plaats and Wonderheuvel Solar PV Energy Facilities near Noupoort: Public Meeting

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Interested and Affected Party (I&AP) / Stakeholder,

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE EASTERN CAPE PROVINCE**

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
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**Hlengiwe Ntuli**  
Phone: (011) 798 0600  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
Fax: (011) 803 7272

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We encourage you to attend and participate in the meeting and thank you in anticipation for your active and meaningful contribution to the EIA and BA processes.

Yours sincerely,

---

Beste Belangstellende en/of Geaffekteerde Party / Belanghebbende,

**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPPROVINSIE**

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| DATUM                       | TYD                    | PLEK                                                                            |
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**Hlengiwe Ntuli**

Foon: (011) 798 0600

E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)

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Vriendelike groete,

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

Environmental Consultant / Visual Specialist

**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

**Durban | Johannesburg | Pretoria | Pietermaritzburg | Richards Bay | Port Louis (Mauritius)**



| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                                                                                                        | Group Name     | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|
| 27720319588  | Vodacom       | DELIVRD | 1/28/2020 4:15:00 PM | 1/28/2020 4:14:54 PM | 1/28/2020 4:14:58 PM | Begin van Basiese Evalueringsprosesse (BE-prosesse) vir beoogde ontwikkeling van Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsies. Agtergrond Inligtingsdokument (AID) beskikbaar. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391 sodat ons u die AID kan stuur. | Umsobomvu Grid | BID Notification  |
| 27790151010  | Vodacom       | EXPIRED | 1/28/2020 4:15:00 PM | 1/28/2020 4:14:54 PM | 1/28/2020 9:02:30 PM | Begin van Basiese Evalueringsprosesse (BE-prosesse) vir beoogde ontwikkeling van Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsies. Agtergrond Inligtingsdokument (AID) beskikbaar. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391 sodat ons u die AID kan stuur. | Umsobomvu Grid | BID Notification  |
| 27793938920  | Vodacom       | DELIVRD | 1/28/2020 4:15:00 PM | 1/28/2020 4:14:54 PM | 1/28/2020 4:15:01 PM | Begin van Basiese Evalueringsprosesse (BE-prosesse) vir beoogde ontwikkeling van Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsies. Agtergrond Inligtingsdokument (AID) beskikbaar. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391 sodat ons u die AID kan stuur. | Umsobomvu Grid | BID Notification  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/28/2020 4:15:00 PM | 1/28/2020 4:14:54 PM | 1/28/2020 4:14:56 PM | Begin van Basiese Evalueringsprosesse (BE-prosesse) vir beoogde ontwikkeling van Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsies. Agtergrond Inligtingsdokument (AID) beskikbaar. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391 sodat ons u die AID kan stuur. | Umsobomvu Grid | BID Notification  |
| 27827720410  | Vodacom       | DELIVRD | 1/28/2020 4:15:00 PM | 1/28/2020 4:14:54 PM | 1/28/2020 4:14:58 PM | Begin van Basiese Evalueringsprosesse (BE-prosesse) vir beoogde ontwikkeling van Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsies. Agtergrond Inligtingsdokument (AID) beskikbaar. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391 sodat ons u die AID kan stuur. | Umsobomvu Grid | BID Notification  |

## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Tuesday, 28 January 2020 3:44 PM  
**Cc:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Subject:** Umsobomvu Power Lines and Substations near Noupoort and Middelburg – BID Notification

Dear Interested and/or Affected Party (I&AP) / Stakeholder,

Please find attached for your attention.



15324

Umsobomvu Bl...



UMSOBOMVU

SOLAR PV\_GRID...

Please do not hesitate to contact us should you have any queries in this regard.”

\*\*\*\*\*  
\*\*\*\*\*

Geagte Belangstellende en/of Geaffekteerde Party / Belanghebbende,

Vind asseblief aangeheg vir u aandag.



15324

Umsobomvu Bl...



UMSOBOMVU

SOLAR PV\_GRID...

Moet asseblief nie huiwer om ons te kontak indien u enige navrae in hierdie verband het nie.

Kind Regards,

**Stephan Jacobs** (*B.Sc. (Hons) Environmental Management and Analysis*)  
Environmental Consultant / Visual Specialist  
**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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

| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                                                                                                                                                         | Group Name     | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|
| 27720319588  | Vodacom       | DELIVRD | 1/28/2020 4:14:00 PM | 1/28/2020 4:14:09 PM | 1/28/2020 4:14:14 PM | BA Assessments (BAs) for proposed development of Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces commencing. Background Information Document (BID) available. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391 so that we can forward you the BID. | Umsobomvu Grid | BID Notification  |
| 27790151010  | Vodacom       | EXPIRED | 1/28/2020 4:14:00 PM | 1/28/2020 4:14:09 PM | 1/28/2020 9:02:14 PM | BA Assessments (BAs) for proposed development of Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces commencing. Background Information Document (BID) available. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391 so that we can forward you the BID. | Umsobomvu Grid | BID Notification  |
| 27793938920  | Vodacom       | DELIVRD | 1/28/2020 4:14:00 PM | 1/28/2020 4:14:09 PM | 1/28/2020 4:14:17 PM | BA Assessments (BAs) for proposed development of Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces commencing. Background Information Document (BID) available. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391 so that we can forward you the BID. | Umsobomvu Grid | BID Notification  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/28/2020 4:14:00 PM | 1/28/2020 4:14:09 PM | 1/28/2020 4:14:12 PM | BA Assessments (BAs) for proposed development of Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces commencing. Background Information Document (BID) available. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391 so that we can forward you the BID. | Umsobomvu Grid | BID Notification  |
| 27827720410  | Vodacom       | DELIVRD | 1/28/2020 4:14:00 PM | 1/28/2020 4:14:09 PM | 1/28/2020 4:14:13 PM | BA Assessments (BAs) for proposed development of Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces commencing. Background Information Document (BID) available. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391 so that we can forward you the BID. | Umsobomvu Grid | BID Notification  |

Your reference:

Our reference: 15324 – Umsobomvu Grid

Date: 28 anuary 2020

Dear Interested and/or Affected Party (I&AP) / Stakeholder,

**BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE THREE (3) GRID INFRASTRUCTURE DEVELOPMENTS (SUBSTATIONS AND POWER LINES) NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES**

- Mooi Plaats Grid – (DEA Ref No: To be announced)
- Wonderheuvel Grid – (DEA Ref No: To be announced)
- Paarde Valley Grid – (DEA Ref No: To be announced)

In terms of the Environmental Impact Assessment (EIA) Regulations, which were published on 4 December 2014 and amended on 7 April 2017, and the National Environmental Management Act (Act No. 107 of 1998) (NEMA), as amended, SiVEST SA (Pty) Ltd (hereafter referred to as SiVEST) has been appointed as the independent Environmental Assessment Practitioner (EAP) by Mooi Plaats Solar Power (Pty) Ltd, Wonderheuvel Solar Power (Pty) Ltd and Paarde Valley Solar Power (Pty) Ltd (hereafter referred to as Mooi Plaats / Wonderhuevel / Paarde Valley Solar Power) to conduct the Basic Assessment (BA) processes for the proposed development of the Mooi Plaats, Wonderheuvel and Paarde Valley 132kV power lines and substations (on-site and collector) near Noupoort and Middelburg in the Northern and Eastern Cape Provinces.

SiVEST would like to invite you, as a potential Interested and/or Affected Party (I&AP) / stakeholder, to become actively involved in the BA and Public Participation (PP) processes for the above-mentioned proposed projects. The aim of these processes are as follows:

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

Attached is the Background Information Document (BID), which contains information regarding the proposed projects as well as the BA and PP processes which are currently being undertaken.

We would like to thank you, in advance, for becoming part of the BA and PP processes. We look forward to receiving your valuable comments relating to the proposed projects.

Yours sincerely



Stephan Jacobs  
Environmental Consultant  
**SIVEST Environmental**

encl: 1 x Background Information Document (BID)

Your reference:

Our reference: 15324 – Umsobomvu Grid

Date: 28 anuarie 2020

Geagte Belangstellende en/of Geaffekteerde Party / Belanghebbende,

**BASIESE EVALUERINGS (BEs) VIR DIE BEOOGDE ONTWIKKELING VAN DIE DRIE (3) GEASSOSIEERDE NETWERKINFRASTRUKTUURONTWIKKELINGS (SUBSTASIES EN KRAGLYNE) NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPROVINSIES**

- **Mooi Plaats Substasies en Kraglyne – (DO-verw. No.: Moet nog aangekondig word)**
- **Wonderheuvel Substasies en Kraglyne – (DO-verw. No.: Moet nog aangekondig word)**
- **Paarde Valley Substasies en Kraglyne – (DO-verw. No.: Moet nog aangekondig word)**

Ingevolge die Regulasies op Omgewingsimpakevaluering (OIE-regulasies), wat op 4 Desember 2014 gepubliseer is en op 7 April 2017 gewysig is, en die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA), soos gewysig, is SiVEST SA (Edms.) Bpk. (hierna verwys as SiVEST) deur Mooi Plaats Solar Power (Edms.) Bpk., Wonderheuvel Solar Power (Edms.) Bpk. en Paarde Valley Solar Power (Edms.) Bpk. (hierna verwys as Mooi Plaats / Wonderheuvel / Paarde Valley Solar Power) aangestel as die onafhanklike Omgewingsevalueringpraktisyn (OEP) om die nodige Basiese Evaluering prosesse vir die beoogde ontwikkeling van die Mooi Plaats, Wonderheuvel en Paarde Valley 132kV kraglyne en substasies (op perseel en versamelaar) naby Noupoort en Middelburg in die Noord- en Oos-Kaap Provinsies te onderneem.

SiVEST wil u, as n potensiële Belangstellende en/of Geaffekteerde Party (B&GP's) / belanghebbende, graag uitnooi om aktief betrokke te raak by die BE- en Openbare Deelnameprosesse vir die bogenoemde voorgestelde projekte. Die doel van hierdie prosesse is soos volg:

- Om te verseker dat al die relevante omgewingsimpakte in ag geneem word;
- Om openbare insette te verseker; en
- Besluitnemers met voldoende inligting te versien om n ingeligte besluit oor die voorgestelde aktiwiteite te neem.

Aangeheg is die Agtergrond-inligtingsdokument (AID), wat inligting bevat rakende die voorgestelde projekte sowel as die BE- en Openbare Deelnameprosesse wat tans onderneem word.

Ons wil u by voorbat bedank dat u deel geword het van die BE- en Openbare Deelnameprosesse. Ons sien uit daarna om u waardevolle kommentaar rakende die voorgestelde projekte te ontvang.

Die uwe,



Stephan Jacobs  
Omgewingskonsultant  
**SIVEST Omgewingsafdeling**

encl: 1 x Agtergrond-inligtingsdokument (AID)



## OMGEWINGSIMPAKEVALUERINGS (OIE's) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DRIE (3) FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE EN GEPAAARDGAANDE SUBSTASIES EN KRAGLYNE NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPPROVINSIE

- Mooi Plaats FV sonkragaanleg 14/12/16/3/3/2/1134
- Wonderheuvel FV sonkragaanleg 14/12/16/3/3/2/1135
- Paarde Valley FV sonkragaanleg 14/12/16/3/3/2/1135
- Mooi Plaats substasies en Kraglyne Moet nog aangekondig word
- Wonderheuvel substasies en Kraglyne Moet nog aangekondig word
- Paarde Valley substasies en Kraglyne Moet nog aangekondig word

### INLEIDING

Mooi Plaats, Wonderheuvel and Paarde Valley Solar Power (Edms.) Bpk. (hierna "die applikant" genoem) beoog die ontwikkeling van drie (3) aangrensende fotovoltaïese (FV) sonkragaanlegte en gepaardgaande Substasies en Kraglyne as deel van die groter Umsobomvo FV-projek naby Noupoot en Middelburg in Suid-Afrika se Noord- en Oos-Kaapprovinsie. Hoewel beide die Mooi Plaats- en Wonderheuvelaanlegte in die Umsobomvu Plaaslike Munisipaliteit in die Pixley ka Seme Distriksmunisipaliteit van die Noord-Kaapprovinsie geleë is, is die Paarde Valley-aanleg in die Inxuba Yethemba Plaaslike Munisipaliteit in die Chris Hanu Distriksmunisipaliteit van die Oos-Kaapprovinsie geleë.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente (IPP's) in Suid-Afrika te voldoen, sal elk van die FV-sonkragaanlegte 'n aparte Omgewingsmagtiging (OM) moet bekom. Gevolglik sal elk van die beoogde FV-aanlegte 'n volledige Omgewingsimpevaluering

(OIE) verg. Voorts sal die gepaardgaande Substasies en Kraglyne verg dat 'n aparte Basiese Evaluering (BE) onderneem moet word. Derhalwe sal drie (3) OIE's – een (1) vir elke beoogde FV-aanleg – en drie (3) BE's – een (1) vir elke gepaardgaande Substasies en Kraglyne projek – onderneem word. Die OIE's en BE's sal ingevolge die OIE-regulasies, 2014 (soos gewysig), onderneem word wat kragtens Artikel 5 van die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) (soos gewysig), afgekondig is. Hoewel elke FV-aanleg en die gepaardgaande Substasies en Kraglyne projek apart geëvalueer sal word, word 'n enkele openbare deelnameproses vir al ses (6) beoogde projekte onderneem. Die potensiële omgewingsimpakte wat met al ses (6) projekte verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Die applikant het SiVEST SA (Edms.) Bpk. (hierna "SiVEST" genoem) derhalwe aangestel as die onafhanklike Omgewings-evalueringspraktisyn (OEP) om die nodige OIE- en BE-prosesse te onderneem.

### DOEL VAN HIERDIE DOKUMENT

Die doel van hierdie Agtergrondinligtingsdokument (AID) is om belangstellende en/of geaffekteerde Partye (B&GP's) in te lig oor die OIE- en BE-prosesse wat vir elk van die beoogde FV-aanlegte en gepaardgaande Substasies en Kraglyne projekte onderneem word.

Voorts sal hierdie AID aan B&GP's die geleentheid bied om:

- die beoogde ontwikkeling beter te verstaan ten einde kommentaar te lewer en knelpunte te opper;
- die OIE- en BE-prosesse te verstaan ten einde doeltreffend daaraan te kan deelneem;
- voorstelle te maak om die beoogde ontwikkeling te verbeter;
- kommentaar te lewer op die OIE- en BE-prosesse en spesialisstudies wat onderneem gaan word; en
- plaaslike kennis by te dra.

### AGTERGROND MET BETREKKING TOT DIE BEOOGDE PROJEK

Ter ondersteuning van die behoefte om oplossings vir die huidige elektrisiteitstekorte en die groeiende vraag na energie te kry, asook die behoefte om meer volhoubare en omgewingsvriendelike kragbronne te kry, het Suid-Afrika 'n infrastruktuur-groei-program van stapel gestuur wat deur verskeie regeringsinisiatiewe gesteun word. In antwoord op hierdie doelwit, beoog die applikant die ontwikkeling van drie (3) FV-sonkragaanlegte en gepaardgaande Substasies en Kraglyne naby Noupoot en Middelburg in die Noord- en Oos-Kaapprovinsie. Die uiteindelijke doel van hierdie projekte is om



elektrisiteit aan die hand van hernubare kragtegnologieë op te wek en dit by die nasionale kragnet in te voer.

### FV-SONKRAGKOMPONENTE

Die drie (3) FV-sonkragaanlegte sal die volgende komponente insluit:

- FV-velde (reekse) wat uit etlike FV-panele bestaan. Die aantal panele, die opwekkingsvermoë van elke aanleg en die uitleg van die reekse sal afhang van die uitkoms van die spesialisstudies wat tydens die OIE-proses onderneem word.
- FV-panele sal hetsy vaste kantelmontering of enkelas naspooormontering wees en die modules hetsy kristallynsilikon of dun filmtegnologie. Elke paneel sal sowat 2 m breed en tussen 1 m en 4 m hoog wees, afhangend van die soort montering.
- Interne paaie, tussen 4 m en 10 m breed, sal toegang tot die FV-reekse bied. Waar moontlik, sal bestaande terreinpaaië gebruik word, hoewel nuwe terreinpaaië gebou sal word, waar nodig.
- Elke FV-aanleg sal hoogstens twee (2) tydelike konstruksiestapelwerwe/monteringsgebiede van sowat 10 ha elk insluit.
- Bedryfs- en instandhoudingsgeboue sal vir elke FV-veld voorsien word, wat 'n oppervlak van sowat 2 500 m<sup>2</sup> (50 m x 50 m) sal beslaan.
- Mediumspanningskabels sal die FV-aanleg met die substasies verbind. Waar dit tegnies uitvoerbaar is, sal hierdie kabels ondergronds gelê word.

### SUBSTASIES EN KRAGLYNINFRASTRUKTUUR

Die beoogde substasie en kraglyninfrastruktuur vir elke FV-aanleg word as deel van 'n aparte BE-proses geëvalueer. Die substasie en kraglyninfrastruktuur sal die volgende komponente insluit:

- Nuwe interne en kollektorsubstasies om elke FV-aanleg te bedien, wat elk 'n oppervlak van hoogstens 4 ha sal beslaan. 'n Nuwe 132 kV oorhoofse kraglyn wat die interne of kollektorsubstasies met hetsy die Hydra D Hoofttransmissiesubstasie (HTS) of die beoogde Coleskop Windkragaanleg (WEF) se substasie sal verbind, vanwaar die elektrisiteit by die nasionale kragnet ingevoer sal word.

### PROJEKLIJGING

Die drie (3) FV-aanlegte en gepaardgaande substasies en kraglyne is sowat 18 km suidwes van Noupoot en sowat 21 km noordwes van Middelburg in die Umsobomvu en Inxuba Yethemba Plaaslike

Munisipaliteite van onderskeidelik die Noord- en Oos-Kaapprovinsie geleë, soos aangedui op die kaart op die keersy.

### OIE-/BE-PROSES

#### Wat is 'n OIE?

'n OIE is 'n proses van inwinning, organisering, ontleding, vertolking en kommunikasie van inligting wat betrekking het op 'n beoogde ontwikkeling ten einde potensiële omgewingsimpakte te identifiseer. Hierdie inligting bied die Bevoegde Owerheid (naamlik die DO) 'n konkrete grondslag vir hul besluitneming met betrekking tot Omgewingsmagtiging (OM).

#### Wat is 'n BE?

'n BE is 'n proses soortgelyk aan 'n OIE, maar word onderneem waar die impakte minder waarskynlik beduidende impakte op die ontvangsomgewing sal hê. Soos in die geval van IOE's, identifiseer BE's ook potensiële omgewingsimpakte en bied die Bevoegde Owerheid 'n konkrete grondslag vir hul besluitneming.

#### Wetlike vereistes

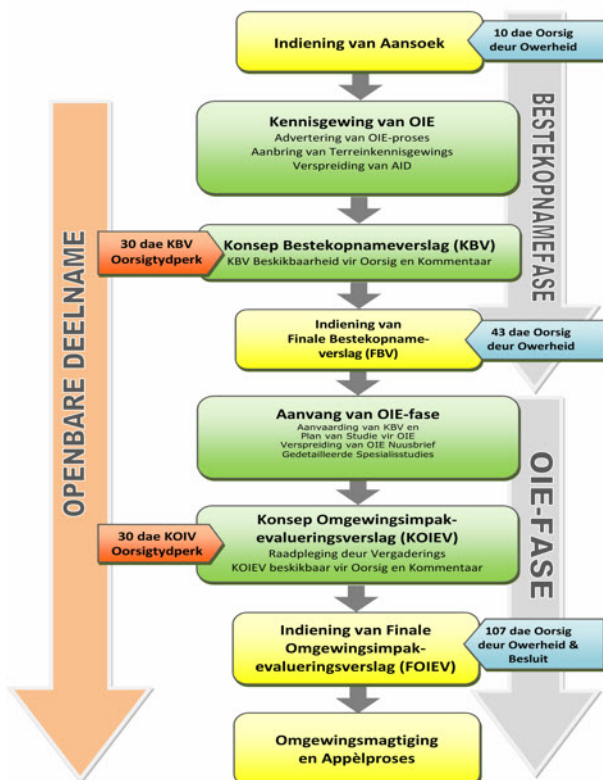
Ingevolge NEMA (soos gewysig), moet 'n OIE-proses vir die beoogde FV-sonkragaanlegte onderneem word, aangesien verskeie gelyste Kennisgewing 2-aktiwiteite (Staatskennisgewing R984, soos gewysig) deur elk van die beoogde projekte geaktiveer word. 'n BE-proses moet vir die gepaardgaande rsubstasies en kraglyne onderneem word, aangesien verskeie gelyste Kennisgewing 1-aktiwiteite (Staatskennisgewing R983, soos gewysig) deur elk van die beoogde projekte geaktiveer word.

Die OIE- en BE-prosesse wat gevolg sal word, word in die diagramme hieronder geïllustreer.

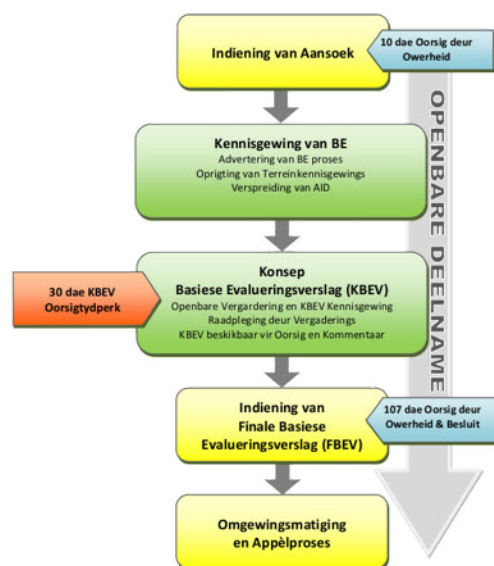
Die primêre doel van die OIE-/BE-prosesse is om omgewingskwessies en impakte te evalueer wat verband hou met die beoogde aktiwiteit en om die omvang van hierdie impakte te evalueer. Die volgende spesialisstudies sal hierdie proses toelig:

- Landbou en Grondsoorte
- Avifauna
- Ekology (Fauna en Flora)
- Geotegnies
- Erfenis en Paleontologie
- Sosio-eonomies
- Oppervlakwater
- Verkeer
- Visueel

### OMGEWINGSIMPAKEVALUERINGSPROSES



### BASIESE EVALUERINGSPROSES



## HOE OM BETROKKE TE RAAK

Openbare deelname is die hoeksteen van enige OIE/BE, met die primêre doelwit om toe te sien dat alle belangstellende en/of geaffekteerde partye (insluitend Staatsinstansies/Owerhede) die geleentheid kry om deel te neem aan die OIE en BE-prosesse en om toegang tot alle tersaaklike inligting en dokumente te hê wat verband hou met die beoogde ontwikkeling.

Openbare kennisgewing van die OIE-/BE-prosesse sal die volgende insluit:

- Advertensies sal in 'n plaaslike koerant geplaas word.
- 'n Agtergrondinligtingsdokument (AID) sal versprei word.
- Kennisgewings in die vorm van e-posse, briewe, fakse en SMS'e, waar van toepassing.
- Terreinkennisgewings sal by die ontwikkelingsterrein opgerig word.
- Alle tersaaklike dokumentasie sal aanlyn en in openbare biblioteke beskikbaar gestel word.

Daarbenewens sal die tersaaklike verslae beskikbaar gemaak word vir openbare insae en kommentaar en openbare/fokusgroepvergaderings sal gehou word.

As u as 'n B&GP wil registreer, kan u dit doen deur:

- te reageer (telefonies, per faks, pos of e-pos) op die uitnodiging wat in die pers geadverteer is;
- die vergaderings by te woon wat tydens die verloop van die projek gehou sal word. Sou u as 'n B&GP registreer, sal u outomaties 'n uitnodiging na hierdie vergaderings toe ontvang;
- ons te kontak (telefonies, per faks, pos of e-pos) met enige navrae, kommentaar of versoeke vir verdere projekinligting; en
- kommentaar in te dien op die Konsepverslae (KBV's/KBEV's/KOIEV's) en wel in die gestipuleerde insaetydperke.

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

*Neem asseblief kennis dat alle tersaaklike publieke dokumente van SiVEST se webwerf afgelaai kan word.*




**SiVEST**



*Ons sien na u bydraes*

**Kontak: Hlengiwe Ntuli**

 **Posbus 2921, RIVONIA, 2128**

 **Telefoon: (011) 798 0600**

 **E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) /  
[sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)**

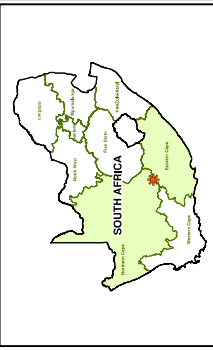
 **Faks: (011) 803 7272**

**Webwerf: [www.sivest.co.za](http://www.sivest.co.za)**

**PROPOSED CONSTRUCTION OF THREE SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR NOUPOORT, NORTHERN AND EASTERN CAPE PROVINCES REGIONAL CONTEXT**

- Legend**
- Provincial Boundary
  - Local Municipal Boundaries
  - National Routes
  - Main Arterial Routes
  - Main Roads
  - Secondary Roads
  - Railways
  - Main Towns
  - ◊ Hydra D MTS Substation
  - Proposed Coleskop WEF Substation

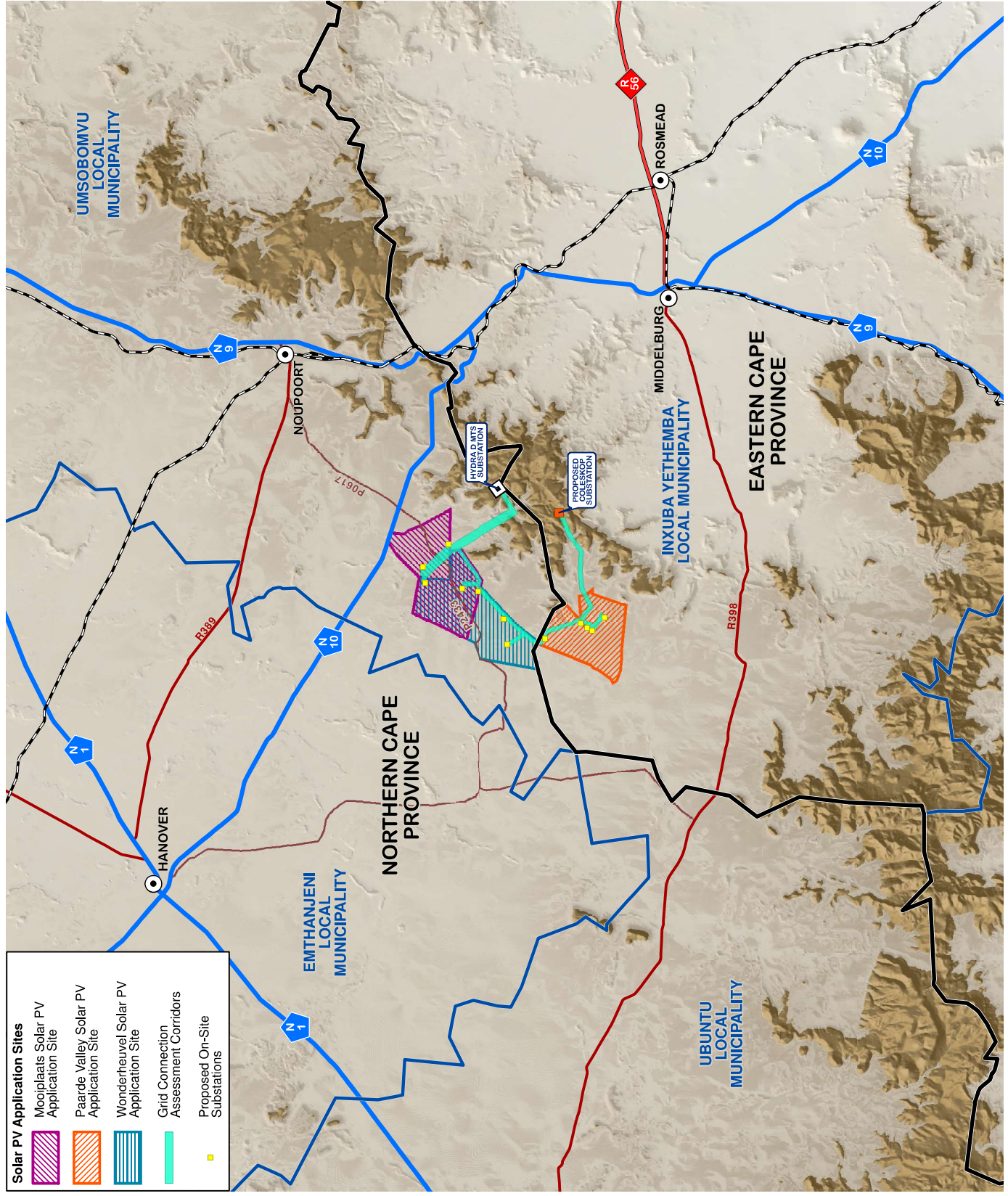
SOURCE: MUNICIPAL DEMARCATION BOARD, 2011



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|            |              |             |     |      |            |
|------------|--------------|-------------|-----|------|------------|
| Project No | 15524        | Prepared By | RCS | Date | 05/11/2019 |
| Map Ref No | 15524/EMA_01 | Revision    | 0   | Date |            |

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- Solar PV Application Sites**
- Mooplaats Solar PV Application Site
  - Paarde Valley Solar PV Application Site
  - Wonderheuwel Solar PV Application Site
  - Grid Connection Assessment Corridors
  - Proposed On-Site Substations



## ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND BASIC ASSESSMENTS (BAs) FOR THE PROPOSED DEVELOPMENT OF THREE (3) SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES

- Mooi Plaats Solar PV 14/12/16/3/3/2/1134
- Wonderheuvel Solar PV 14/12/16/3/3/2/1135
- Paarde Valley Solar PV 14/12/16/3/3/2/1136
- Mooi Plaats Grid To Be Allocated
- Wonderheuvel Grid To Be Allocated
- Paarde Valley Grid To Be Allocated

### INTRODUCTION

Mooi Plaats, Wonderheuvel and Paarde Valley Solar Power (Pty) Ltd (hereafter referred to as "the applicant") is proposing to develop three (3) adjacent Solar Photovoltaic (PV) Energy Facilities and associated grid infrastructure as part of the greater Umsobomvu PV project near Noupoort and Middelburg in the Northern and Eastern Cape Provinces of South Africa. While both the Mooi Plaats and Wonderheuvel facilities are located in the Umsobomvu Local Municipality, in the Pixley ka Seme District Municipality of the Northern Cape Province, the Paarde Valley facility is located in the Inxuba Yethemba Local Municipality, in the Chris Hani District Municipality of the Eastern Cape Province.

In order to accommodate the Department of Energy's (DoE) competitive bidding process for procuring renewable energy from Independent Power Producers in South Africa, each of the proposed PV facilities will require a full Environmental Impact Assessment (EIA). Additionally the associated grid infrastructure will require a Basic Assessment (BA) to be undertaken. As such, three (3) EIAs will be undertaken, one for each proposed PV Facility, and three (3) BAs will be undertaken, one for each associated grid infrastructure. The EIAs and BAs will be conducted in terms of the EIA Regulations, 2014 (as amended) promulgated in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA). Although each PV facility and the associated grid infrastructure will be assessed separately, a single public participation process is being undertaken for all six (6) proposed projects. The potential environmental impacts associated with all six (6) projects will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

Accordingly, the applicant has appointed SiVEST SA (Pty) Ltd (hereafter referred to as "SiVEST") as the independent Environmental Assessment Practitioner (EAP), to undertake the required EIA and BA processes.

### PURPOSE OF THIS DOCUMENT

The purpose of this Background Information Document (BID) is to inform Interested and/or Affected Parties (I&APs) about the EIA and BA processes that are being conducted for the proposed Solar PV Facilities and associated grid infrastructure developments. In addition, this BID will also provide I&APs with the opportunity to:

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

### BACKGROUND TO THE PROPOSED PROJECT

In support of the need to find solutions for the current electricity shortages and the increasing demand for energy, as well as the need to find more sustainable and environmentally friendly energy resources, South Africa has embarked on an infrastructure growth programme supported by various government initiatives. In response to this goal, the applicant is proposing to develop three (3) Solar PV Energy Facilities near Noupoort in the Northern and Eastern Cape Provinces. The overall objective of these projects is to generate electricity by means of renewable energy technologies and to feed into the national grid.

## SOLAR PV COMPONENTS

The three Solar PV facilities will include the following components:

- PV fields (arrays) comprising multiple PV panels. The number of panels, the generation capacity of each facility and the layout of the arrays will be dependent on the outcome of the specialist studies conducted during the EIA process.
- PV panels will be either fixed tilt mounting or single axis tracking mounting, and the modules will be either crystalline silicon or thin film technology. Each panel will be approximately 2m wide and between 1m and 4m in height, depending on the mounting type.
- Internal roads, between 4m and 10m wide, will provide access to the PV arrays. Existing site roads will be used wherever possible, although new site roads will be constructed where necessary.
- Each PV facility will include up to two (2) temporary construction laydown/staging areas of approximately 10ha each.
- Operation and maintenance (O&M) buildings will be provided for each PV field, occupying a site of approximately 2 500m<sup>2</sup> (50m x 50m).
- Medium voltage cabling will link the PV plant to the grid connection infrastructure. These cables will be laid underground wherever technically feasible.

## GRID CONNECTION INFRASTRUCTURE

The proposed grid connection infrastructure for each PV facility is being assessed as part of a separate BA process. The grid infrastructure will include the following components:

- New on-site substations and collector substations to serve each PV facility, each occupying an area of up to 4ha.
- A new 132kV overhead power line connecting the on-site substations or collector substations to either Hydra D Main Transmission Substation (MTS) or the proposed Coleskop Wind Energy Facility (WEF) substation from where the electricity will be fed into the national grid.

## PROJECT LOCATION

The three (3) PV facilities and associated grid infrastructure are located approximately 18km south-west of Noupoort and

approximately 21km north-west of Middelburg, in the Umsobomvu and Inxuba Yethemba Local Municipalities of the Northern and Eastern Cape Provinces respectively, as shown in the map overleaf.

## EIA / BA PROCESS

### What is an EIA?

An EIA is a process of collecting, organising, analysing, interpreting and communicating information relevant to a proposed development to identify potential environmental impacts. This information provides the Competent Authority (the DEA) with a sound basis for their decision-making regarding Environmental Authorisation (EA).

### What is a BA?

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

### Legal requirements

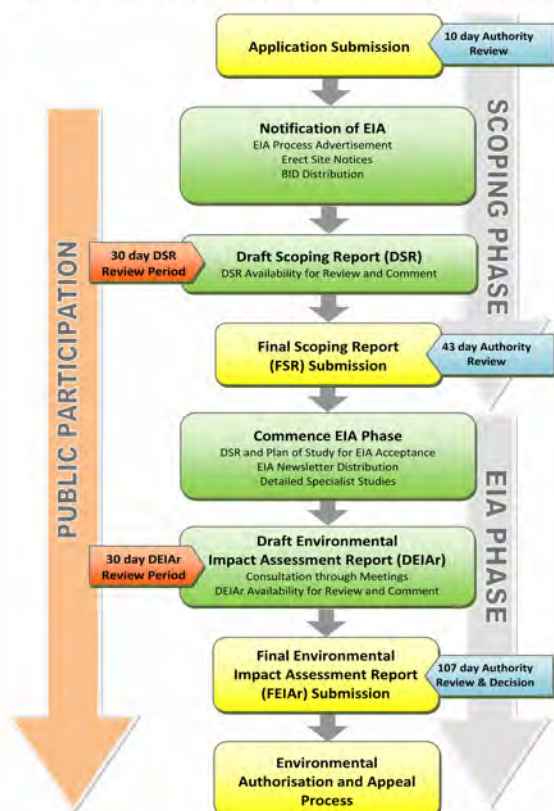
According to the NEMA (as amended), an EIA process is required for the proposed solar PV energy facilities as several listed notice 2 activities (GN R. 984 as amended) are triggered by each proposed project. A BA process is required for the associated grid infrastructure as several listed notice 1 activities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

The EIA and BA processes that will be followed are illustrated in the figures below.

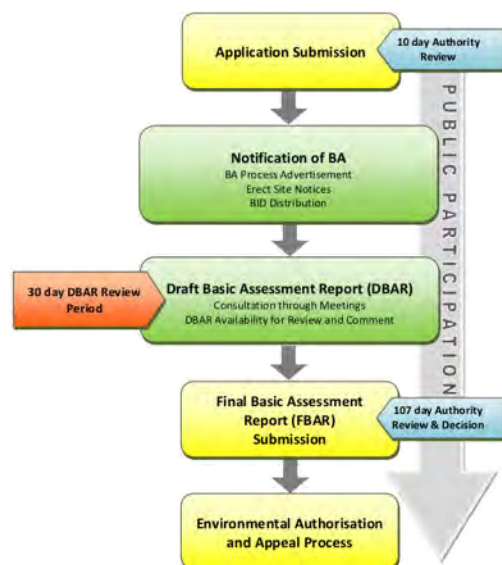
The ultimate purpose of the EIA process is to identify environmental issues and impacts associated with the proposed activity and to assess the significance of these impacts. The following specialist studies will inform this process:

- Agricultural and Soils
- Avifauna
- Ecology (Fauna and Flora)
- Geotechnical
- Heritage and Palaeontology
- Socio-Economic
- Surface Water
- Traffic
- Visual

### ENVIRONMENTAL IMPACT ASSESSMENT PROCESS



### BASIC ASSESSMENT PROCESS



## HOW TO BECOME INVOLVED

Public participation is the cornerstone of any EIA / BA, with the key objective being to ensure that all interested and affected parties (including Organs of State/Authorities) are afforded the opportunity to participate in the EIA and BA processes and have access to all relevant information and documents related to the proposed development.

Public notification of the EIA / BA process will include the following:

- Advertisements will be placed in a local newspaper;
- Distribution of a Background Information Document (BID);
- Notifications in the form of emails, post, fax and SMS where applicable;
- Site notices will be placed on the development site; and
- All relevant documentation will be made available online and in public libraries .

In addition, the relevant reports will be made available for public review and comment and public/focus group meetings will be held.

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

- Respond (by phone, fax, post or e-mail) to the invitation advertised in the printed media;
- Attend the meetings to be held during the course of the project. Should you register as an I&AP you will automatically receive an invitation to these meetings;
- Contact us (by phone, fax, post or e-mail) with any queries, comments or requests for further project information; and
- Submit comments on the Draft Scoping/Environmental Impact Reports (DSRs/DBARs/DEIRs) within the review periods that will be stipulated.

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

*Please be informed that all relevant public documents can be downloaded during the review periods from SiVEST's website.*

The SiVEST logo consists of the word "SiVEST" in white, bold, sans-serif capital letters on a red rectangular background. To the right of the text is a square icon with a grid of red dots of varying sizes, resembling a molecular or network structure.

*We look forward to your contributions*

Contact: Hlengiwe Ntuli

 PO Box 2921, RIVONIA, 2128

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**PROPOSED CONSTRUCTION OF THREE SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES NEAR NOUPOORT, NORTHERN AND EASTERN CAPE PROVINCES REGIONAL CONTEXT**

- Legend**
- Provincial Boundary
  - Local Municipal Boundaries
  - National Routes
  - Main Arterial Routes
  - Main Roads
  - Secondary Roads
  - Railways
  - Main Towns
  - ◊ Hydra D MTS Substation
  - Proposed Coleskop WEF Substation

SOURCE: MUNICIPAL DEMARCATION BOARD, 2011

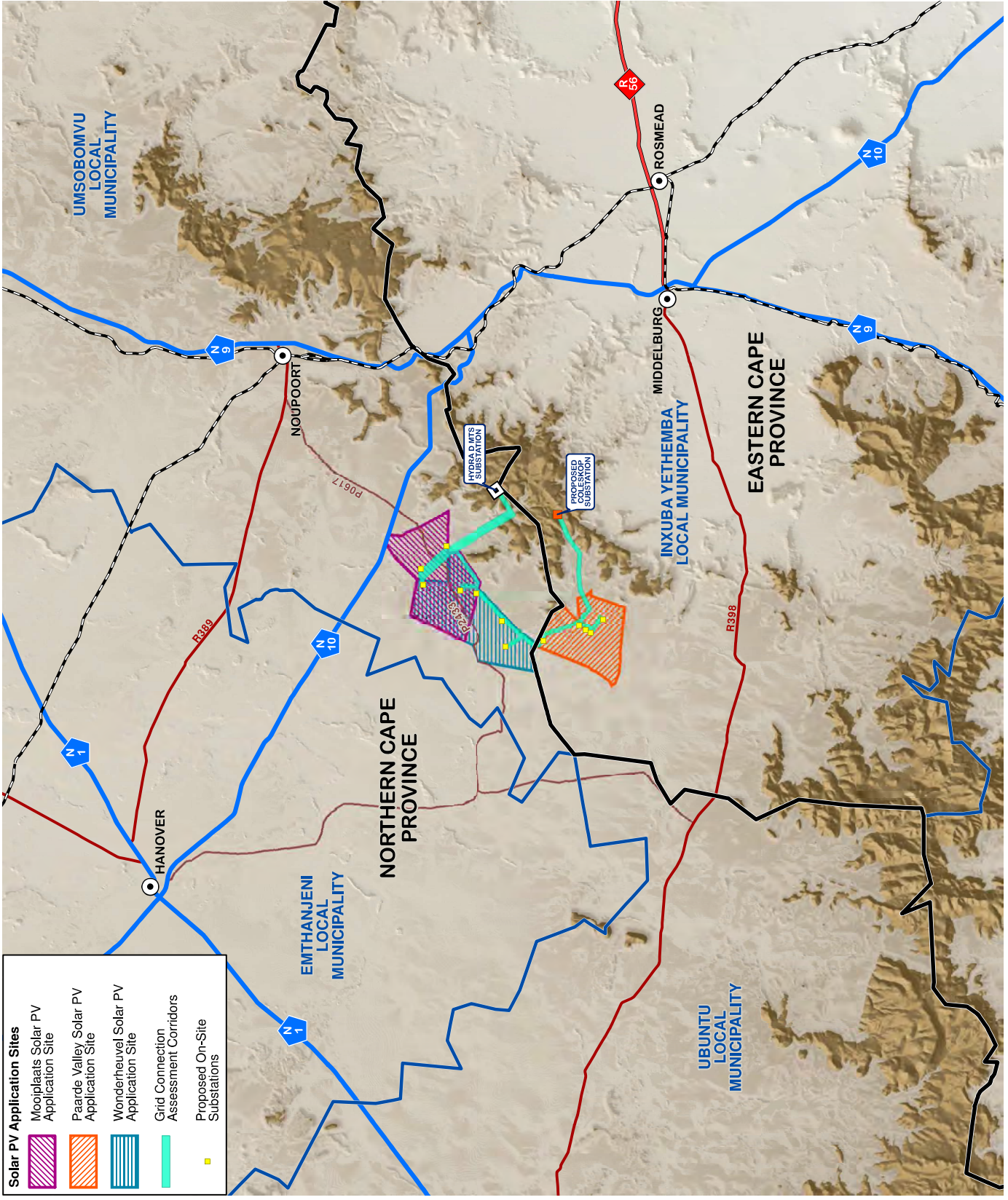


**SIVEST**  
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 Email: info@sivest.co.za

|            |             |             |     |      |            |
|------------|-------------|-------------|-----|------|------------|
| Project No | 15324       | Prepared By | RCS | Date | 05/11/2019 |
| Map Ref No | 15324/EP/01 | Revision    | 0   | Date |            |

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



- Solar PV Application Sites**
- Mooplaats Solar PV Application Site
  - Paarde Valley Solar PV Application Site
  - Wonderheuwel Solar PV Application Site
  - Grid Connection Assessment Corridors
  - Proposed On-Site Substations

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE NORTHERN CAPE PROVINCE**

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
  - MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)
- WONDERHEUVEL SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1135)
  - WONDERHEUVEL GRID – (DEA Ref No.: To be Allocated)

**FOCUS GROUP MEETING (FGM): AGENDA**

**Tuesday 26 November 2019 from 14h00 – 16h00**

**Noupoort Combined School Hall  
Pretorius Street  
Noupoort**

**PURPOSE OF THE MEETING**

- provide feedback on the environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIAs) and Draft Basic Assessment Reports (DBARs);
- provide feedback on the mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding this proposed projects; and
- record your comments and/or concerns raised at the FGM.

**DRAFT AGENDA**

**Facilitators:** Liandra Scott-Shaw, Stephan Jacobs

|                                     |                |
|-------------------------------------|----------------|
| WELCOME, INTRODUCTION & APOLOGIES   | Stephan Jacobs |
| PURPOSE AND PROCESS OF THE MEETING  | Stephan Jacobs |
| BACKGROUND TO THE PROPOSED PROJECTS | Stephan Jacobs |
| ENVIRONMENTAL ASPECTS AND FINDINGS  | Stephan Jacobs |
| DISCUSSION SESSION                  | All            |
| WAY FORWARD & CLOSURE               | Stephan Jacobs |



**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPROVINSIE**

- MOOI PLAATS FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1134)
  - MOOI PLAATS ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)
- WONDERHEUVEL FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1135)
  - WONDERHEUVEL ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)

**VERGADERING: AGENDA**

**Dinsdag 26 November 2019 van 14h00 – 14h00**

**Noupoort Gekombineerde Skoolsaal  
Pretoriusstraat  
Noupoort**

**DOEL VAN DIE VERGADERING**

- 'n kort / opsommende oorsig oor die voorgestelde projekte aan te bied;
- terugvoering te gee rakende die omgewingsbevindinge soos vervat in die konsep Omgewingsimpakevaluering Verslae en Konsep Basiese Assesseringsverslae, en die aanbevole versagtende maatreëls soos vervat in die konsep Omgewingsbestuursprogramme;
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/of kwelling wat nog nie rakende die voorgestelde projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die vergadering geopper word, aan te teken.

**KONSEP AGENDA**

**Fasiliteerders:** Liandra Scott-Shaw, Stephan acobs

|                                            |               |
|--------------------------------------------|---------------|
| VERWELKOMING, BEKENDSTELLING & VERSKONINGS | Stephan acobs |
| DOEL EN VERLOOP VAN VERGADERING            | Stephan acobs |
| AGTERGROND TOT DIE VOORGESTELDE PRO EKTE   | Stephan acobs |
| OMGEWINGSASPEKTE EN -BEVINDINGE            | Stephan acobs |
| BESPREKINGSGELEENTHEID                     | Almal         |
| PROSES VORENTOE & AFSLUITING               | Stephan acobs |

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE NORTHERN CAPE PROVINCE**

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
  - MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)
- WONDERHEUVEL SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1135)
  - WONDERHEUVEL GRID – (DEA Ref No.: To be Allocated)

**PUBLIC MEETING: AGENDA**

**Tuesday 26 November 2019 from 16h30 – 18h30**

**Noupoort Combined School Hall  
Pretorius Street  
Noupoort**

**PURPOSE OF THE MEETING**

- provide feedback on the environmental findings as documented in the Draft Environmental Impact Assessment Reports (DEIAs) and Draft Basic Assessment Reports (DBARs);
- provide feedback on the mitigation measures recommended as documented in the draft Environmental Management Programmes (EMPs);
- provide the opportunity to raise any questions for clarifications regarding the environmental findings;
- provide the opportunity to raise any comments and/or concerns not yet raised regarding this proposed projects; and
- record your comments and/or concerns raised at the Public Meeting.

**DRAFT AGENDA**

**Facilitators:** Liandra Scott-Shaw, Stephan Jacobs

|                                     |                |
|-------------------------------------|----------------|
| WELCOME, INTRODUCTION & APOLOGIES   | Stephan Jacobs |
| PURPOSE AND PROCESS OF THE MEETING  | Stephan Jacobs |
| BACKGROUND TO THE PROPOSED PROJECTS | Stephan Jacobs |
| ENVIRONMENTAL ASPECTS AND FINDINGS  | Stephan Jacobs |
| DISCUSSION SESSION                  | All            |
| WAY FORWARD & CLOSURE               | Stephan Jacobs |

**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPROVINSIE**

- MOOI PLAATS FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1134)
  - MOOI PLAATS ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)
- WONDERHEUVEL FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1135)
  - WONDERHEUVEL ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)

**OPENBAREVERGADERING: AGENDA**

**Dinsdag 26 November 2019 van 16h30 – 18h30**

**Noupoort Gekombineerde Skoolsaal  
Pretoriusstraat  
Noupoort**

**DOEL VAN DIE VERGADERING**

- 'n kort / opsommende oorsig oor die voorgestelde projekte aan te bied;
- terugvoering te gee rakende die omgewingsbevindinge soos vervat in die konsep Omgewingsimpakevaluering Verslae en Konsep Basiese Assesseringsverslae, en die aanbevole versagtende maatreëls soos vervat in die konsep Omgewingsbestuursprogramme;
- aan u die geleentheid te bied om vrae te vra ter verduideliking betreffende die omgewingsbevindinge;
- aan u die geleentheid te bied om enige kommentaar en/of kwelling wat nog nie rakende die voorgestelde projekte geopper is nie, te opper; en
- u kommentaar en/of knelpunte wat by die Publieke Vergadering geopper word, aan te teken.

**KONSEP AGENDA**

**Fasiliteerders:** Liandra Scott-Shaw, Stephan acobs

|                                            |               |
|--------------------------------------------|---------------|
| VERWELKOMING, BEKENDSTELLING & VERSKONINGS | Stephan acobs |
| DOEL EN VERLOOP VAN VERGADERING            | Stephan acobs |
| AGTERGROND TOT DIE VOORGESTELDE PRO EKTE   | Stephan acobs |
| OMGEWINGSASPEKTE EN -BEVINDINGE            | Stephan acobs |
| BESPREKINGSGELEENTHEID                     | Almal         |
| PROSES VORENTOE & AFSLUITING               | Stephan acobs |





**Appendix 7C**  
**Proof of Advertisements**



# Ten first-timers take on Mountain Driver parkrun

Paula-Ann Smit

Out of the 63 people who took on the challenging Mountain Drive parkrun on Saturday, 10 ran or walked the route for the first time.

Twelve joggers also managed to clock new person bests.

Ethan Bantom was the first male runner to cross the finish line, with a time of 24:51. Lauren Stanley was first in the women's category, with her time of 30:43.

The female record is held by Alicia Cawood, who recorded a time of 22:50 on 9 March, while the male record is held by Ian Slinger, who recorded a time of 17:01 on 6 April.

Saturday's event was made possible by nine volunteers:

Mike Calitz, Kim Spencer Primic, Lusan Luscombe, Rozelle Köhne, Peter Burdett, Jacqueline Taylor-Freeme, Shirley Spencer, Waune Gradwell and Marna Gerber.



Chirano van Heerden

# Chirano now award-winning SA umpire

Paula-Ann Smit

A member of the Sarah Baartman Netball Association is now a national level and award-winning umpire.

Chirano van Heerden recently received his South Africa C+ grading. He also received an award for his work as umpire in a national final in Cape Town between teams eThekweni and Harry Gwala.

His association and community are proud of him.



# Gimnaste vaar goed

Christo Vermaak

Plaaslike gimnaste het by die South Zone-gimnastiekampioenskappe in Uitenhage die medaljes behoorlik ingeryg.

Die kampioenskappe het van 21 tot 23 Junie plaasgevind.

Wes Kaap, Oos Kaap en Noord Kaap het aan die kampioenskap deelgeneem, wat slegs vir vlak 1 tot 3 artistiese gimnaste bedoel is.



Gimnaste van Graaff-Reinet en omgewing het as volg presteer:

**Vlak 1**

Mia Keevy (brons), Alison Orwin (brons), Elani Ferreira (silwer), Carike de Gouveia (brons), Clara Burton (brons), Joslyn Jordaan (silwer), Jana Neetling (silwer), Sophia Louw (silwer), Zoe Hatting (silwer) en Lara Greeff (silwer).

**Vlak 2**

Janine Coetzer (brons), Ju-Netje le Roux (silwer), Tiaan Fourie (brons), en AJ Cronje (brons).

**Vlak 3**

Marisa Loubser (goud), Anja Loubser (silwer) en Henco van Niekerk (brons).

## STATE AUCTION

### NO RESERVE

**WEDNESDAY 10 JULY 2019 @ 11H00**  
VIEWING: 9 July 2019 between 10h00 - 15h00  
VENUE: 2 Fabriek Street, GRAAFF-REINET  
**AUCTION LOTS: TRUCKS, TRAILERS, BAKKIES, CARS AND LOOSE ASSETS**  
**AUCTION HALL: Alex Laing Hall, Cnr of Mossie & Acasia Street, KROONVALE, GRAAFF-REINET.**

**Auctioneer: Martin Nel 082 771 7947 | info@auction-all.com**  
**R5 000 Deposit, proof of residence and copy of ID to register as bidder.**  
**Buyers premium & administration fee's apply**  
**General auction rules applicable.**  
[www.auction-all.com](http://www.auction-all.com)

**SIVEST Environmental Division**

### ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE THREE (3) SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES (DEA REFERENCE NUMBERS TO BE ANNOUNCED)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) (as amended) and the Environmental Impact Assessment (EIA) Regulations, 2014 (as amended), under Government Notices R982, R983, R984 and R985 (as amended), notice is hereby given that EDF Renewables (Pty) Ltd (hereafter referred to as "EDF") have appointed SIVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required EIA, Basic Assessment (BA) and Public Participation processes for the below-mentioned proposed developments.

**PROJECT DESCRIPTION**

EDF is proposing to develop three (3) adjacent solar photovoltaic (PV) energy facilities and associated infrastructure near Noupport and Middelburg in the Northern and Eastern Cape Provinces. The proposed solar PV energy facilities will be known as Mooi Plaats Solar PV, Wonderheuvel Solar PV and Paarde Valley Solar PV. In addition, EDF is proposing to construct three (3) 132kV overhead power lines and associated grid infrastructure (hereafter referred to as "the grid connections"), in order to feed the electricity generated by each solar PV energy facility into the national grid.

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

In light of the above, three (3) EIAs (one (1) for each proposed solar PV energy facility) and three (3) BAs (one (1) for each associated grid connection) will be undertaken. Although each solar PV energy facility and the associated grid connection will be assessed separately, a single public participation process is being undertaken for all six (6) proposed applications. The potential environmental impacts associated with all six (6) proposed developments will be assessed during the EIAs and BAs as part of a cumulative impact assessment.

The generation capacity of each solar PV facility and the layout of the PV arrays will be dependent on the outcome of the specialist studies conducted during the EIA process.

**PROJECT LOCATION**

The three (3) proposed solar PV energy facilities and grid infrastructure projects are located approximately 18km south-west of Noupport and approximately 21km north-west of Middelburg, in the Northern and Eastern Cape Provinces respectively. While both the Mooi Plaats and Wonderheuvel Solar PV Energy Facilities are located in the Umsobomvu Local Municipality, in the Pixley ka Seme District Municipality of the Northern Cape Province, the Paarde Valley Solar PV Energy Facility is located in the Inxuba Yethemba Local Municipality, in the Chris Hani District Municipality of the Eastern Cape Province.

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

|                                                                |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hlengiwe Ntuli or Stephan Jacobs</b>                        |                                                                                                                                                                                                                                                                                                                                    |
| <b>SIVEST Environmental</b><br>P O Box 2921<br>RIVONIA<br>2128 | Tel: (011) 798 0600<br>Fax: (011) 803 7272<br>E-mail: <a href="mailto:stephanj@sivest.co.za">stephanj@sivest.co.za</a> / <a href="mailto:hlengiw@zivest.co.za">hlengiw@zivest.co.za</a><br><a href="mailto:sivest_ppp@sivest.co.za">sivest_ppp@sivest.co.za</a><br>Website: <a href="http://www.sivest.co.za">www.sivest.co.za</a> |

**SIVEST Omgewingsafdeling**

### OMGEWINGSIMPAKEVALUERINGS (OIE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE DRIE (3) FOTOVOLTAÏESE (FV) SONKRAGAAANLEGTE EN BASIESE EVALUERINGS (BE's) VIR DIE GEPAARDGAANDE ROOSTERKONNEKSIE-INFRASTRUKTUUR NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPROVINSIE (DO-VERWYSINGSNOMMERS MOET NOG AANGEKONDIG WORD)

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) (soos gewysig) en die Regulasies op Omgewingsimpevaluering (OIE-regulasies), 2014 (soos gewysig), kragtens Staatskenningsgewing R982, R983, R984 en R985 (soos gewysig), geskied kennis hiermee dat EDF Renewables (Edms.) Bpk. (hierna "EDF" genoem) SIVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsimpevaluering (OIE) Basiese Evaluering (BE) en Openbare Deelnameprosesse vir die onderstaande beoogde ontwikkelings te onderneem.

**PROJEK BESKRYWING**

EDF beoog die ontwikkeling van drie (3) aangrensende fotovoltaïese (FV) sonkragaanlegte en gepaardgaande infrastruktuur naby Noupport en Middelburg in die Noord- en Oos-Kaapprovinsie. Die beoogde FV-sonkragaanlegte sal die Mooi Plaats FV, Wonderheuvel FV- en Paarde Valley FV-sonkragaanleg heet. Voorts beoog EDF ook die oprigting van drie (3) 132 kV oorhoofse kraglyne en gepaardgaande roosterinfrastruktuur (hierna die "roosterkonneksies" genoem) ten einde die krag wat by elk van die FV-sonkragaanlegte opgewek word, by die nasionale kragnet in te voer.

Ten einde aan die Departement van Energie (DE) se mededingende bodproses vir die verkryging van hernubare krag van Onafhanklike Kragprodusente (IPP's) in Suid-Afrika te voldoen, sal elk van die FV-sonkragaanlegte 'n aparte Omgewingsmagtiging (OM) moet bekom. Elke roosterkonneksie sal ook 'n aparte OM moet bekom.

Met inagneming van die bogenoemde, sal drie (3) OIE's (een (1) vir elke beoogde FV-sonkragaanleg) en drie (3) BE's (een (1) vir elke gepaardgaande roosterkonneksie) onderneem word. Hoewel elke FV-sonkragaanleg en die gepaardgaande roosterkonneksie apart geëvalueer sal word, sal 'n enkele openbare deelnameproses vir al ses (6) die beoogde aansoeke onderneem word. Die potensiele omgewingsimpekte wat met al ses (6) beoogde ontwikkelings verband hou, sal tydens die OIE's en BE's as deel van 'n kumulatiewe impakevaluering geëvalueer word.

Die opwekkingsvermoe van elk van die FV-sonkragaanlegte en die uitleg van die FV-reeks sal afhang van die uitkoms van die spesialisstudies wat tydens die OIE-proses onderneem word.

**PROJEK LIGGING**

Die drie (3) beoogde FV-sonkragaanleg- en roosterinfrastruktuurprojekte is sowat 18 km suidwes van Noupport en sowat 21 km noordwes van Middelburg in onderskeidelik die Noord- en Oos-Kaapprovinsie geleë. Hoewel beide die Mooi Plaats en Wonderheuvel FV-sonkragaanlegte in die Umsobomvu Plaaslike Munisipaliteit in die Pixley ka Seme Distriksmunisipaliteit van die Noord-Kaapprovinsie geleë is, is die Paarde Valley FV-sonkragaanleg in die Inxuba Yethemba Plaaslike Munisipaliteit in die Chris Hani Distriksmunisipaliteit van die Oos-Kaapprovinsie geleë.

**Om as 'n Belangstellende en/of Geëffekteerde Party (B&GP) te registreer en/of om meer inligting te bekom, moet u asseblief u naam, kontakbesonderhede en die belang wat u by die aansoek het by SIVEST by die onderstaande kontakbesonderhede indien:**

|                                                               |                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hlengiwe Ntuli of Stephan Jacobs</b>                       |                                                                                                                                                                                                                                                                                                                                |
| <b>SIVEST Environmental</b><br>Posbus 2921<br>RIVONIA<br>2128 | Tel: 011 798 0600<br>Faks: 011 803 7272<br>E-pos: <a href="mailto:stephanj@sivest.co.za">stephanj@sivest.co.za</a> / <a href="mailto:hlengiw@zivest.co.za">hlengiw@zivest.co.za</a><br><a href="mailto:sivest_ppp@sivest.co.za">sivest_ppp@sivest.co.za</a><br>Webwerf: <a href="http://www.sivest.co.za">www.sivest.co.za</a> |







**Appendix 7D**  
**Correspondence**





**Appendix 7D1  
Correspondence  
From Authorities**





**Appendix 7D2  
Correspondence  
To Authorities**





**Appendix 7D3  
Correspondence  
To I&APs**







**Appendix 7D4  
Correspondence  
FROM I&APs**





**Appendix 7E**  
**Comments and Response Report**



## **BASIC ASSESSMENT (BA)**

**DEFF Reference number: To be Allocated**

### **COMMENTS AND RESPONSE REPORT (C&RR) – DRAFT BASIC ASSESSMENT REPORT (DBAR)**

### **PROPOSED DEVELOPMENT OF THE WONDERHEUVEL ON-SITE ESKOM SUBSTATION, ESKOM COLLECTOR SUBSTATION AND ASSOCIATED 132KV POWER LINE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES**

### **SUMMARY OF ENVIRONMENTAL ISSUES / CONCERNS AND SUGGESTIONS RAISED BY INTERESTED AND/OR AFFECTED PARTIES (I&APS), STAKEHOLDERS AND ORGANS OF STATE (OoS) / AUTHORITIES**

**DECEMBER 2018 – FEBRUARY 2020**

Interested and/or Affected Parties (I&APs), stakeholders and Organs of State (OoS) / Authorities who contributed issues ranging across all sectors of society are recorded in this Comments and Response Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in **Appendix 7D** of the Draft Basic Assessment Report (DBAR).

As mentioned in the DBAR, although the solar PV energy facility (part of a separate on-going EIA process with **DEFF Ref No.:** 14/12/16/3/3/2/1135) and associated electrical infrastructure (132kV overhead power line, on-site substation and collector substation) will be assessed separately, a single public participation process is being undertaken to consider all of the proposed projects i.e. three (3) solar PV energy facility Environmental Impact Assessments (EIAs) and three (3) grid connection Basic Assessments (BAs). As such, correspondence received before the BA process was initiated, which is applicable to the proposed associated electrical infrastructure development, has been included in this C&RR. All comments in the C&RR are verbatim as received. Similar issues raised have been grouped together. The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR.

## INDEX TO ISSUES IN THIS TABLE

|    |                                                                   |           |
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| 1. | <b>Surrounding Infrastructure Related Comments / Issues .....</b> | <b>4</b>  |
| 2. | <b>Communication Related Comments / Issues .....</b>              | <b>7</b>  |
| 3. | <b>Heritage Related Comments / Issues .....</b>                   | <b>10</b> |

### **ABBREVIATIONS**

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| <b>APM</b>       | Archaeology, Palaeontology and Meteorites                                          |
| <b>BA</b>        | Basic Assessment                                                                   |
| <b>CBA</b>       | Critical Biodiversity Area                                                         |
| <b>C&amp;RR</b>  | Comments and Response Report                                                       |
| <b>DBAR</b>      | Draft Basic Assessment Report                                                      |
| <b>DEFF</b>      | Department of Environment, Forestry and Fisheries                                  |
| <b>DEIAr</b>     | Draft Environmental Impact Assessment Report                                       |
| <b>DSR</b>       | Draft Scoping Report                                                               |
| <b>EA</b>        | Environmental Authorisation                                                        |
| <b>EAP</b>       | Environmental Assessment Practitioner                                              |
| <b>ECDPW</b>     | Eastern Cape Department of Public Works                                            |
| <b>ECPHRA</b>    | Eastern Cape Provincial Heritage Resources Authority                               |
| <b>EC DEDEAT</b> | Eastern Cape Department of Economic Development, Environmental Affairs and Tourism |
| <b>EIA</b>       | Environmental Impact Assessment                                                    |
| <b>EMPr</b>      | Environmental Management Programme                                                 |
| <b>FEIAr</b>     | Final Environmental Impact Assessment Report                                       |
| <b>FGM</b>       | Focus Group Meeting                                                                |
| <b>FSR</b>       | Final Scoping Report                                                               |
| <b>GN</b>        | Government Notice                                                                  |
| <b>HIA</b>       | Heritage Impact Assessment                                                         |
| <b>I&amp;APs</b> | Interested and/or Affected Parties                                                 |
| <b>Kv</b>        | Kilovolt                                                                           |
| <b>NC DRPW</b>   | Northern Cape Department of Roads and Public Works                                 |
| <b>NCPHRA</b>    | Northern Cape Provincial Heritage Resources Authority                              |

|               |                                                     |
|---------------|-----------------------------------------------------|
| <b>NID</b>    | Notice of Intent to Develop                         |
| <b>OoS</b>    | Organs of State                                     |
| <b>PIA</b>    | Palaeontological Impact Assessment                  |
| <b>PV</b>     | Photovoltaic                                        |
| <b>SAHRA</b>  | South African Heritage Resources Agency             |
| <b>SAHRIS</b> | South African Heritage Resources Information System |
| <b>SARAO</b>  | South African Radio Astronomy Observatory           |
| <b>SEF</b>    | Solar Energy Facility                               |

| Issue/Comment                                                                                                                                                                                                                                                                                                         | Raised By                                                                                                  | Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Surrounding Infrastructure Related Comments / Issues</b>                                                                                                                                                                                                                                                        |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>Please find attached Eskom requirements for works at or near Eskom infrastructure. Please also find attached the Eskom setbacks document that regulates the setback distance for RE plant from Eskom infrastructure.</p> <p>Please send me a KM file of the affected properties and proposed Grid connections.</p> | <p>John Geeringh<br/>Senior Consultant:<br/>Environmental Management<br/>Eskom<br/>Email: 29 July 2019</p> | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 29 July 2019</u></b></p> <p>Thank you for your email and the attachments. We will ensure that these are forwarded to the applicant for consideration.</p> <p>As requested, please find attached KML/KM files of the affected properties for the respective proposed solar Photovoltaic (PV) energy facilities.</p> <p>Please be advised that the proposed grid connections will be assessed as part of separate Basic Assessment (BA) processes which will only commence at a later stage, and thus the layouts we have at this stage are only preliminary. We will therefore forward you KML/KM files for the grid connections when we commence the BA processes for the grid connections. We will also send you another notification when these BA processes commence. I trust this is in order.</p> <p>Please do not hesitate to contact me should there be any issues or should you have any queries in this regard.</p> <p><b><u>Stephan Jacobs – Environmental Assessment Practitioner (EAP), SiVEST</u></b></p> <p>It should be noted that the conditions / recommendations stipulated in Eskom's requirements for works at or near Eskom infrastructure document, as well as the setbacks document that regulates the setback distance for RE plant from Eskom infrastructure, will be incorporated into the Environmental Management Programme (EMPr), where required. The EMPr will be provided as part of the report.</p> |
| <p>I can just mention we have had interaction with the EDF team regarding this application and I do have a good idea of what is coming in future. I just need to have the actual plans when you are at the point where routes and layouts are determined, so that we can interact if</p>                              |                                                                                                            | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 29 July 2019</u></b></p> <p>Hi John,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>necessary. EDF is aware of the setbacks issue and we have discussed it with them previously.</p>                                          |                                                                                                                                                                                    | <p>Noted, thank you very much for clarifying. We will make sure that we forward you the actual plans when we initiate the BA processes and are at the point where routes and layouts are determined.</p> <p>Please do not hesitate to contact us should you have any further queries or require any further information from our side.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b><u>Response from John Geeringh (Eskom) via email on 03 February 2020</u></b><br/>                 Thanks<br/>                 John</p> | <p>John Geeringh<br/>                 Senior Consultant:<br/>                 Environmental Management<br/>                 Eskom<br/>                 Email: 03 February 2020</p> | <p><b><u>Email from Stephan Jacobs (SiVEST) to John Geeringh (Eskom) on 03 February 2020</u></b><br/>                 Good Afternoon Mr Geeringh,</p> <p>I trust you are well.</p> <p>The Basic Assessment (BA) processes for the proposed Mooi Plaats, Wonderheuvél and Paarde Valley grid connection developments (substation and overhead power lines) near Noupport and Middelburg in the Northern and Eastern Cape Provinces refer. These proposed developments form part of the greater Umsobomvu PV project (which also includes the Mooi Plaats - 14/12/16/3/3/2/1134, Wonderheuvél - 14/12/16/3/3/2/1135 and Paarde Valley - 14/12/16/3/3/2/1136 Solar PV Energy Facilities).</p> <p>As requested in the email below, please find attached KML files of the proposed grid connections for each project, along with the affected properties.</p> <p>These attached KMLs show all alternatives for the proposed substation sites and overhead power line corridor routes. However, based on the result of the comparative assessment of alternatives for the respective projects, the following alternatives are preferred:</p> <p><b><u>Wonderheuvél Grid:</u></b></p> <ul style="list-style-type: none"> <li>▪ Grid Connection Option 3 (132kV overhead power line route);</li> <li>▪ Substation 4a (Central Collector Substation); and</li> <li>▪ Substation 4b (On-site Substation).</li> </ul> |

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>It should be noted that the substation sites are intrinsically linked to the grid connection infrastructure alternatives. The locations for the on-site and collector substation sites being proposed have been informed by the grid connection infrastructure alternatives which have been chosen as 'preferred' by the respective specialists. Please see attached PDF document (project description) explaining how the respective grid connection infrastructure alternatives work.</p> <p>For Wonderheuvél, Grid Connection Option 3 has been selected as the preferred grid connection infrastructure alternative and thus Substation 4a (Central Collector) and Substation 4b (On-site) are being proposed, as these are intrinsically linked to this grid connection infrastructure alternative.</p> <p>The substation site alternatives being proposed as part of the BA application also align with the preferences for the substation sites associated with the proposed Wonderheuvél Solar PV Energy Facility EIA proposed substations include an Eskom portion and an Independent Power Producer (IPP) portion, hence the substations have been included in the solar PV energy facility EIAs and in the grid infrastructure BAs to allow for handover to Eskom .</p> <p>The information above has been explained in the Draft Basic Assessment Report (DBARs), which SiVEST are planning on submitting on Friday 07 February 2020. You will receive a notification regarding the availability of the DBARs, once they have been submitted.</p> <p>I trust you will find everything is in order.</p> <p>Please do not hesitate to contact us should there be any issues or should you have any queries in this regard.</p> <hr/> <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 03 February 2020</u></b></p> <p>Pleasure Mr Geeringh. Please do not hesitate to contact us should there be any issues or should you have any queries in this regard.</p> |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**2. Communication Related Comments / Issues**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Good morning,</p> <p>With regards to the section 38 development application process, only developments that are applied for in terms of section 38(1) of the NRHA require that the relevant Heritage Resources Authority is notified at the earliest phase via a NID document. HWC has a form, however, if an application to SAHRA is submitted via SAHRIS, the SAHRIS application acts as a NID document. Other documents such as project motivation and map etc. can be uploaded as additional documents.</p> <p>If the application is being conducted in terms of section 38(8) of the NHRA, then no NID is required as 38(1) does not apply when a 38(8) process is undertaken. Here we require the BID or announcement letter, the draft BAR and appendices, or the draft scoping with appendices, and draft EIA with appendices to provide comments.</p> <p>With regards to the Northern Cape Provincial Heritage Resources Authority (<a href="http://www.nbkb.org.za/">http://www.nbkb.org.za/</a>), the NCPHRA does not have the authority to provide comments on section 38 application with the exception that if a structure as defined and protected by section 34 is impacted, then the NCPHRA must be consulted for comments. All section 38(1) and 38(8) cases for the Northern Cape are processed by SAHRA via SAHRIS.</p> <p>The Eastern Cape Provincial Heritage Resources Authority has been assessed to be competent to perform all function of the NHRA and therefore all section 38(1) and 38(8) application in the EC are processed by the ECPHRA. They do not use SAHRIS and must be contacted directly. Please see the contact details for Sello Mokhanya (<a href="mailto:smokhanya@ecphra.org.za">smokhanya@ecphra.org.za</a>).</p> <p>I hope this is helpful.</p> | <p>Natasha Higgitt<br/>Heritage Officer: Archaeology,<br/>Palaeontology and Meteorites<br/>(APM) Unit<br/>South African Heritage<br/>Resources Agency (SAHRA)<br/>Email: 07 June 2019</p> | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 07 June 2019</u></b></p> <p>Good Afternoon Ms/Mrs Higgitt,</p> <p>Thank you very much for your response.</p> <p>The information provided in the email below is noted and greatly appreciated. We will proceed as suggested.</p> <p>Thank you very much for your assistance. This has been very helpful.</p> |
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>I would like to register as an I&amp;AP for the projects around the Noupoort-Middelburg area.</p> <p>I'm a local from the area and a SMME owner.</p> <p>For both the wind energy and the solar energy projects. Hear from you soon.</p>                                  | <p>Alfranco Smit<br/>Interested and/or Affected party<br/>(I&amp;AP)<br/>Email: 09 September 2019</p>                                                              | <p><b><u>Response from Hlengiwe Ntuli (SiVEST) via email on 09 September 2019</u></b><br/>Thank you so much for your email Alfranco.</p> <p>We will add you to the Umsobomvu database and you will receive all correspondence pertaining to the projects.</p> <p><b><u>Stephan Jacobs – Environmental Assessment Practitioner (EAP), SiVEST</u></b><br/>Mr. Smit was added to the project database, as requested. Please refer to <b>Appendix 7F</b> of the DBAR for a copy of the entire project database.</p>                                                                                                                                                                                                                                                                                                                     |
| <p>Please can you add G7 as an I&amp;AP to the following EIAs I&amp;AP database:<br/>Umsobomvu PV and Grid and Aletta WEF Amendment.</p> <p>You can put me down as the contact person with the email address <a href="mailto:eia_g7energies.com">eia_g7energies.com</a></p> | <p>Veronique Fyfe<br/>Interested and/or Affected party<br/>(I&amp;AP)<br/>Project Manager<br/>G7 Renewable Energies (Pty)<br/>Ltd<br/>Email: 10 September 2019</p> | <p><b><u>Response from Hlengiwe Ntuli (SiVEST) via email on 11 September 2019</u></b><br/>Thank you for your email. I'll add you as requested.</p> <p><b><u>Stephan Jacobs – Environmental Assessment Practitioner (EAP), SiVEST</u></b><br/>Veronique Fyfe was added to the project database, as requested. Please refer to <b>Appendix 7F</b> of the DBAR for a copy of the entire project database.</p>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Dear Miss Hlengiwe</p> <p>I am Belinda from Noupoort I would like to ask for any kind of job in this project that you will do in Noupoort, my company name is Inan Inkosi trading, I will be very happy to get your response.</p> <p>Kind regards</p> <p>Belinda</p>     | <p>Belinda Maliti<br/>Interested and/or Affected party<br/>(I&amp;AP)<br/>Director<br/>Inan Inkosi Trading<br/>Emails: 18 and 21 January 2020</p>                  | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 21 January 2020</u></b><br/>Good Morning Belinda,</p> <p>Thank you very much for your email.</p> <p>Please be advised that SiVEST were appointed as the Independent Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment (EIA) processes for these projects only. This means that we are only responsible for undertaking the environmental studies and for obtaining a license (referred to as an Environmental Authorisation - EA) from the National Department of Environment, Forestry and Fisheries (DEFF) to allow the developers to construct and operate these projects. SiVEST are not involved in the actual construction or operation of the projects and thus can unfortunately not assist with potential jobs.</p> |

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>Also, it might be another 2 or 3 years until they start constructing these projects, should they receive their authorisations from the DEFF and should they be successful in their “bidding” process (if projects are selected as preferred bidders in the next “bid Window”). South Africa has a national renewable energy programme where all renewable energy developers need to “Bid” their projects that have received environmental authorisation (sort of like a tender process). The developers have to get all their licenses, permits etc. in order and then bid their projects during a “Bid Window”. Once the developers have “bid” their projects, the government chooses “preferred bidders” who’s projects can go forth. The developers will then need to go and get investors to invest in the projects. Only then can they look at starting construction. This is a rather long process and can take anywhere between a year or 2 (or longer) to happen. Please be aware that should the projects not be selected as “preferred bidders” then they will most likely not be constructed.</p> <p>We will however add your company to our project databases (for the respective solar projects) so that you can be kept informed regarding the status of the projects. Please can you kindly provide me with the following information:</p> <ul style="list-style-type: none"><li>▪ Full Name;</li><li>▪ Company;</li><li>▪ Role at company (i.e. CEO, Manager etc.);</li><li>▪ Email Address (we will make use of belindamaliti gmail.com);</li><li>▪ Postal or Residential Address; and</li><li>▪ Telephone number / Cellphone number.</li></ul> <p>We will send our databases to the developer for these projects so that they can inform the necessary people about job opportunities closer to the time, should these projects be chosen as “preferred bidders” and construction goes ahead.</p> |
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                            | <p>I hope this information helps.</p> <p>Please do not hesitate to contact us should you have any other queries in this regard or should you require any other information.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>Dear sir</p> <p>My name is Belinda Maliti, my company name is Inan Inkosi Trading, reg no 2014/178165/07, I am the director of the company. My address: 237 Klipheuvel, Noupoort, 5950, Cell number 0659138823</p> <p>Kind regards<br/>Belinda</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                            | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 21 January 2020</u></b><br/>Hi Belinda,</p> <p>Noted, thank you very much for providing us with this information. We will make sure that you are added to the relevant project databases and that you receive all project information going forward.</p> <p><b><u>Stephan Jacobs – Environmental Assessment Practitioner (EAP), SiVEST</u></b><br/>Belinda Maliti was added to the project database, as requested. Please refer to <b>Appendix 7F</b> of the DBAR for a copy of the entire project database.</p>                                                                                                                                                  |
| <p>Thank you for your assistance.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>3. Heritage Related Comments / Issues</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>Good morning,</p> <p>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: <a href="http://sahra.org.za/sahris/">http://sahra.org.za/sahris/</a>. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.</p> <p>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.</p> | <p>Natasha Higgitt<br/>Heritage Officer: Archaeology, Palaeontology and Meteorites Unit<br/>South African Heritage Resources Agency (SAHRA)<br/>Email: 29 January 2020</p> | <p><b><u>Response from Stephan Jacobs (SiVEST) via email on 30 January 2020</u></b><br/>Good Morning Natasha,</p> <p>I trust you are well.</p> <p>The email below refers.</p> <p>Please be advised that SiVEST will create the relevant case applications via the South African Heritage Resources Information System (SAHRIS) once the respective Draft Basic Assessment Reports (DBARs) and Application Forms have been submitted to the competent authority (namely the Department of Environment, Forestry and Fisheries - DEFF). SiVEST will upload all relevant documentation and will also ensure that the status of the cases is changed from DRAFT to SUBMITTED. SiVEST will notify you once this has been done.</p> |

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.

We thank you for your feedback in this regard. Please do not hesitate to contact us should there be any issues in this regard.







**Appendix 7F**  
**I&AP Database**



**ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THREE SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES**

BA Phase I&AP Database

February 2020

| First Name    | Last Name    | Company                                                           |
|---------------|--------------|-------------------------------------------------------------------|
| Nicole        | Abrahams     | SANRAL                                                            |
| Vuyeka        | Banisi       | Chris Hani District Municipality                                  |
| Vuyisile      | Bene         |                                                                   |
| Nomandla      | Bloem        | Department of Agriculture, Land Reform & Rural Development        |
| Jonathan      | Booth        | Birdlife South Africa, Biodiversity Conservation                  |
| Thoko         | Buthelezi    | Dept of Agriculture, Forestry & Fisheries                         |
| Biodiversity  | Conservation | Department of Environmental Affairs                               |
| Anel          | Croucamp     | Agri SA-Eastern Cape                                              |
| Monde         | Desha        |                                                                   |
| Neil          | Erasmus      | Leeuw Hoek 61 Ptn 7                                               |
| Abbott        | Erasmus      | Paarde Valley 62 Ptn 2                                            |
| Sam           | Fiff         | Transnet Freight Rail (Jhb)                                       |
| Brian         | Fisher       | Dept of Environment and Nature Conservation                       |
| Veronique     | Fyfe         | G7 Energies                                                       |
| John          | Geeringh     | Eskom: Transmission                                               |
| Faunty        | Gillmer      | Wonder Heuvel 140 Ptn 2 & 4                                       |
| Morgan        | Griffiths    | WESSA: National                                                   |
| Dominic       | Henry        | Endangered Wildlife Trust                                         |
| Natasha       | Higgitt      | South African Heritage Resources Agency                           |
| Phillip       | Hine         | SAHRA                                                             |
| Zamile        | Kalako       | EC Department of Roads & Public Works                             |
| Bolekwa       | Kama         | Department of Water and Sanitation                                |
| Andries       | Keun         | Noupoort Boerevereniging                                          |
| Colin Douglas | Kingwill     | September Kraal 63                                                |
| Johan         | Koegelenberg | SENTECH                                                           |
| Stephnie      | Kot          | African Clean Energy Developments (ACED)                          |
| Rosie         | L            |                                                                   |
| Lourens       | Leeuwner     | EWT                                                               |
| Seoka         | Lekota       | Department of Environmental Affairs                               |
| Ian           | Little       | EWT                                                               |
| Mxolisi       | Malgas       | Department of Agriculture, Forestry and Fisheries (DAFF)          |
| Belinda       | Maliti       |                                                                   |
| Jacoline      | Mans         | Department of Agriculture, Forestry & Fisheries                   |
| Mashudu       | Marubini     | DAFF Provincial Department                                        |
| Charlotte     | Mashiloane   | Umsobomvu Youth Fund                                              |
| Simphiwe      | Masilela     | Air Traffic Navigation Services                                   |
| Sharlene      | Matthews     | Agri Eastern Cape                                                 |
| Mzolisi       | Matutu       | Department of Sport, Recreation, Arts and Culture                 |
| Ayabonga      | Mavisiwe     | Inxuba Yethemba Municipality                                      |
| Africa        | Maxongo      | ECPHRA                                                            |
| Sibonelo      | Mbanjwa      | Dept of Agriculture, Land Reform, Conservation and Environment    |
| Vuyokazi      | Mbanjwa      | EC Department of Roads & Public Works                             |
| Nondwe        | Mdekazi      | Dept of Economic Development, Env Affairs & Tourism               |
| Sello         | Mokhanya     | Eastern Cape Provincial Heritage Resource Authority               |
| Lerato        | Mokhoantle   | Department of Water & Sanitation                                  |
| Lungi         | Mondela      | Department of Mineral Resources (DMR) - NC                        |
| Graham        | Mondzinger   | Air Traffic Navigation Services                                   |
| Ezekiel       | Monyamane    | Transnet Freight Rail                                             |
| Johanna       | Morobane     | Air Traffic Navigation Services                                   |
| Serame        | Motlhake     | SENTECH                                                           |
| Amos          | Mpela        | Umsobomvu Local Municipality                                      |
| Q             | Mpotulo      | Chris Hani District Municipality                                  |
| Thulani       | Msali        |                                                                   |
| XW            | Msweli       | Inxuba Yethemba Municipality                                      |
| Thulani       | Mthombeni    | NC Dept of Environment and Nature Conservation                    |
| Henning       | Myburg       | Agri SA: Northern Cape                                            |
| Andile        | Nduna        | Department of Sport, Recreation, Arts and Culture                 |
| Ilze          | Nel          | Minnaar & De Kok Attorneys                                        |
| Andre         | Neser        | Klip Krands 60 Ptn 1                                              |
| Cira          | Ngetu        | EC Department of Economic Developmet Environmen Affairs & Tourism |

|                  |                 |                                                            |
|------------------|-----------------|------------------------------------------------------------|
| Sonwabile        | Nkondeshe       | Pixley Ka Seme District Municipality                       |
| Noluvuyo         | Nqeno           | Department of Agriculture, Land Reform & Rural Development |
| Ihlaam           | Peters          | Telkom SA (Ltd)                                            |
| Eustacia         | Phillis         | Inxuba Yethemba Municipality                               |
| R.E.             | Pieterse        | Pixley Ka Seme District Municipality                       |
| Fundiswa         | Qumba           | Umsobomvu Local Municipality                               |
| Samantha         | Ralston-Paton   | BirdLife South Africa                                      |
| Jaco             | Roelofse        | NC Department of Roads & Public Works                      |
| Reyana           | Sallie          | Transnet Freight Rail                                      |
| Ada              | Sammy           | Inxuba Yethemba Local Municipality                         |
| Mzimkhulu Albert | Sestile         | Umsobomvu Local Municipality                               |
| Sherina          | Shawe           | Leads 2 Business                                           |
| Justice          | Sithole         | Open Serve (Telkom)                                        |
| Alfranzo         | Smit            | RIEVE SURVEYS (pty ltd)                                    |
| Nenekazi         | Songxaba        | SANRAL - Southern Region                                   |
| PG               | Steyn           | Klip Krands 60 Ptn 3 & 4                                   |
| Lizell           | Stroh           | SA Civil Aviation Authority                                |
| Pieter           | Swart           | Department of Mineral Resources                            |
| Sarel David      | Theron          | Zaay Fontein 65 REM                                        |
| Andrew           | Timothy         | SAHRA (Northern Cape)                                      |
| Adriaan          | Tiplady         | Square Kilometre Array                                     |
| A                | Topham          | Department of Sport, Arts & Culture                        |
| Marais           | Trust           | Zaay Fontein 65 Ptn 2                                      |
| Stanley          | Tshitwamulomoni | Department of Environmental Affairs                        |
| N                | Twalo           | Inxuba Yethemba Municipality                               |
| Zimkita          | Tyala           | Department of Mineral Resources (DMR) - EC                 |
| Heleen           | van den Heever  | Telkom (SA) Ltd                                            |
| Jacobus Andries  | van der Merwe   | Elands Heuvel 113 Ptn 1                                    |
| Vivian           | van der Merwe   | Elands Kloof 135 REM & Leuwe Kop 120 REM                   |
| Lindo            | Van der Merwe   | Noupoort Boerevereniging                                   |
| Denver           | Van Heeden      | Dept of Environment and Nature Conservation                |
| Philip           | van Lingen      | Wonder Heuvel 140 Ptn 1 & Mooi Plaats 122 REM              |
| Sibongile        | Victor          |                                                            |
| Hendrina         | Vorster         | Umsobomvu Local Municipality                               |



## **Appendix 7G**

### **Minutes of Meetings**

- To be included in FBAR





## **Appendix 7H**

# **Landowner Notifications**





U verwysing:

Ons verwysing: 15324 Umsobomvu Grid

Datum: 24 anuarie 2020

Geagte Grondeienaar,

## **KENNISGEWING VAN BASIESE EVALUERINGSPROSESSE (BE-PROSESSE) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS, WONDERHUEVEL EN PAARDE VALLEY OP PERSEEL ESKOM SUBSTASIES, ESKOM VERSAMELAAR SUBSTASIES EN GEASSOSIEERDE 132KV KRAGLYNE NABY NOUPOORT EN MIDDELBURG IN DIE NOORD- EN OOS-KAAPPROVINSIES**

- **MOOI PLAATS SUBSTASIES EN KRAGLYN – (DO-verw. No.: Moet nog aangekondig word)**
- **WONDERHEUVEL SUBSTASIES EN KRAGLYN – (DO-verw. No.: Moet nog aangekondig word)**
- **PAARDE VALLEY SUBSTASIES EN KRAGLYN – (DO-verw. No.: Moet nog aangekondig word)**

As 'n geïdentifiseerde belanghebbende, stel ons u graag in kennis van die Basiese Evaluering (BE's) wat tans aan die gang is vir die beoogde ontwikkeling van die Mooi Plaats, Wonderheuvel en Paarde Valley Op Perseel Eskom Substasies, Eskom Versamelaar Substasies en geassosieerde 132kV Kraglyne as deel van die groter Umsobomvu FV-projek naby Noupoot en Middelburg in Suid-Afrika se Noord- en Oos-Kaapprovinsies. Die drie (3) voorgestelde substasie en kraglynontwikkelings sal die Mooi Plaats, Wonderheuvel en Paarde Valley Substasies en Kraglyne heet. Hierdie brief dien om alle grondeienaars en/of okkupeerders van die grond waarop die ontwikkelings beoog word, sowel as alle aangrensende grondeienaars en/of okkupeerders, te verwittig en in kennis te stel van die BE-prosesse.

Ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA), soos gewysig, en die Regulasies op Omgewingsimpakevaluering (OIE-regulasies), kragtens Staatskennisgewing R982, R983, R984 en R985 (soos gewysig), geskied kennis hiermee dat SiVEST SA (Edms.) Bpk. aangestel is as die onafhanklike Omgewingsevalueringpraktisyn (OEP) om die nodige BE- en Openbare Deelnameprosesse vir die onderstaande ontwikkelings te onderneem wat by die Nasionale Departement van Omgewingsake (DO) ingedien moet word vir besluitneming.

### **AGTERGROND & BESKRYWING VAN PROJEK**

Soos genoem, die op perseel Eskom substasies, Eskom versamelaar substasies en die geassosieerde 132kV kraglyne vorm deel van die groter Umsobomvu FV-projek. Daarbenewens word drie (3) aangrensende FV-sonkragaanlegte ook voorgestel as deel van die groter Umsobomvu PV-projek. Die voorgestelde ontwikkelings (FV-sonkragaanlegte en substasie en kraglynontwikkelings) wat deel vorm van die groter Umsobomvu FV-projek, sluit die volgende in:

- Mooi Plaats FV-sonkragaanleg - **DO-verw. No.:** 14/12/16/3/3/2/1134 (deel van die afsonderlike deurlopende BE-proses);
- Wonderheuvel FV-sonkragaanleg - **DO-verw. No.:** 14/12/16/3/3/2/1135 (deel van die afsonderlike deurlopende BE-proses);

- Paarde Valley FV-sonkragaanleg - **DO-verw. No.:** 14/12/16/3/3/2/1136 (deel van die afsonderlike deurlopende BE-proses);
- Mooi Plaats Substasies en Kraglyn - **DO-verw. No.:** Moet nog aangekondig word;
- Wonderheuvel Substasies en Kraglyn – **DO-verw. No.:** Moet nog aangekondig word; en
- Paarde Valley Substasies en Kraglyn – **DO-verw. No.:** Moet nog aangekondig word.

Ter ondersteuning van die behoefte om oplossings vir die huidige elektrisiteitstekorte en die groeiende vraag na energie te kry, asook die behoefte om meer volhoubare en omgewingsvriendelike kragbronne te kry, het Suid-Afrika 'n infrastruktuurgroei-program van stapel gestuur wat deur verskeie regeringsinisiatiewe gesteun word. In antwoord op hierdie doelwit, word drie (3) aangrensende FV-sonkragaanlegte en substasie en kraglynontwikkelings naby Noupoot en Middelburg in die Noord- en Oos-Kaapprovinsies beoog. Die uiteindelijke doelwit van die beoogde substasie en kraglynontwikkelings is om die elektrisiteit wat deur die onderskeie FV-sonkragaanlegte (hierbo gelys) opgewek word, by die nasionale kragnet in te voer.

## **PROJEKLIIGINGS**

Die drie (3) substasie en kraglynontwikkelings is sowat 18 km suidwes van Noupoot in die Noord-Kaap, en sowat 21 km noordwes van Middelburg in die Oos-Kaapprovinsie geleë. Die Wonderheuvel en Paarde Valley substasie en kraglynontwikkelings is in beide die Umsobomvu- en Inxuba Yethemba Plaaslike Munisipaliteite, in die Pixley ka Seme- en Chris Hani-distriksmunisipaliteite in die Noordelike en Oos-Kaap Provinsies geleë. Die Mooi Plaats substasie en kraglynontwikkeling is egter slegs in die Umsobomvu Plaaslike Munisipaliteit, in die Pixley ka Seme Distriksmunisipaliteit van die Oos-Kaapprovinsie geleë. Die voorgestelde projekte sluit die volgende plase / eiendomme in (d.w.s. plase / eiendomme wat direk geraak word):

| <b>Mooi Plaats Substasies en Kraglyn</b>       |                                           |
|------------------------------------------------|-------------------------------------------|
| Gedeelte 3 van die plaas Wonder Heuvel No. 140 | Restant van die plaas Mooi Plaats No. 121 |
| Gedeelte 1 van die plaas Leuwe Kop No. 120     | Gedeelte 6 van die plaas Uit icht No. 3   |
| Gedeelte 7 van die plaas Uit icht No. 3        | Gedeelte 8 van die plaas Uit icht No. 3   |

| <b>Wonderheuvel Substasies en Kraglyn</b>       |                                                |
|-------------------------------------------------|------------------------------------------------|
| Gedeelte 1 van die plaas Uit icht No. 3         | Gedeelte 6 van die plaas Uit icht No. 3        |
| Gedeelte 7 van die plaas Uit icht No. 3         | Gedeelte 8 van die plaas Uit icht No. 3        |
| Restant van die plaas Uit icht No. 3            | Gedeelte 1 van die plaas Leuwe Kop No. 120     |
| Restant van die plaas Mooi Plaats No. 121       | Gedeelte 3 van die plaas Wonder Heuvel No. 140 |
| Gedeelte 5 van die plaas Holle Fountain No. 133 | Gedeelte 2 van die plaas Paarde Valley No. 62  |
| Gedeelte 4 van die plaas Leeuw Hoek No. 61      | Gedeelte 6 van die plaas Leeuw Hoek No. 61     |
| Gedeelte 7 van die plaas Leeuw Hoek No. 61      | Restant van die plaas Leeuw Hoek No. 61        |

| <b>Paarde Valley Substasies en Kraglyn</b> |                                           |
|--------------------------------------------|-------------------------------------------|
| Gedeelte 1 van die plaas Uit icht No. 3    | Gedeelte 6 van die plaas Uit icht No. 3   |
| Gedeelte 7 van die plaas Uit icht No. 3    | Gedeelte 8 van die plaas Uit icht No. 3   |
| Restant van die plaas Uit icht No. 3       | Restant van die plaas Mooi Plaats No. 121 |

**Mooi Plaats Solar Power (Edms.) Bpk. / Wonderheuvel Solar Power (Edms.) Bpk. / Paarde Valley Solar Power (Edms.) Bpk.**  
15324 – Umsobomvu Grid BAs – LO Notification Letter

24 anuary 2020

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|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| Gedeelte 3 van die plaas Wonder Heuvel No. 140 | Gedeelte 5 van die plaas Holle Fountain No. 133 |
| Gedeelte 2 van die plaas Paarde Valley No. 62  | Gedeelte 4 van die plaas Leeuw Hoek No. 61      |
| Gedeelte 6 van die plaas Leeuw Hoek No. 61     | Gedeelte 7 van die plaas Leeuw Hoek No. 61      |
| Restant van die plaas Leeuw Hoek No. 61        |                                                 |

As 'n direk **Geaffekteerde** of **Naburige Grondeienaar**, versoek ons hiermee dat u ons voorsien met die besonderhede van alle mense wat op u grond woon, dit huur of bestuur (naam, selfoonnommer, pos- en/of e-posadres), sodat ons kan verseker dat alle potensiële Belangstellende en/of Geaffekteerde Partye (B&GP's) op ons onderskeie projekdatabasisse ingesluit is. Ons versoek vriendelik dat u die verlangde besonderhede teen sluitingstyd op **Vrydag 31 Januarie 2020**, aan SiVEST stuur volgens die besonderhede hieronder.

**Hlengiwe Ntuli of Stephan Jacobs**

SiVEST Environmental  
 Posbus 2921  
 RIVONIA  
 2128

Tel: 011 798 0600

Faks: 011 803 7272

Webwerf: [www.sivest.co.a](http://www.sivest.co.a)

E-pos: [hlengiwen@sivest.co.a](mailto:hlengiwen@sivest.co.a) / [stephanj@sivest.co.a](mailto:stephanj@sivest.co.a) / [sivestppp@sivest.co.a](mailto:sivestppp@sivest.co.a)

Die uwe



Stephan Jacobs  
 Omgewingskonsultant  
**SiVEST Environmental**

Your reference:

Our reference: 15324 - Umsobomvu Grid

Date: 24 January 2020

Dear Landowner,

## **NOTIFICATION OF BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS, WONDERHUEVEL AND PAARDE VALLEY ON-SITE ESKOM SUBSTATIONS, ESKOM COLLECTOR SUBSTATIONS AND ASSOCIATED 132KV POWER LINES NEAR NOUPOORT AND MIDDELBURG IN THE NORTHERN AND EASTERN CAPE PROVINCES**

- **MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)**
- **WONDERHUEVEL GRID – (DEA Ref No.: To be Allocated)**
- **PAARDE VALLEY GRID – (DEA Ref No.: To be Announced)**

As an identified stakeholder, we wish to notify you of the Basic Assessments (BAs) that are currently underway for the proposed development of the Mooi Plaats, Wonderhuevel and Paarde Valley On-site Eskom Substations, Eskom Collector Substations and associated 132kV Power Lines as part of the greater Umsobomvu PV project near Noupoort and Middelburg in the Northern and Eastern Cape Provinces of South Africa. The three (3) proposed grid connection infrastructure developments are referred to as Mooi Plaats Grid, Wonderhuevel Grid and Paarde Valley Grid. This letter serves to inform and notify all landowners and/or occupants of the land where the developments are proposed, as well as all adjacent landowners and/or occupants, of the BA processes.

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 (as amended), notice is hereby given that SiVEST SA (Pty) Ltd has been appointed, as the independent Environmental Assessment Practitioner (EAP), to undertake the required BA and Public Participation Processes (PPP) for the below-mentioned developments to be submitted to the National Department of Environment, Forestry and Fisheries (DEFF) for decision-making.

### **PROJECT BACKGROUND & DESCRIPTION**

As mentioned, the on-site Eskom substations, Eskom collector substations and associated 132kV power lines (namely the grid connection infrastructure projects) form part of the greater Umsobomvu PV project. In addition, three (3) adjacent solar PV energy facilities are also being proposed as part of the greater Umsobomvu PV project. The proposed developments (solar PV and grid) which form part of the greater Umsobomvu PV project include the following:

- Mooi Plaats Solar PV - **DEA Ref No.:** 14/12/16/3/3/2/1134 (part of separate on-going EIA process);
- Wonderhuevel Solar PV - **DEA Ref No.:** 14/12/16/3/3/2/1135 (part of separate on-going EIA process);

- Paarde Valley Solar PV - **DEA Ref No.:** 14/12/16/3/3/2/1136 (part of separate on-going EIA process);
- Mooi Plaats Grid - **DEA Ref No.:** To be Allocated;
- Wonderheuvel Grid – **DEA Ref No.:** To be Allocated; and
- Paarde Valley Grid – **DEA Ref No.:** To be Allocated.

In support of the need to find solutions for the current electricity shortages and the increasing demand for energy, as well as the need to find more sustainable and environmentally friendly energy resources, South Africa has embarked on an infrastructure growth programme supported by various government initiatives. In response to this goal, the three (3) adjacent solar PV energy facilities and associated grid connection infrastructure projects (on-site and collector substations and 132kV power lines) near Noupoort and Middelburg in the Northern and Eastern Cape Provinces are being proposed. The overall objective of the proposed grid connection infrastructure projects is to feed the electricity generated by the respective solar PV energy facilities (listed above) into the national grid.

## **PROJECT LOCATIONS**

The three (3) grid connection infrastructure developments are located approximately 18km south-west of Noupoort in the Northern Cape Province, and approximately 21km north-west of Middelburg in the Eastern Cape Province. The Wonderheuvel and Paarde Valley grid connection infrastructure projects are located in both the Umsobomvu and Inxuba Yethemba Local Municipalities, in the Pixley ka Seme and Chris Hani District Municipalities of the Northern and Eastern Cape Provinces respectively. The Mooi Plaats grid connection infrastructure project is however only located in the Umsobomvu Local Municipality, in the Pixley ka Seme District Municipality of the Northern Cape Province. The proposed projects include the following farms / properties (i.e. directly affected farms / properties):

| <b>Mooi Plaats Grid</b>                     |                                           |
|---------------------------------------------|-------------------------------------------|
| Portion 3 of the Farm Wonder Heuvel No. 140 | Remainder of the Farm Mooi Plaats No. 121 |
| Portion 1 of the Farm Leuwe Kop No. 120     | Portion 6 of the Farm Uit icht No. 3      |
| Portion 7 of the Farm Uit icht No. 3        | Portion 8 of the Farm Uit icht No. 3      |

| <b>Wonderheuvel Grid</b>                     |                                             |
|----------------------------------------------|---------------------------------------------|
| Portion 1 of the Farm Uit icht No. 3         | Portion 6 of the Farm Uit icht No. 3        |
| Portion 7 of the Farm Uit icht No. 3         | Portion 8 of the Farm Uit icht No. 3        |
| Remainder of the Farm Uit icht No. 3         | Portion 1 of the Farm Leuwe Kop No. 120     |
| Remainder of the Farm Mooi Plaats No. 121    | Portion 3 of the Farm Wonder Heuvel No. 140 |
| Portion 5 of the Farm Holle Fountain No. 133 | Portion 2 of the Farm Paarde Valley No. 62  |
| Portion 4 of the Farm Leeuw Hoek No. 61      | Portion 6 of the Farm Leeuw Hoek No. 61     |
| Portion 7 of the Farm Leeuw Hoek No. 61      | Remainder of the Farm Leeuw Hoek No. 61     |

| <b>Paarde Valley Grid</b>                   |                                              |
|---------------------------------------------|----------------------------------------------|
| Portion 1 of the Farm Uit icht No. 3        | Portion 6 of the Farm Uit icht No. 3         |
| Portion 7 of the Farm Uit icht No. 3        | Portion 8 of the Farm Uit icht No. 3         |
| Remainder of the Farm Uit icht No. 3        | Remainder of the Farm Mooi Plaats No. 121    |
| Portion 3 of the Farm Wonder Heuvel No. 140 | Portion 5 of the Farm Holle Fountain No. 133 |

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Portion 2 of the Farm Paarde Valley No. 62 | Portion 4 of the Farm Leeuw Hoek No. 61 |
| Portion 6 of the Farm Leeuw Hoek No. 61    | Portion 7 of the Farm Leeuw Hoek No. 61 |
| Remainder of the Farm Leeuw Hoek No. 61    |                                         |

As a directly **Affected** or **Adjacent Landowner**, we hereby request that you provide us with the details of all persons residing on, leasing or managing your land (name, cell phone number, postal address and/or email address), so that we can ensure that all potentially Interested and/or Affected Parties (I&APs) are included on our respective project databases. We kindly request that you send the requested details to SiVEST as per the details below by close of business (COB) on **Friday the 31<sup>st</sup> of January 2020**.

**Hlengiwe Ntuli or Stephan Jacobs**

SiVEST Environmental  
P.O. Box 2921  
RIVONIA  
2128

Tel: (011) 798 0600

Fax: (011) 803 7272

Website: [www.sivest.co.za](http://www.sivest.co.za)

E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) / [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)

Yours sincerely,



Stephan Jacobs  
Environmental Consultant  
**SiVEST Environmental**

| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                                                       | Group Name         | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| 27721927713  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:53 PM | 1/24/2020 4:30:56 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27724252330  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:56 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27790151010  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:58 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27798817800  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:57 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:53 PM | 1/24/2020 4:30:55 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27824279648  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:55 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27825790501  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:55 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27827720410  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:57 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27829030231  | CELL C        | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:54 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |
| 27834552052  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:30:52 PM | 1/24/2020 4:30:55 PM | (should you not have an email address) of you and/or any occupant(s) residing on your land, so that we can send information regarding the projects and involve you in the BA processes. Please forward your email address and/or postal/residential address to Hlengiwe Ntuli at: 060 613 3391. | Umsobomvu Grid BAs | LO Notifications  |

| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                                                                                                                                                                                                 | Group Name         | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| 27721927713  | Vodacom       | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:16 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |
| 27724252330  | Vodacom       | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:14 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |
| 27790151010  | Vodacom       | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:32 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |
| 27798817800  | Vodacom       | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:16 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:13 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |
| 27824279648  | Vodacom       | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:14 PM | SIVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoort and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SIVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications  |



|             |         |         |                      |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                  |
|-------------|---------|---------|----------------------|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| 27825790501 | Vodacom | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:14 PM | SiVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoot and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SiVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications |
| 27827720410 | Vodacom | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:16 PM | SiVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoot and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SiVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications |
| 27829030231 | CELL C  | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:13 PM | SiVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoot and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SiVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications |
| 27834552052 | Vodacom | DELIVRD | 1/24/2020 4:30:00 PM | 1/24/2020 4:30:12 PM | 1/24/2020 4:30:14 PM | SiVEST has been appointed to conduct the BA Assessment (BA) Processes for the proposed development of the Umsobomvu grid connection infrastructure (substations and power lines) near Noupoot and Middelburg, Northern and Eastern Cape Provinces. You have been identified as an adjacent/surrounding landowner for the proposed projects. SiVEST would thus like to please request the email address and/or postal/residential address | Umsobomvu Grid BAs | LO Notifications |

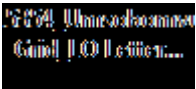
**From:** sivest\_PPP  
**Sent:** 24 January 2020 03:53 PM  
**Cc:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Subject:** 15324 Three Grid Connection Infrastructure projects near Noupoort and Middelburg – Landowner Notification

| Tracking: | Recipient                      | Delivery                       |
|-----------|--------------------------------|--------------------------------|
|           | Stephan Jacobs                 | Delivered: 2020/01/24 03:53 PM |
|           | Liandra Scott-Shaw             | Delivered: 2020/01/24 03:53 PM |
|           | 'Sheldon.vandrey@edf-re.co.za' |                                |
|           | 'Ilze Nel'                     |                                |
|           | 'Andries Keun'                 |                                |
|           | 'Andre Nesor'                  |                                |
|           | 'Colin Douglas Kingwill'       |                                |
|           | 'Faunty Gillmer'               |                                |
|           | 'Abbott Erasmus'               |                                |
|           | 'Philip van Lingen'            |                                |
|           | 'Vivian van der Merwe'         |                                |
|           | 'andre@neserattorneys.co.za'   |                                |
|           | 'n.paardevlei@gmail.com'       |                                |

Dear Landowner,

Please find attached a letter for your attention.

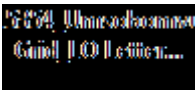
Please do not hesitate to contact us should you have any queries in this regard.



\*\*\*\*\*  
\*\*\*\*\*

Geagte Grondeienaar,

Vind asseblief aangeheg n brief vir u aandag.



Moet asseblief nie huiwer om ons te kontak indien u enige navrae in hierdie verband het nie.

Kind Regards,  
**Stephan Jacobs (B.Sc. (Hons) Environmental Management and Analysis)**  
Environmental Consultant / Visual Specialist  
**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**  
Durban | Johannesburg | Pretoria | Pietermaritzburg | Richards Bay | Port Louis (Mauritius)

| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                   | Group Name         | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| 27721927713  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:53 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27724252330  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:52 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27790151010  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:52 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27798817800  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:54 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:37:13 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27824279648  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:52 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27825790501  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:52 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27827720410  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:54 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27829030231  | CELL C        | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:54 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |
| 27834552052  | Vodacom       | DELIVRD | 1/24/2020 4:32:00 PM | 1/24/2020 4:31:49 PM | 1/24/2020 4:31:52 PM | (sou u nie n e-posadres h nie) en dié van enige okkupeerders wat op u grond woon, sodat ons inligting oor die projekte kan stuur en u by die BE-prosesse kan betrek. Stuur asseblief u e-posadres en/of pos-/woonadres aan Hlengiwe Ntuli by: 060 613 3391. | Umsobomvu Grid BAS | LO Notifications  |

| Phone Number | Network       | Status  | Scheduled Date       | Submitted Date       | Status Date          | Sent Data                                                                                                                                                                                                                                                                                                                                                                 | Group Name         | Group Description |
|--------------|---------------|---------|----------------------|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| 27721927713  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:33 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27724252330  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:29 PM | 1/24/2020 4:31:32 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27790151010  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:29 PM | 1/24/2020 4:31:32 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27798817800  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:29 PM | 1/24/2020 4:31:34 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27815072541  | Telkom Mobile | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:32 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27824279648  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:32 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |
| 27825790501  | Vodacom       | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:32 PM | SiVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoot en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SiVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAS | LO Notifications  |

|             |         |         |                      |                      |                      |                                                                                                                                                                                                                                                                                                                                                                            |                    |                  |
|-------------|---------|---------|----------------------|----------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| 27827720410 | Vodacom | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:34 PM | SIVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoort en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SIVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAs | LO Notifications |
| 27829030231 | CELL C  | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:37 PM | SIVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoort en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SIVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAs | LO Notifications |
| 27834552052 | Vodacom | DELIVRD | 1/24/2020 4:31:00 PM | 1/24/2020 4:31:30 PM | 1/24/2020 4:31:32 PM | SIVEST is aangestel om die Basiese Evalueringsprosesse (BE-prosesse) te onderneem vir die beoogde ontwikkeling van die Umsobomvu substasies en kraglyne naby Noupoort en Middelburg, Noord- en Oos-Kaapprovinsie.<br>U is gedentifiseer as n aangrensende/omliggende grondeienaar vir die beoogde projekte. SIVEST versoek dus asseblief u e-posadres en/of pos-/woonadres | Umsobomvu Grid BAs | LO Notifications |





**Appendix 7I**  
**Distribution to Organs of State**





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

| TITLE                                       | SURNAME   | NAME      | POSITION                                          | POSTAL ADDRESS                                                                  | EMAIL ADDRESS                                                                                                                                  |
|---------------------------------------------|-----------|-----------|---------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INXUBA YETHEMBA LOCAL MUNICIPALITY</b>   |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Mr                                          | Mavisive  | Ayabonga  | Environmental Co-ordinator                        | PO Box 24<br>CRADOCK<br>5880                                                    | <a href="mailto:ayabonga88@gmail.com">ayabonga88@gmail.com</a>                                                                                 |
| Mr                                          | Twalo     | N         | Director: Community Services                      | PO Box 24<br>CRADOCK<br>5880                                                    | <a href="mailto:ntwalo@iym.gov.za">ntwalo@iym.gov.za</a>                                                                                       |
| <b>CHRIS HANI DISTRICT MUNICIPALITY</b>     |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Ms                                          | Banisi    | Vuyeka    | Environmental Co-ordinator                        | Private Bag X20<br>SPRINGBOK<br>8240                                            | <a href="mailto:vbanisi@chrishanidm.gov.za">vbanisi@chrishanidm.gov.za</a>                                                                     |
| Mr                                          | Mpotulo   | Q         | Environmental Co-ordinator                        | Private Bag X20<br>SPRINGBOK<br>8240                                            | <a href="mailto:gmpotulo@chrishanidm.gov.za">gmpotulo@chrishanidm.gov.za</a>                                                                   |
| <b>UMSOBOMVU LOCAL MUNICIPALITY</b>         |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Ms                                          | Qumba     | Fundiswa  |                                                   | Church Street 21A<br>COLESBERG<br>9795                                          | <a href="mailto:qumba@umsobomvumun.co.za">qumba@umsobomvumun.co.za</a><br><a href="mailto:qumbafundiswa@gmail.com">qumbafundiswa@gmail.com</a> |
| Mr                                          | Mpela     | Amos      | Municipal Manager                                 | Church Street 21A<br>COLESBERG<br>9795                                          | <a href="mailto:mpela@umsobomvumun.co.za">mpela@umsobomvumun.co.za</a>                                                                         |
| <b>PIXLEY KA SEME DISTRICT MUNICIPALITY</b> |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Mr                                          | Nkondeshe | Sonwabile |                                                   | Culvert Road, Industrial Area<br>DE AAR<br>7000                                 |                                                                                                                                                |
| <b>AGRI SA-NORTHERN CAPE</b>                |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Mr                                          | Myburg    | Henning   | General Manager                                   | PO Box 1094<br>KIMBERLEY<br>8300                                                | <a href="mailto:henning@agrink.co.za">henning@agrink.co.za</a>                                                                                 |
| <b>AGRI SA-EASTERN CAPE</b>                 |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Ms                                          | Croucamp  | Anel      |                                                   | 17 Mangold Street,<br>Newton Park,<br>PORT ELIZABETH<br>6055                    | <a href="mailto:anel.croucamp@agriec.co.za">anel.croucamp@agriec.co.za</a>                                                                     |
| <b>ATNS</b>                                 |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Ms                                          | Morobane  | Johanna   | Manager: Corporate Sustainability and Environment | Private Bag X15<br>KEMPTON PARK<br>1620                                         | <a href="mailto:JohannaM@atns.co.za">JohannaM@atns.co.za</a>                                                                                   |
| Ms                                          | Masilela  | Simphiwe  | Obstacle Evaluator                                | Private Bag X15<br>KEMPTON PARK<br>1620                                         | <a href="mailto:SimphiweM@atns.co.za">SimphiweM@atns.co.za</a>                                                                                 |
| <b>BIRDLIFE SOUTH AFRICA</b>                |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Mr                                          | Booth     | Jonathan  | Policy Manager                                    | PO Box 515<br>RANDBURG<br>2125                                                  | <a href="mailto:advocacy@birdlife.org.za">advocacy@birdlife.org.za</a>                                                                         |
| Ms                                          | Ralston   | Samantha  |                                                   | PO Box 515<br>RANDBURG<br>2125                                                  |                                                                                                                                                |
| <b>ENDANGERED WILDLIFE TRUST</b>            |           |           |                                                   |                                                                                 |                                                                                                                                                |
| Mr                                          | Little    | Ian       | Senior Manager                                    | Kirstenbosch National Botanical Garden<br>Rhodes Drive<br>Newlands<br>Cape Town | <a href="mailto:ianl@ewt.org.za">ianl@ewt.org.za</a>                                                                                           |

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

| TITLE                                                        | SURNAME    | NAME     | POSITION                              | POSTAL ADDRESS                                                                        | EMAIL ADDRESS                                                                                  |
|--------------------------------------------------------------|------------|----------|---------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Mr                                                           | Leeuwner   | Lourens  | Renewable Energy Project Manager      | Private Bag X11, MODDERFONTEIN 1609                                                   | <a href="mailto:lourensl@ewt.org.za">lourensl@ewt.org.za</a>                                   |
| <b>ESKOM</b>                                                 |            |          |                                       |                                                                                       |                                                                                                |
| Mr                                                           | Geeringh   | John     | Chief Planner                         | PO Box 1091<br>JOHANNESBURG<br>2000                                                   | <a href="mailto:GeerinJH@eskom.co.za">GeerinJH@eskom.co.za</a>                                 |
| <b>DEPARTMENT OF ENVIRONMENTAL AFFAIRS BIODIVERSITY</b>      |            |          |                                       |                                                                                       |                                                                                                |
| Mr                                                           | Lekota     | Seoka    |                                       | Private Bag X447<br>PRETORIA<br>0001                                                  | <a href="mailto:slekota@environment.gov.za">slekota@environment.gov.za</a>                     |
| Mr                                                           | Rabothata  | Mmatlala |                                       | Private Bag X447<br>PRETORIA<br>0001                                                  | <a href="mailto:slekotamrabothata@environment.gov.za">slekotamrabothata@environment.gov.za</a> |
| <b>DEPARTMENT OF WATER AND SANITATION</b>                    |            |          |                                       |                                                                                       |                                                                                                |
| <i>Provincial Department - Northern Cape</i>                 |            |          |                                       |                                                                                       |                                                                                                |
| Ms                                                           | Mokhoantle | Lerato   | Environmental Officer                 | 28 Central road<br>Beaconsfield<br>Kimberley<br>8300                                  | <a href="mailto:Mokhoantle@dws.gov.za">Mokhoantle@dws.gov.za</a>                               |
| <i>Provincial Department - Eastern Cape</i>                  |            |          |                                       |                                                                                       |                                                                                                |
| Ms                                                           | Kama       | Bolekwa  | Director: Institutional Establishment | Private Bag X6041<br>PORT ELIZABETH<br>6000                                           | <a href="mailto:kamab@dws.gov.za">kamab@dws.gov.za</a>                                         |
| <b>DEPARTMENT OF MINERAL RESOURCES (DMR) - NORTHERN CAPE</b> |            |          |                                       |                                                                                       |                                                                                                |
| Mr                                                           | Swart      | Pieter   | Regional Manager                      | 41 Schmidtsdrift street,<br>Telkom Building,<br>KIMBERLEY,<br>8300                    | <a href="mailto:pieter.swart@dmr.gov.za">pieter.swart@dmr.gov.za</a>                           |
| Ms                                                           | Mondela    | Lungi    | Secretary                             | 41 Schmidtsdrift street,<br>Telkom Building,<br>KIMBERLEY,<br>8300                    | <a href="mailto:Lungi.Mondela@dmr.gov.za">Lungi.Mondela@dmr.gov.za</a>                         |
| <b>DEPARTMENT OF MINERAL RESOURCES (DMR) - EASTERN CAPE</b>  |            |          |                                       |                                                                                       |                                                                                                |
| Ms                                                           | Tyala      | Zimkita  |                                       | Pier 14 Building , 444 Govan Mbeki Avenue, North End<br>PORT ELIZABETH<br>6000        | <a href="mailto:Zimkita.Tyala@dmr.gov.za">Zimkita.Tyala@dmr.gov.za</a>                         |
| <b>DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES</b>     |            |          |                                       |                                                                                       |                                                                                                |
| <i>National Department</i>                                   |            |          |                                       |                                                                                       |                                                                                                |
| Ms                                                           | Buthelezi  | Thoko    | AgriLand Liaison Office               | Private Bag X120<br>PRETORIA<br>0001                                                  | <a href="mailto:ThokoB@daff.gov.za">ThokoB@daff.gov.za</a>                                     |
| Ms                                                           | Marubini   | Mashudu  | Delegate of the Minister              | Delpen Building<br>Cnr Annie Botha and Union Street<br>Office 270<br>PRETORIA<br>0001 | <a href="mailto:MashuduMa@daff.gov.za">MashuduMa@daff.gov.za</a>                               |
| <i>Provincial Department - Northern Cape</i>                 |            |          |                                       |                                                                                       |                                                                                                |
| Ms                                                           | Mans       | Jacoline | Chief Forester                        | Koelenhof, 306 Schroder Street<br>UPINGTON<br>8800                                    | <a href="mailto:jacolinema@daff.gov.za">jacolinema@daff.gov.za</a>                             |

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

| TITLE                                                                                          | SURNAME    | NAME     | POSITION                                    | POSTAL ADDRESS                                    | EMAIL ADDRESS                                                                                                                      |
|------------------------------------------------------------------------------------------------|------------|----------|---------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Provincial Department - Eastern Cape</b>                                                    |            |          |                                             |                                                   |                                                                                                                                    |
| Mr                                                                                             | Malgas     | Mxolisi  |                                             | Private bag X0040<br>Bisho<br>5605                | <a href="mailto:MxolisiMa@daff.gov.za">MxolisiMa@daff.gov.za</a>                                                                   |
| <b>NORTHERN CAPE PROVINCIAL DEPARTMENT OF AGRICULTURE, LAND REFORM &amp; RURAL DEVELOPMENT</b> |            |          |                                             |                                                   |                                                                                                                                    |
| Ms                                                                                             | Bloem      | Nomandla | MEC                                         | Private Bag X5018<br>KIMBERLEY<br>8300            | <a href="mailto:premier@ncpg.gov.za">premier@ncpg.gov.za</a>                                                                       |
| Mr                                                                                             | Van Heeden | Denver   | HOD                                         | Private Bag X6010<br>KIMBERLEY<br>8300            | <a href="mailto:vaheeden@ncpg.gov.za">vaheeden@ncpg.gov.za</a>                                                                     |
| <b>EASTERN CAPE PROVINCIAL DEPARTMENT OF AGRICULTURE, LAND REFORM &amp; RURAL DEVELOPMENT</b>  |            |          |                                             |                                                   |                                                                                                                                    |
| Ms                                                                                             | Nqeno      | Noluvuyo | Director                                    | Private Bag X0040<br>BHISHO<br>5606               | <a href="mailto:Nqeno.noluvuyo@gmail.com">Nqeno.noluvuyo@gmail.com</a>                                                             |
| <b>NORTHERN CAPE DEPT OF ENVIRONMENT AND NATURE CONSERVATION</b>                               |            |          |                                             |                                                   |                                                                                                                                    |
| Mr                                                                                             | Fisher     | Brian    | Director Environmental<br>Impact Management | Private Bag X86102<br>KIMBERLEY<br>8300           | <a href="mailto:bfisher@ncpg.gov.za">bfisher@ncpg.gov.za</a>                                                                       |
| Mr                                                                                             | Mthombeni  | Thulani  |                                             | Private Bag X86102<br>KIMBERLEY<br>8300           | <a href="mailto:tmtho@webmail.co.za">tmtho@webmail.co.za</a><br><a href="mailto:tmthombeni@ncpg.gov.za">tmthombeni@ncpg.gov.za</a> |
| <b>EASTERN CAPE DEPT OF ECONOMIC DEVELOPMENT ENVIRONMENTAL AFFAIRS AND TOURISM</b>             |            |          |                                             |                                                   |                                                                                                                                    |
| Ms                                                                                             | Ngetu      | Cira     | Regional Director                           | Block E, Komani Office Park<br>QUEENSTOWN<br>5320 | <a href="mailto:cira.Ngetu@deaet.ecape.gov.za">cira.Ngetu@deaet.ecape.gov.za</a>                                                   |
| Ms                                                                                             | Mdekazi    | Nondwe   |                                             | Block E, Komani Office Park<br>QUEENSTOWN<br>5320 | <a href="mailto:Nondwe.Mdekazi@dedea.gov.za">Nondwe.Mdekazi@dedea.gov.za</a>                                                       |
| <b>NORTHERN CAPE PROVINCIAL DEPT OF SPORT, ARTS &amp; CULTURE: Heritage Resources Unit</b>     |            |          |                                             |                                                   |                                                                                                                                    |
| Mr                                                                                             | Lenyibi    | Patrick  | Manager: Heritage<br>Resources              | Private Bag X5004<br>KIMBERLEY<br>8300            | <a href="mailto:plenyibi@ncpg.gov.za">plenyibi@ncpg.gov.za</a>                                                                     |
| <b>EASTERN CAPE PROVINCIAL DEPT OF SPORT, ARTS &amp; CULTURE: Heritage Resources Unit</b>      |            |          |                                             |                                                   |                                                                                                                                    |
| Mr                                                                                             | Matutu     | Mzolisi  | Head of Department                          | No. 5 Eales Street,<br>KING WILLIAMS TOWN<br>5600 | <a href="mailto:Mzolisi.matutu@ecsrac.gov.za">Mzolisi.matutu@ecsrac.gov.za</a>                                                     |
| <b>NORTHERN CAPE DEPARTMENT OF ROADS AND PUBLIC WORKS</b>                                      |            |          |                                             |                                                   |                                                                                                                                    |
| Mr                                                                                             | Roelofse   | Jaco     | Director: Planning & Design                 | PO Box 3132<br>KIMBERLEY<br>8300                  | <a href="mailto:roelofse.j@vodamail.co.za">roelofse.j@vodamail.co.za</a>                                                           |
| <b>EASTERN CAPE DEPARTMENT OF ROADS AND PUBLIC WORKS</b>                                       |            |          |                                             |                                                   |                                                                                                                                    |
| Ms                                                                                             | Mbanjwa    | Vuyokazi | Communication Services<br>Unit              | Private Bag X0022<br>Bisho<br>5605                | <a href="mailto:Vuyokazi.Mbanjwa@ecdpcw.gov.za">Vuyokazi.Mbanjwa@ecdpcw.gov.za</a>                                                 |
| <b>SANRAL - WESTERN REGION</b>                                                                 |            |          |                                             |                                                   |                                                                                                                                    |
| Ms                                                                                             | Abrahams   | Nicole   | Environmental Coordinator                   | Private Bag X19<br>BELLVILLE<br>7535              | <a href="mailto:abrahamsn@nra.co.za">abrahamsn@nra.co.za</a>                                                                       |
| <b>SANRAL - SOUTHERN REGION</b>                                                                |            |          |                                             |                                                   |                                                                                                                                    |

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

| TITLE                                                      | SURNAME        | NAME     | POSITION                                   | POSTAL ADDRESS                                           | EMAIL ADDRESS                                                                                                                        |
|------------------------------------------------------------|----------------|----------|--------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ms                                                         | Songxaba       | Nenekazi | Environmental Coordinator                  | 20 Shoreward Drive<br>Bay West<br>Port Elizabeth<br>6025 | <a href="mailto:Songxaban@nra.co.za">Songxaban@nra.co.za</a>                                                                         |
| <b>SAHRA: HEAD OFFICE</b>                                  |                |          |                                            |                                                          |                                                                                                                                      |
| Ms                                                         | Higgitt        | Natasha  | Heritage Officer: Northern Cape            | PO Box 4637<br>CAPE TOWN<br>8000                         | <a href="mailto:nhiggitt@sahra.org.za">nhiggitt@sahra.org.za</a>                                                                     |
| <b>EASTERN CAPE PROVINCIAL HERITAGE RESOURCE AUTHORITY</b> |                |          |                                            |                                                          |                                                                                                                                      |
| Mr                                                         | Mokhanya       | Sello    |                                            | 16 Commissioner Street<br>East London<br>5200            | <a href="mailto:smokhanya@ecphra.org.za">smokhanya@ecphra.org.za</a>                                                                 |
| Mr                                                         | Maxongo        | Africa   |                                            | 16 Commissioner Street<br>East London<br>5200            | <a href="mailto:info@ecphra.org.za">info@ecphra.org.za</a>                                                                           |
| <b>SQUARE KILOMETRE ARRAY</b>                              |                |          |                                            |                                                          |                                                                                                                                      |
| Dr                                                         | Tiplady        | Adriaan  | Manager: Site Categorisation               | PO Box 522<br>SAXONWOLD<br>2132                          | <a href="mailto:atiplady@ska.ac.za">atiplady@ska.ac.za</a>                                                                           |
| <b>SA CIVIL AVIATION AUTHORITY (SA CAA)</b>                |                |          |                                            |                                                          |                                                                                                                                      |
| Ms                                                         | Stroh          | Lizell   | Obstacle Specialist                        | Private Bag X73<br>HALFWAY HOUSE<br>1685                 | <a href="mailto:strohl@caa.co.za">strohl@caa.co.za</a>                                                                               |
| <b>SENTECH</b>                                             |                |          |                                            |                                                          |                                                                                                                                      |
| Mr                                                         | Koegelenberg   | Johan    | Broadcast Coverage Planner: RF Networks    | Private Bag X06<br>HONEYDEW<br>2040                      | <a href="mailto:koegelenbergj@sentech.co.za">koegelenbergj@sentech.co.za</a>                                                         |
| Ms                                                         | Pretorius      | Alisha   |                                            | Private Bag X06<br>HONEYDEW<br>2040                      | <a href="mailto:pretoriusa@sentech.co.za">pretoriusa@sentech.co.za</a>                                                               |
| <b>TRANSNET FREIGHT RAIL</b>                               |                |          |                                            |                                                          |                                                                                                                                      |
| Mr                                                         | Fiff           | Sam      | Environmental Manager: Freight Rail        | PO Box 255<br>BLOEMFONTEIN<br>9300                       | <a href="mailto:sam.fiff@transnet.net">sam.fiff@transnet.net</a>                                                                     |
| <b>TELKOM</b>                                              |                |          |                                            |                                                          |                                                                                                                                      |
| Mr                                                         | Thurling       | Keverne  |                                            | 10 Jan Smuts Drive<br>PINELANDS<br>7404                  | <a href="mailto:Thurling@telkom.co.za">Thurling@telkom.co.za</a>                                                                     |
| Mr                                                         | Bester         | Amanda   | Wayleave Officer                           | Private Bag X20700<br>BLOEMFONTEIN<br>9300               | <a href="mailto:WayleaCR@telkom.co.za">WayleaCR@telkom.co.za</a><br><a href="mailto:BesterAD@telkom.co.za">BesterAD@telkom.co.za</a> |
| Ms                                                         | van den Heever | Heleen   | Ops Manager Central Region                 | Private Bag X20700<br>BLOEMFONTEIN<br>9300               | <a href="mailto:vdheevhd@telkom.co.za">vdheevhd@telkom.co.za</a>                                                                     |
| <b>WESSA</b>                                               |                |          |                                            |                                                          |                                                                                                                                      |
| Mr                                                         | Griffiths      | Morgan   | Environmental Governance Programme Manager | PO Box 12444, Centrahill<br>PORT ELIZABETH<br>6006       | <a href="mailto:morgan.griffiths@wessa.co.za">morgan.griffiths@wessa.co.za</a>                                                       |

## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Wednesday, 20 November 2019 4:18 PM  
**To:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Cc:** 'Vivian van der Merwe'; 'Heleen van den Heever'; 'Lindo Van der Merwe'; 'Thulani Mthombeni'; 'Thoko Buthelezi'; 'Stanley Tshitwamulomoni'; 'Sonwabile Nkondeshe'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Fundiswa Qumba'; 'Pieter Swart'; 'Philip van Lingen'; 'Abbott Erasmus'; 'Lizell Stroh'; 'Simphiwe Masilela'; 'Natasha Higgitt'; 'Mmatlala Rabothata'; 'Amos Mpela'; 'Serame Motlhake'; 'Morgan Griffiths'; 'Lerato Mokhoantle'; 'R.E. Pieterse'; 'Mashudu Marubini'; 'Lungi Mondela'; 'Lourens Leeuwner'; 'Johan Koegelenberg'; 'Justice Sithole'; 'Johanna Morobane'; 'Jacoline Mans'; 'Nomandla Bloem'; 'Ihlaam Peters'; 'Ian Little'; 'Henning Myburg'; 'John Geeringh'; 'Sam Fiff'; 'Faunty Gillmer'; 'Ezekiel Monyamane'; 'Samantha Ralston-Paton'; 'Denver Van Heeden'; 'Dominic Henry'; 'Colin Douglas Kingwill'; 'Brian Fisher'; 'A Topham'; 'Adriaan Tiplady'; 'Andre Nesor'; 'Andries Keun'; 'Jonathan Booth'; 'Ilze Nel'; 'Nicole Abrahams'; 'Amanda Bester'; 'Thulani Mthombeni'; 'qumbafundiswa@gmail.com'; 'Ipeleng.Wesi@dmr.gov.za'; 'n.paardevlei@gmail.com'; 'Sitholj@telkom.co.za'; 'Sitholej@telkom.co.za'; 'Ihlaam Peters'; 'Mpho Sebole'; 'Patrick Lenyibi'; 'andre@neserattorneys.co.za'; 'jonathan.booth@birdlife.org.za'  
**Subject:** Mooi Plaats and Wonderheuvel Solar PV Energy Facilities near Noupoort: Focus Group Meeting  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Interested and Affected Party (I&AP) / Stakeholder,

### **ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND BASIC ASSESSMENT (BA) PROCESSES FOR THE PROPOSED DEVELOPMENT OF THE MOOI PLAATS AND WONDERHEUVEL SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE NEAR NOUPOORT IN THE EASTERN CAPE PROVINCE**

- MOOI PLAATS SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS GRID – (DEA Ref No.: To be Allocated)
- WONDERHEUVEL SOLAR PV – (DEA Ref No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL GRID – (DEA Ref No.: To be Allocated)

#### **INVITATION TO FOCUS GROUP MEETING (FGM)**

We would like to take this opportunity to invite you to attend a Focus Group Meeting (FGM) that will be held for the above-mentioned proposed projects on:

| <b>DATE</b>                 | <b>TIME</b>              | <b>PLACE</b>                                                                     |
|-----------------------------|--------------------------|----------------------------------------------------------------------------------|
| Tuesday 26 November<br>2019 | <b>Start time:</b> 14H00 | Noupoort Combined School Hall -<br>Pretorius Street<br>Noupoort<br>Northern Cape |

If possible, we kindly request that you confirm whether you will be attending the meeting on or before **Monday 25 November 2019**, as follows:

**Hlengiwe Ntuli**  
Phone: (011) 798 0600  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
Fax: (011) 803 7272

The purpose of the meeting is to provide a background to the proposed projects and provide you with an opportunity to engage with the project team and ask questions. The purpose of the FGM is outlined in the attached draft agenda.



15324 MP\_WH  
FGM Agenda\_Ve...

Your input into the EIA and BA processes is highly valued as your local knowledge will contribute to ensuring that all environmental aspects have been considered and addressed.

We encourage you to attend and participate in the meeting and thank you in anticipation for your active and meaningful contribution to the EIA and BA processes.

Yours sincerely,

---

Beste Belangstellende en/of Geaffekteerde Party / Belanghebbende,

**OMGEWINGSIMPAKEVALUERINGS (OIE'S) EN BASIESE EVALUERINGS (BE's) VIR DIE BEOOGDE ONTWIKKELING VAN DIE MOOI PLAATS EN WONDERHEUVEL FOTOVOLTAÏESE (FV) SONKRAGAANLEGTE EN VERWANTE INFRASTRUKTUUR NABY NOUPOORT IN DIE NOORD-KAAPPROVINSIE**

- MOOI PLAATS FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1134)
- MOOI PLAATS ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)
- WONDERHEUVEL FV SONKRAGAANLEG – (DO-verw. No.: 14/12/16/3/3/2/1135)
- WONDERHEUVEL ROOSTER – (DO-verw. No.: Moet nog Toegeken Word)

**UITNODIGING NA VERGADERING**

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

| DATUM                       | TYD                    | PLEK                                                                            |
|-----------------------------|------------------------|---------------------------------------------------------------------------------|
| Dinsdag 26 November<br>2019 | <b>Begin om: 14H00</b> | Noupoort Gekombineerde Skoolsaal -<br>Pretoriusstraat<br>Noupoort<br>Noord-Kaap |

Indien moontlik, versoek ons u om te bevestig of u die vergadering sal bywoon op of voor **Maandag 26 November 2019**, soos volg:

**Hlengiwe Ntuli**  
Foon: (011) 798 0600  
E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za)  
Faks: (011) 803 7272

Die doel van die vergadering is om 'n agtergrond vir die voorgestelde projekte te gee en om u die geleentheid te gee om met die projekspan betrokke te raak en vrae te stel. Die doel van die vergadering is vervat in die ingeslote konsep agenda.



15324 MP\_WH  
FGM Agenda\_Ve...

U insette in die OIS- en BE-prosesse word hoog op prys gestel aangesien u plaaslike kennis van die omgewing sal verseker dat alle omgewingsaspekte in ag geneem is en aangespreek is.

Ons moedig u bywoning en deelname by die vergadering aan en dank u byvoorbaat vir u aktiewe en betekenisvolle bydrae tot die OIS- en BE-prosesse.

Vriendelike groete,

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

Environmental Consultant / Visual Specialist

**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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

## Stephan Jacobs

---

**From:** sivest\_PPP  
**Sent:** Tuesday, 28 January 2020 3:44 PM  
**Cc:** Stephan Jacobs; Liandra Scott-Shaw; 'Sheldon.vandrey@edf-re.co.za'  
**Subject:** Umsobomvu Power Lines and Substations near Noupoort and Middelburg – BID Notification

Dear Interested and/or Affected Party (I&AP) / Stakeholder,

Please find attached for your attention.



15324

Umsobomvu Bl...



UMSOBOMVU

SOLAR PV\_GRID...

Please do not hesitate to contact us should you have any queries in this regard.”

\*\*\*\*\*  
\*\*\*\*\*

Geagte Belangstellende en/of Geaffekteerde Party / Belanghebbende,

Vind asseblief aangeheg vir u aandag.



15324

Umsobomvu Bl...



UMSOBOMVU

SOLAR PV\_GRID...

Moet asseblief nie huiwer om ons te kontak indien u enige navrae in hierdie verband het nie.

Kind Regards,

**Stephan Jacobs** (*B.Sc. (Hons) Environmental Management and Analysis*)  
Environmental Consultant / Visual Specialist  
**SIVEST Environmental Division**



*SIVEST is a Level 3 BBBEE Contributor*

**D** +27 11 798 0677 | **T** +27 011 798 0600 **E** [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za) | **W** [www.sivest.co.za](http://www.sivest.co.za)

**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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





**Appendix 8**  
**Draft EMPr**





## **Appendix 9**

# **Additional Information**





## **Appendix 9A**

### **Project Coordinates**



**WONDERHEUVEL GRID CONNECTION  
CENTRE LINE COORDINATES (DD MM SS.sss)**

| <b>CORRIDOR ALTERNATIVE</b>         | <b>START POINT</b> | <b>MIDDLE POINT</b> | <b>END POINT</b> | <b>APPROX LENGTH (KM)</b> |
|-------------------------------------|--------------------|---------------------|------------------|---------------------------|
| Option 1:<br>Northern<br>Connection | S31° 19' 30.350"   | E24° 41' 45.812"    | S31° 21' 20.482" | 19,54                     |
|                                     | E24° 43' 32.719"   | E24° 41' 45.812"    | E24° 49' 16.420" |                           |
| Option 1:<br>Southern<br>Connection | S31° 21' 33.146"   | S31° 25' 51.672"    | S31° 24' 19.199" | 12,12                     |
|                                     | E24° 41' 45.812"   | E24° 42' 27.115"    | E24° 47' 54.649" |                           |
| Option 2                            | S31° 19' 30.350"   | S31° 19' 11.921"    | S31° 21' 20.482" | 18,94                     |
|                                     | E24° 43' 32.719"   | E24° 45' 58.224"    | E24° 49' 16.420" |                           |
| Option 3                            | S31° 21' 43.261"   | S31° 19' 52.522"    | S31° 21' 20.482" | 30,03                     |
|                                     | E24° 40' 17.189"   | E24° 44' 47.268"    | E24° 49' 16.420" |                           |

**WONDERHEUVEL GRID CONNECTION**

**SUBSTATION SITE COORDINATES (DD MM SS.sss)**

**SUBSTATION 3a**

| COORDINATES AT CENTRE POINT (DD MM SS.sss)  |                  |                  |
|---------------------------------------------|------------------|------------------|
| POINT                                       | SOUTH            | EAST             |
| CENTRE                                      | S31° 20' 16.472" | E24° 43' 21.493" |
| COORDINATES AT CORNER POINTS (DD MM SS.sss) |                  |                  |
| POINT                                       | SOUTH            | EAST             |
| SUB3a_01                                    | S31° 20' 13.197" | E24° 43' 17.743" |
| SUB3a_02                                    | S31° 20' 13.332" | E24° 43' 25.398" |
| SUB3a_03                                    | S31° 20' 19.748" | E24° 43' 25.243" |
| SUB3a_04                                    | S31° 20' 19.612" | E24° 43' 17.588" |

**SUBSTATION 3b**

| COORDINATES AT CENTRE POINT (DD MM SS.sss)  |                  |                  |
|---------------------------------------------|------------------|------------------|
| POINT                                       | SOUTH            | EAST             |
| CENTRE                                      | S31° 19' 30.350" | E24° 43' 32.719" |
| COORDINATES AT CORNER POINTS (DD MM SS.sss) |                  |                  |
| POINT                                       | SOUTH            | EAST             |
| SUB3b_01                                    | S31° 19' 27.074" | E24° 43' 28.969" |
| SUB3b_02                                    | S31° 19' 27.210" | E24° 43' 36.623" |
| SUB3b_03                                    | S31° 19' 33.626" | E24° 43' 36.468" |
| SUB3b_04                                    | S31° 19' 33.490" | E24° 43' 28.814" |

**SUBSTATION 4a (CENTRAL COLLECTOR)**

| COORDINATES AT CENTRE POINT (DD MM SS.sss)  |                  |                  |
|---------------------------------------------|------------------|------------------|
| POINT                                       | SOUTH            | EAST             |
| CENTRE                                      | S31° 21' 33.146" | E24° 41' 45.812" |
| COORDINATES AT CORNER POINTS (DD MM SS.sss) |                  |                  |
| POINT                                       | SOUTH            | EAST             |
| SUB4a_01                                    | S31° 21' 29.869" | E24° 41' 42.062" |
| SUB4a_02                                    | S31° 21' 30.007" | E24° 41' 49.718" |
| SUB4a_03                                    | S31° 21' 36.422" | E24° 41' 49.562" |
| SUB4a_04                                    | S31° 21' 36.285" | E24° 41' 41.905" |

**SUBSTATION 4b**

| COORDINATES AT CENTRE POINT (DD MM SS.sss)  |                  |                  |
|---------------------------------------------|------------------|------------------|
| POINT                                       | SOUTH            | EAST             |
| CENTRE                                      | S31° 21' 43.261" | E24° 40' 17.189" |
| COORDINATES AT CORNER POINTS (DD MM SS.sss) |                  |                  |
| POINT                                       | SOUTH            | EAST             |
| SUB4b_01                                    | S31° 21' 39.983" | E24° 40' 13.440" |
| SUB4b_02                                    | S31° 21' 40.122" | E24° 40' 21.096" |
| SUB4b_03                                    | S31° 21' 46.538" | E24° 40' 20.938" |
| SUB4b_04                                    | S31° 21' 46.399" | E24° 40' 13.282" |



**SUBSTATION 1a (NORTHERN COLLECTOR)**

| <b>COORDINATES AT CENTRE POINT (DD MM SS.sss)</b>  |                  |                  |
|----------------------------------------------------|------------------|------------------|
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| CENTRE                                             | S31° 18' 47.922" | E24° 46' 6.243"  |
| <b>COORDINATES AT CORNER POINTS (DD MM SS.sss)</b> |                  |                  |
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| SUB1_01                                            | S31° 18' 44.648" | E24° 46' 2.492"  |
| SUB1_02                                            | S31° 18' 44.781" | E24° 46' 10.145" |
| SUB1_03                                            | S31° 18' 51.197" | E24° 46' 9.994"  |
| SUB1_04                                            | S31° 18' 51.063" | E24° 46' 2.340"  |

**SUBSTATION 1b (NORTHERN COLLECTOR)**

| <b>COORDINATES AT CENTRE POINT (DD MM SS.sss)</b>  |                  |                  |
|----------------------------------------------------|------------------|------------------|
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| CENTRE                                             | S31° 17' 31.955" | E24° 44' 46.681" |
| <b>COORDINATES AT CORNER POINTS (DD MM SS.sss)</b> |                  |                  |
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| SUB2_01                                            | S31° 17' 28.680" | E24° 44' 42.931" |
| SUB2_02                                            | S31° 17' 28.814" | E24° 44' 50.583" |
| SUB2_03                                            | S31° 17' 35.230" | E24° 44' 50.430" |
| SUB2_04                                            | S31° 17' 35.096" | E24° 44' 42.779" |

**SUBSTATION 6a (SOUTHERN COLLECOR)**

| <b>COORDINATES AT CENTRE POINT (DD MM SS.sss)</b>  |                  |                  |
|----------------------------------------------------|------------------|------------------|
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| CENTRE                                             | S31° 25' 23.114" | E24° 41' 28.617" |
| <b>COORDINATES AT CORNER POINTS (DD MM SS.sss)</b> |                  |                  |
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| SUB6a_01                                           | S31° 25' 19.837" | E24° 41' 24.865" |
| SUB6a_02                                           | S31° 25' 19.975" | E24° 41' 32.526" |
| SUB6a_03                                           | S31° 25' 26.391" | E24° 41' 32.369" |
| SUB6a_04                                           | S31° 25' 26.253" | E24° 41' 24.708" |

**SUBSTATION 6b (SOUTHERN COLLECTOR)**

| <b>COORDINATES AT CENTRE POINT (DD MM SS.sss)</b>  |                  |                  |
|----------------------------------------------------|------------------|------------------|
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| CENTRE                                             | S31° 25' 40.798" | E24° 41' 15.091" |
| <b>COORDINATES AT CORNER POINTS (DD MM SS.sss)</b> |                  |                  |
| <b>POINT</b>                                       | <b>SOUTH</b>     | <b>EAST</b>      |
| SUB6b_01                                           | S31° 25' 37.521" | E24° 41' 11.338" |
| SUB6b_02                                           | S31° 25' 37.660" | E24° 41' 19.000" |
| SUB6b_03                                           | S31° 25' 44.075" | E24° 41' 18.843" |
| SUB6b_04                                           | S31° 25' 43.937" | E24° 41' 11.181" |





**Appendix 9B**  
**DEA Pre-App Meeting Minutes**



**PROJECT NAME:** ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE PROPOSED DEVELOPMENT OF THE UMSOBOMVU SOLAR PHOTOVOLTAIC (PV) FACILITIES AND ASSOCIATED GRID INFRASTRUCTURE NEAR NOUPOORT AND MIDDELBURG IN THE EASTERN AND NORTHERN CAPE PROVINCES

**PRE-APP MEETING REF NO.:** 2018-12-0003

**PROJECT NO:** 15324

**DESCRIPTION:** PRE-APPLCIATION MEETING WITH DEPARTMENT OF ENVIRONMENTAL AFFAIRS (DEA)

**VENUE:** ENVIRONMENT HOUSE, 473 STEVE BIKO ROAD, ARCADIA, PRETORIA

**DATE AND TIME:** TUESDAY, 19 FEBRUARY 2019 AT 10H00

| Representative   | Company / Designation                                                                                 | ID | Tel          | Email                        |
|------------------|-------------------------------------------------------------------------------------------------------|----|--------------|------------------------------|
| Andrea Gibb      | SiVEST SA (Pty) Ltd (SiVEST) – Divisional Manager                                                     | AG | 011 798 0600 | andrea@sivist.co. a          |
| Stephan Jacobs   | SiVEST – Environmental Consultant                                                                     | S  | 011 798 0600 | stephanj@sivist.co. a        |
| Sheldon Vandrey  | EDF Renewables (Pty) Ltd (EDF) – Development Project Manager                                          | SV | 041 506 4900 | sheldon.vandrey@edf-re.co. a |
| Muhammad Essop   | Department of Environmental Affairs (DEA) – Assistant Director: Strategic Infrastructure Developments | ME | 012 399 9406 | messop@environment.gov. a    |
| Coenrad Agenbach | DEA – Deputy Director: Integrated Environmental Authorisations                                        | CA | 012 399 9403 | cagenbach@environment.gov. a |
| Thabile Sangweni | DEA – Reviewer                                                                                        | TS | 012 399 9409 | tsangweni@environment.gov. a |
| Mmamohale Kabasa | DEA – Reviewer                                                                                        | MK | 012 399 9420 | mkabasa@environment.gov. a   |
| Pfano Nengud a   | DEA – Learner                                                                                         | PN | 012 399 8985 | pnengud a@environment.gov. a |

**APOLOGIES:**

None

**FINAL MEETING MINUTES:**

| ITEM NO.            | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACTION |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Introduction</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| 1.                  | All representatives from SiVEST (appointed environmental assessment practitioner - EAP), the DEA and EDF (the applicant) introduced themselves.                                                                                                                                                                                                                                                                                                           | N/A    |
| 2.                  | S provided an overview of the project, including the grid connection infrastructure alternatives and the location. It was noted that EDF are proposing to develop three (3) adjacent solar photovoltaic (PV) facilities, comprising of two (2) PV arrays each. The location of the proposed facilities and the grid infrastructure were presented and it was explained that two (2) of the solar PV facilities (Mooi Plaats and Wonderheuvel) are located | N/A    |

| ITEM NO.                              | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ACTION       |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                       | within the Umsobomvu Local Municipality in the Northern Cape near Noupoot and one (1) of the proposed solar PV facilities is located within the Inxuba Yethemba Local Municipality in the Eastern Cape near Middelburg. The grid infrastructure alternatives traverse both the Northern and Eastern Cape Provinces.                                                                                                                                                                                                                            |              |
| <b>Solar PV Facilities</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| 3.                                    | S noted that the intended process is to submit three (3) applications - one for each PV facility covering 2 x PV arrays and associated grid infrastructure. Post environmental authorisation (EA) the intention would be to split the grid infrastructure from the solar PV facilities (to allow hand over to Eskom) and separate each solar PV project into two (2) PV facilities.                                                                                                                                                            | N/A          |
| 4.                                    | SV added that EDF intend to have three (3) projects ready for the REIPPPP round 6 Bid window and each solar PV project would be split (after the round 6 bid window) to allow for a further three (3) projects to be Bid in round 7.                                                                                                                                                                                                                                                                                                           | N/A          |
| 5.                                    | ME questioned the intended process and suggested that six (6) applications should be made for the solar PV projects. He added that if three (3) applications were submitted they would be reviewed in their entirety and therefore if environmental issues are identified for part of the project this would influence the entire application and EA could be refused. The same issue would occur if there was an appeal or objection related to part of the project.                                                                          | N/A          |
| 6.                                    | ME explained that a Part 2 Amendment would be required to split the projects and that this is a 197-day process that take over six (6) months to complete. The process results in duplication as additional reports need to be compiled and made available for public review and comment. This process will also put the project at risk as an appeal against the amendment application decision would suspend the EA. The appeal process takes a minimum of ninety (90) days, which could prevent the projects from reaching financial close. | N/A          |
| 7.                                    | CA added that Part 2 Amendment processes required to split projects into various components are complicated processes that require additional public participation and could result in appeals.                                                                                                                                                                                                                                                                                                                                                | N/A          |
| 8.                                    | SV noted that the suggested approach of six (6) applications for the solar PV facilities and confirmed that he would take this recommendation forward to the management at EDF.                                                                                                                                                                                                                                                                                                                                                                | SV           |
| 9.                                    | S noted that the proposed application sites for the Mooi Plaats and Wonderheuveld solar PV facilities traverse the same farm portion i.e. Remainder of the Farm Mooi Plaats No. 121. This is being proposed as the PV development area will be determined based on the onsite environmentally sensitive areas which are still to be determined during the EIA process. The DEA was requested to confirm whether this approach would be acceptable.                                                                                             | N/A          |
| 10.                                   | ME noted that the same farm (Farm Mooi Plaats No. 121) can be included in both applications provided that the PV development footprints and alternatives assessed for each project do not overlap.                                                                                                                                                                                                                                                                                                                                             | N/A          |
| 11.                                   | CA suggested that specialist should proceed to assess the application sites but that the application forms should only be submitted once the viability of the site and all sensitive areas are understood.                                                                                                                                                                                                                                                                                                                                     | SiVEST       |
| 12.                                   | ME confirmed that for solar PV projects a Final Layout Plan and a Final Environmental Management Programmes (EMPr) should be submitted to the DEA for approval within the Final Environmental Impact Assessment Report (FEIAR).                                                                                                                                                                                                                                                                                                                | SiVEST       |
| <b>Grid Connection Infrastructure</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| 13.                                   | TS requested that the grid infrastructure alternatives be explained.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A          |
| 14.                                   | S presented and explained the grid infrastructure alternatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A          |
| 15.                                   | ME noted that the sharing of substations should be carefully worded and explained. As only one collector substation will ultimately be constructed, although more than one will be                                                                                                                                                                                                                                                                                                                                                             | SiVEST / DEA |

#### EDF Renewables

Proposed Umsobomvu Solar PV Facilities – Final Minutes for DEA Pre-Application Meeting

27 June 2019

| ITEM NO.                            | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                     | ACTION |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                                     | assessed and potentially authorised, the EA will need to note that once the collector substation is built it will invalidate the authorisations for all other collector substations.                                                                                                                                                                                                 |        |
| 16.                                 | CA questioned the status of Hydra D Main Transmission Substation (MTS).                                                                                                                                                                                                                                                                                                              | N/A    |
| 17.                                 | SV noted that according to Eskom Hydra D MTS is scheduled to be constructed in 2021. He further noted that if EDF are preferred bidders they will construct Hydra D and they have the funds available to do so.                                                                                                                                                                      | N/A    |
| 18.                                 | CA queried if none of the proposed substations (i.e. Phe ukhomoya, Hydra D, Central Collector) have been constructed.                                                                                                                                                                                                                                                                | N/A    |
| 19.                                 | SV confirmed that none of the proposed substations have been constructed.                                                                                                                                                                                                                                                                                                            | N/A    |
| 20.                                 | ME noted that the grid infrastructure should be assessed as separate Basic Assessment (BA) process, and the required portion of the authorised power line could be constructed in part to service one or more of the solar PV projects if awarded preferred bidder status and constructed. However, ideally three (3) BA processes should be undertaken for the grid infrastructure. | N/A    |
| 22.                                 | AG suggested that as the grid infrastructure EAs will be handed over to Eskom for operation, the solar PV projects should also assess and include any infrastructure that may be required to be constructed following hand over of the Grid EA to Eskom.                                                                                                                             | N/A    |
| <b>Public Participation Process</b> |                                                                                                                                                                                                                                                                                                                                                                                      |        |
| 23.                                 | ME recommended that each Special Purpose Vehicle (SPV) should provide a comment letter noting that it is not opposed to the PV project proposed by another SPV or the associated grid infrastructure should it traverse the SPVs application site. This will avoid later appeals should one or more of the projects be sold to different independent power producers (IPPs).         | EDF    |
| 24.                                 | S requested confirmation as to whether a combined public participation process (PPP) can be undertaken, with specific organs of state targeted per province and project specific landowner consent.                                                                                                                                                                                  | N/A    |
| 25.                                 | ME confirmed that a combined PPP can be undertaken with specific activities as proposed. It must be ensured that the correct provincial authorities are included in the PPP.                                                                                                                                                                                                         | SiVEST |
|                                     | ME noted that if the grid connection infrastructure is not separated out as a separate BA/s, landowner consent will also be required from all landowners directly affected by the grid infrastructure alternatives, as majority of the project would not be a linear activity.                                                                                                       | N/A    |
| 26.                                 | CA noted that reasonable steps need to be taken to notify and prove that occupiers of affected properties have been notified and proof should be included within the draft and final reports.                                                                                                                                                                                        | SiVEST |
| <b>Specialist Studies</b>           |                                                                                                                                                                                                                                                                                                                                                                                      |        |
| 27.                                 | S indicated the specialist studies proposed and requested confirmed that all studies have been included and if the DEA has any suggestions.                                                                                                                                                                                                                                          | N/A    |
|                                     | The DEA confirmed that they are in agreement with the suggested studies.                                                                                                                                                                                                                                                                                                             | N/A    |
| 28.                                 | ME stated that all reports should include a detailed cumulative impact assessment which meets all the DEAs requirements.                                                                                                                                                                                                                                                             | SiVEST |
| 29.                                 | TS noted that the Avifaunal specialist should walk the existing power lines routes.                                                                                                                                                                                                                                                                                                  | SiVEST |
| 30.                                 | ME noted that Department of Agriculture, Forestry and Fisheries (DAFF) may request that a detailed Agricultural Potential and Soil Impact Assessment by undertaken if they identify that the area has a high agricultural potential.                                                                                                                                                 | N/A    |
| 31.                                 | ME noted that any deviation from the Birdlife South Africa (BLSA) Guidelines should be motivated, however undertaking an assessment in the incorrect season will not be considered to be an acceptable deviation. All specialists should ensure that their assessments are undertaken in the correct season.                                                                         | N/A    |
| 33.                                 | ME confirmed that the specialists can compile one (1) combined report covering the proposed solar PV projects and grid infrastructure, provided the findings and impact assessment                                                                                                                                                                                                   | SiVEST |

#### EDF Renewables

Proposed Umsobomvu Solar PV Facilities – Final Minutes for DEA Pre-Application Meeting

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| ITEM NO.                                  | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ACTION       |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                           | sections are project specific. The reports should not be generalised but should provide specific results for each project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |
|                                           | ME noted that all studies should be based on the worst case scenario. For example the visual assessment should be based on the tallest possible PV panels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SiVEST       |
| 34.                                       | S noted that an ecological (fauna and flora) assessment is being undertaken and will investigate the potential impacts of the project on Critical Biodiversity Areas (CBAs) as the proposed project traverses CBA 1 and CBA 2 areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | N/A          |
| 35.                                       | ME noted that in terms of CBAs the Draft National Biodiversity Offset Policy should be consulted. Developing within a CBA will require an offset and the DEA will not accept financial offsets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SiVEST       |
| 32.                                       | The Transportation Impact Assessment should suggest the best way to access the site and the South African National Roads Agency Limited (SANRAL) should be engaged with.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SiVEST       |
| <b>General</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| 34.                                       | CA noted that all legislated timeframes should be adhered to in order to prevent the applications from lapsing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SiVEST       |
| 34.                                       | Draft and final reports should be submitted as one (1) colour hard copy and one (1) USB electronic copy. In addition, the DEA Biodiversity Directorate should be contacted to find out how many copies they require. All submissions should clearly be addressed to the correct official.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SiVEST       |
| <b>Post Meeting Notes and Way Forward</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| 35.                                       | <p>Following the pre-application meeting SV communicated the outcome of the meeting to the management at EDF. AG also consulted with CA and ME from the DEA and based the discussions, the proposed way forward for the solar PV facilities and associated grid infrastructure is as follows:</p> <ul style="list-style-type: none"> <li>▪ Undertake three (3) EIAs – one (1) for each solar PV facility.</li> <li>▪ Undertake three (3) BAs – one (1) for each associated grid infrastructure connection.</li> <li>▪ Each specialist will compile one (1) combined report that assesses all three (3) solar PV facilities and all three (3) associated grid connection infrastructure options. The reports will include separate impact ratings and assessments for each project.</li> <li>▪ The specialists will assess the entire application sites during the scoping phase, identify on-site sensitive and no-go areas.</li> <li>▪ The layout and maximum output capacity for each solar PV facility will be determined based on the environmentally sensitive and no-go areas identified by the specialists.</li> <li>▪ The proposed layout and alternatives will be presented in the scoping reports and will be put forward for further investigation in the EIA phase.</li> <li>▪ The Remainder of the Farm Mooi Plaats No. 121 will be included in the application sites for both Mooi Plaats and Wonderheuvel solar PV facilities, however the development footprints and alternatives will not overlap.</li> <li>▪ A combined PPP will be undertaken for all six (6) applications (3x EIAs and 3x BAs), with specific organs of state targeted per province and project specific landowner consent obtained.</li> <li>▪ The three (3) BA processes for the grid connection infrastructure will be initiated once the final scoping report (FSR) has been accepted by the DEA.</li> </ul> | SiVEST / EDF |
| 36.                                       | Comments on the Draft minutes were received by 25 June 2019 and the minutes were thereafter finalised and distributed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ALL          |

**EDF Renewables**

Proposed Umsobomvu Solar PV Facilities – Final Minutes for DEA Pre-Application Meeting

27 June 2019



## Stephan Jacobs

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**From:** Andrea Gibb  
**Sent:** Thursday, 27 June 2019 3:18 PM  
**To:** Muhammad Essop; Stephan Jacobs; Sheldon Vandrey; Coenrad Agenbach; Thabile Sangweni; Mmamohale Kabasa  
**Subject:** RE: Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities  
**Attachments:** 15324\_Umsobomvu PV EIAs\_DEA Pre-App Meeting\_Final Minutes\_Ver1\_20190627\_.....pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good day All

Kindly find attached the final minutes of the pre-application meeting that took place on 19 February 2019 for the proposed Development of the Umsobomvu Solar Photovoltaic (PV) Facilities and Associated Grid Infrastructure near Noupoort and Middelburg in the Eastern and Northern Cape Provinces.

The minutes will also be attached to the EIA application forms that are envisaged to be submitted in mid-July 2019.

Kind Regards  
**Andrea Gibb**  
Divisional Manager  
**SiVEST Environmental Division**



*SiVEST is a Level 3 BBBEE Contributor*

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**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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

---

**From:** Muhammad Essop [mailto:MEssop@environment.gov.za]  
**Sent:** Tuesday, 25 June 2019 08:10  
**To:** Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>; Sheldon Vandrey <Sheldon.vandrey@edf-re.co.za>; Coenrad Agenbach <Cagenbach@environment.gov.za>; Thabile Sangweni <TSangweni@environment.gov.za>; Mmamohale Kabasa <MKabasa@environment.gov.za>  
**Subject:** RE: Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities

Dear Andrea.

Apologies for the delay.

The minutes are fine and we can proceed with the project.

Regards

# Muhammad Essop

Assistant Director - Strategic Infrastructure Developments

Integrated Environmental Authorisations

Department of Environmental Affairs

Private Bag X447

Pretoria

0001

(012) 399 9406

[MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)

---

**From:** Andrea Gibb <[AndreaG@sivest.co.za](mailto:AndreaG@sivest.co.za)>

**Sent:** Friday, June 7, 2019 11:05

**To:** Muhammad Essop <[MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)>; Stephan Jacobs <[StephanJ@sivest.co.za](mailto:StephanJ@sivest.co.za)>; Sheldon Vandrey <[Sheldon.vandrey@edf-re.co.za](mailto:Sheldon.vandrey@edf-re.co.za)>; Coenrad Agenbach <[Cagenbach@environment.gov.za](mailto:Cagenbach@environment.gov.za)>; Thabile Sangweni <[TSangweni@environment.gov.za](mailto:TSangweni@environment.gov.za)>; Mmamohale Kabasa <[MKabasa@environment.gov.za](mailto:MKabasa@environment.gov.za)>

**Subject:** RE: Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities

Hi Muhammad

Thank you for the feedback.

Attached is the word version as requested.

Noted, we will accept comments until the end of next week (14 June 2019).

Kind Regards

**Andrea Gibb**

Divisional Manager

**SiVEST Environmental Division**



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**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

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---

**From:** Muhammad Essop [<mailto:MEssop@environment.gov.za>]

**Sent:** Friday, 07 June 2019 09:56

**To:** Andrea Gibb <[AndreaG@sivest.co.za](mailto:AndreaG@sivest.co.za)>; Stephan Jacobs <[StephanJ@sivest.co.za](mailto:StephanJ@sivest.co.za)>; Sheldon Vandrey <[Sheldon.vandrey@edf-re.co.za](mailto:Sheldon.vandrey@edf-re.co.za)>; Coenrad Agenbach <[Cagenbach@environment.gov.za](mailto:Cagenbach@environment.gov.za)>; Thabile Sangweni <[TSangweni@environment.gov.za](mailto:TSangweni@environment.gov.za)>; Mmamohale Kabasa <[MKabasa@environment.gov.za](mailto:MKabasa@environment.gov.za)>

**Subject:** RE: Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities

Dear Andrea.

Please could you send through the minutes in a word format so that we can make any changes if necessary in track.

Further note that due to the delay in time from the meeting till the minutes were presented for review and comment, we will provide comments by the end of next week.

Regards

*Muhammad Essop*

**Assistant Director - Strategic Infrastructure Developments**

Integrated Environmental Authorisations

Department of Environmental Affairs

Private Bag X447

Pretoria

0001

(012) 399 9406

[MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)

---

**From:** Andrea Gibb <[AndreaG@sivest.co.za](mailto:AndreaG@sivest.co.za)>

**Sent:** Wednesday, June 5, 2019 14:25

**To:** Stephan Jacobs <[StephanJ@sivest.co.za](mailto:StephanJ@sivest.co.za)>; Sheldon Vandrey <[Sheldon.vandrey@edf-re.co.za](mailto:Sheldon.vandrey@edf-re.co.za)>; Muhammad Essop <[MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)>; Coenrad Agenbach <[Cagenbach@environment.gov.za](mailto:Cagenbach@environment.gov.za)>; Thabile Sangweni <[TSangweni@environment.gov.za](mailto:TSangweni@environment.gov.za)>; Mmamohale Kabasa <[MKabasa@environment.gov.za](mailto:MKabasa@environment.gov.za)>; Pfano Nengudza <[pnengudza@environment.gov.za](mailto:pnengudza@environment.gov.za)>

**Subject:** RE: Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities

Good day All

As per the email below, please kindly submit your comments on the draft minutes to us by Friday 7 June 2019.

Kind Regards

**Andrea Gibb**

Divisional Manager

**SiVEST Environmental Division**



**SiVEST is a Level 3 BBBEE Contributor**

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**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

**Durban | Johannesburg | Pretoria | Pietermaritzburg | Richards Bay | Port Louis (Mauritius)**

**From:** Andrea Gibb  
**Sent:** Monday, 27 May 2019 14:35  
**To:** Stephan Jacobs <[StephanJ@sivest.co.za](mailto:StephanJ@sivest.co.za)>; 'Sheldon Vandrey' <[Sheldon.vandrey@edf-re.co.za](mailto:Sheldon.vandrey@edf-re.co.za)>; 'MEssop@environment.gov.za' <[MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)>; [cagenbach@environment.gov.za](mailto:cagenbach@environment.gov.za); 'TSangweni@environment.gov.za' <[TSangweni@environment.gov.za](mailto:TSangweni@environment.gov.za)>; 'Mmamohale Kabasa' <[MKabasa@environment.gov.za](mailto:MKabasa@environment.gov.za)>; 'pnengudza@environment.gov.za' <[pnengudza@environment.gov.za](mailto:pnengudza@environment.gov.za)>  
**Subject:** Pre-application Meeting Ref No: 2018-12-0003 - Umsobomvu Solar PV Facilities

Good day All

Please find attached the Draft Minutes of the pre-application meeting that took place on 19 February 2019 for the proposed Development of the Umsobomvu Solar Photovoltaic (PV) Facilities and Associated Grid Infrastructure near Noupoort and Middelburg in the Eastern and Northern Cape Provinces.

The minutes also outline the proposed way forward in terms of applying for environmental authorisation (EA), as indicated in item 35.

We kindly request that you submit your comments on the Draft minutes to us ([andreag@sivest.co.za](mailto:andreag@sivest.co.za)) by 7 June 2019. The minutes will be finalised and distributed thereafter.

Kind Regards  
**Andrea Gibb**  
Divisional Manager  
**SiVEST Environmental Division**



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**Engineering Consulting | Project Management | Environmental Consulting | Town & Regional Planning | Management Systems Consulting**

**Durban | Johannesburg | Pretoria | Pietermaritzburg | Richards Bay | Port Louis (Mauritius)**

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**Appendix 9C**  
**Specialist ToR**







## PROPOSED UMSOBOMVU SOLAR PV ENERGY FACILITIES PROJECT DESCRIPTION

It is proposed that three (3) Solar Photovoltaic (PV) Energy Facilities, with associated grid connection infrastructure, will be developed, these being:

- ***Mooi Plaats Solar PV Facility***, on an application site of approximately 5 303ha, comprising the following farm portions:
  - Portion 1 of Leuwe Kop No 120
  - Remainder of Mooiplaats No 121
  
- ***Wonderheuvel Solar PV Facility***, on an application site of approximately 5 652ha, comprising the following farm portions:
  - Remainder of Mooiplaats No 121
  - Portion 3 of Wonder Heuvel No 140
  - Portion 5 of Holle Fountain No 133
  
- ***Paarde Valley Solar PV Facility***, on an application site of approximately 3 695ha, comprising the following farm portion:
  - Portion 2 of Paarde Valley No 62: and
  - Portion 7 of the Farm Leeuw Hoek No. 61.

***\*Maps showing the proposed solar PV projects and their respective grid connections will be sent to the specialists.***

### 1 SOLAR PV COMPONENTS

#### **Mooi Plaats Solar PV Energy Facility:**

The proposed Mooi Plaats Solar PV Energy Facility will include the following components:

- Three (3) PV array areas, occupying a combined total area of approximately 777 hectares (ha).
- The proposed solar PV energy facility will have a maximum total generation capacity of approximately **400MW** and will comprise approximately **1 142 857** PV modules. The final number of modules as well as their configuration will only be determined in the detailed design phase.
- PV modules will be either fixed tilt mounting or single axis tracking mounting, and the modules will be either crystalline silicon or thin film technology. Each module will be approximately 2m wide and between 1m and 4m in height, depending on the mounting type.

- Internal roads, between 4m and 10m wide, will provide access to the PV arrays. Existing site roads will be used wherever possible, although new site roads will be constructed where necessary.
- Up to three (3) temporary construction laydown / staging areas of approximately 4ha each.
- Operation and maintenance (O&M) buildings will be provided for each PV array area, occupying a site of approximately 1ha each. Up to a maximum of three (3) O&M buildings will thus be constructed.
- Medium voltage cabling will link the solar PV energy facility to the grid connection infrastructure. These cables will be laid underground wherever technically feasible.

### **Wonderheuvel Solar PV Energy Facility:**

The proposed Wonderheuvel Solar PV Energy Facility will include the following components:

- Six (6) PV array areas, occupying a combined total area of approximately 864ha.
- The proposed solar PV energy facility will have a maximum total generation capacity of approximately **480MW** and will comprise approximately **1 371 429** PV modules. The final number of modules as well as their configuration will only be determined in the detailed design phase.
- PV modules will be either fixed tilt mounting or single axis tracking mounting, and the modules will be either crystalline silicon or thin film technology. Each module will be approximately 2m wide and between 1m and 4m in height, depending on the mounting type.
- Internal roads, between 4m and 10m wide, will provide access to the PV arrays. Existing site roads will be used wherever possible, although new site roads will be constructed where necessary.
- Up to a maximum of four (4) temporary construction laydown / staging areas of approximately 4ha each.
- Operation and maintenance (O&M) buildings will be provided for each PV array area, occupying a site of approximately 1ha each. However, certain PV array areas will share O&M buildings. Up to a maximum of four (4) O&M buildings will thus be constructed.
- Medium voltage cabling will link the solar PV energy facility to the grid connection infrastructure. These cables will be laid underground wherever technically feasible.

### **Paarde Valley Solar PV Energy Facility:**

The proposed Paarde Valley Solar PV Energy Facility will include the following components:

- Five (5) PV array areas, occupying a combined total area of approximately 1 337ha.
- The proposed solar PV energy facility will have a maximum total generation capacity of approximately **700MW** and will comprise approximately **2 000 000** PV modules. The final number of modules as well as their configuration will only be determined in the detailed design phase.
- PV modules will be either fixed tilt mounting or single axis tracking mounting, and the modules will be either crystalline silicon or thin film technology. Each module will be approximately 2m wide and between 1m and 4m in height, depending on the mounting type.

- Internal roads, between 4m and 10m wide, will provide access to the PV arrays. Existing site roads will be used wherever possible, although new site roads will be constructed where necessary.
- Up to five (5) temporary construction laydown / staging areas of approximately 4ha each.
- Operation and maintenance (O&M) buildings will be provided for each PV array area, occupying a site of approximately 1ha each. Up to a maximum of five (5) O&M buildings will thus be constructed.
- Medium voltage cabling will link the solar PV energy facility to the grid connection infrastructure. These cables will be laid underground wherever technically feasible.

## 2 GRID CONNECTION INFRASTRUCTURE

The proposed grid connection infrastructure will include the following components:

- New on-site substations and collector substations to serve each solar PV energy facility, each occupying an area of up to approximately 4ha.
- A new 132kV overhead power line connecting the on-site substations and/or collector substations to either the Hydra D Main Transmission Substation (MTS) or the proposed Coleskop Wind Energy Facility (WEF) substation, from where the electricity will be fed into the national grid. The type of power line towers being considered at this stage to include both lattice and monopole towers which will be up to 25m in height.

Grid connection infrastructure alternatives have been provided for each PV project. These alternatives essentially provide for different route alignments with associated substations contained within an assessment corridor between approximately 400m and 900m wide. This is to allow for flexibility to route the power line on either side of the existing high voltage Eskom power lines. The respective alternatives are as follows:

### **Mooi Plaats Solar PV Grid Connection:**

The alternatives essentially provide for two (2) different route alignments with associated substations contained within an assessment corridor between approximately 400m and 900m wide. The alternatives are as follows:

#### **OPTION 1:**

- **Corridor Option 1a** - links Substation 2 and Substation 1a to the Hydra D MTS.
- **Corridor Option 1b** - links Substation 2 and Substation 1b to the Hydra D MTS.

#### **OPTION 2:**

- **Corridor Option 2a** - links Substation 2 and Substation 1a to the Hydra D MTS via the proposed Central Collector substation located on the Wonderheuvel PV project application site.
- **Corridor Option 2b** - links Substation 2 and Substation 1b to the Hydra D MTS via the proposed Central Collector substation located on the Wonderheuvel PV project application site.

### **Wonderheuvel Solar PV Grid Connection:**

The alternatives essentially provide for three (3) different route alignments with associated substations contained within an assessment corridor between approximately 400m and 900m wide. The alternatives are as follows:

#### **OPTION 1:**

- **Corridor Option 1a** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links the Proposed Substation 3a to the Hydra D MTS via the proposed Northern Collector Substation located on the Mooi Plaats PV project application site.
  - ii. The *southern connection* links the proposed Substation 4a to the Coleskop WEF Substation via the proposed Southern Collector Substation located on the Paarde Valley PV Project application site.
  
- **Corridor Option 1b** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links the Proposed Substation 3a to the Hydra D MTS via the proposed Northern Collector Substation located on the Mooi Plaats PV project application site.
  - ii. The *southern connection* links the proposed Substation 4b to the Coleskop WEF Substation via the proposed Southern Collector Substation located on the Paarde Valley PV Project application site.
  
- **Corridor Option 1c** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links the Proposed Substation 3b to the Hydra D MTS via the proposed Northern Collector Substation located on the Mooi Plaats PV project application site.
  - ii. The *southern connection* links the proposed Substation 4a to the Coleskop WEF Substation via the proposed Southern Collector Substation located on the Paarde Valley PV Project application site.
  
- **Corridor Option 1d** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links the Proposed Substation 3b to Hydra D MTS via the proposed Northern Collector Substation located on the Mooi Plaats PV project application site.
  - ii. The *southern connection* links the proposed Substation 4b to the Coleskop WEF Substation via the proposed Southern Collector Substation located on the Paarde Valley PV Project application site.

#### **OPTION 2:**

- **Corridor Option 2a** - links Substation 3a to the Hydra D MTS via the proposed Central Collector Substation.

- **Corridor Option 2b** - Option 2b links Substation 3b to Hydra D MTS via the proposed Central Collector Substation.

### **OPTION 3:**

- **Corridor Option 3** links Substation 4b to Hydra D MTS via the proposed Central Collector Substation.

### **Paarde Valley Solar PV Grid Connection:**

The alternatives essentially provide for two (2) different route alignments with associated substations contained within an assessment corridor between approximately 400m and 900m wide. The alternatives are as follows:

### **OPTION 1:**

- **Corridor Option 1a** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - The *northern connection* links Substation 5 to Coleskop Substation via the proposed Southern Collector Sub (Substation 6a will act as Central Collector for this option).
  - The *southern connection* links Substation 7a to the Coleskop Substation via the proposed Southern Collector Substation (Substation 6a will act as Southern Collector for this option).
- **Corridor Option 1b** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - The *northern connection* links Substation 5 to Coleskop Substation via the proposed Southern Collector Sub (Substation 6b will act as Southern Collector for this option).
  - The *southern connection* links Substation 7a to the Coleskop Substation via the proposed Southern Collector Substation (Substation 6b will act as Southern Collector for this option).
- **Corridor Option 1c** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - The *northern connection* links Substation 5 to Coleskop Substation via the proposed Southern Collector Sub (Substation 6a will act as Southern Collector for this option).
  - The *southern connection* links Substation 7b to the Coleskop Substation via the proposed Southern Collector Substation (Substation 6a will act as Southern Collector for this option).
- **Corridor Option 1d** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - The *northern connection* links Substation 5 to Coleskop Substation via the proposed Southern Collector Sub (Substation 6b will act as Southern Collector for this option).
  - The *southern connection* links Substation 7b to the Coleskop Substation via the proposed Southern Collector Substation (Substation 6b will act as Southern Collector for this option).

## **OPTION 2:**

- Corridor **Option 2a** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links Substation 5 to Hydra D MTS via the proposed Central Collector Sub located on the Wonderheuvel PV Project application site.
  - ii. The *southern connection* links Substation 6a and 7a to the Hydra D MTS via the proposed Central Collector Substation located on the Wonderheuvel PV Project application site.
  
- Corridor **Option 2b** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links Substation 5 to Hydra D MTS via the proposed Central Collector Sub located on the Wonderheuvel PV Project application site.
  - ii. The *southern connection* links Substation 6b and 7b to the Hydra D MTS via the proposed Central Collector Substation located on the Wonderheuvel PV Project application site.
  
- Corridor **Option 2c** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links Substation 5 to Hydra D MTS via the proposed Central Collector Sub located on the Wonderheuvel PV Project application site.
  - ii. The *southern connection* links Substation 6a and 7b to the Hydra D MTS via the proposed Central Collector Substation located on the Wonderheuvel PV Project application site.
  
- Corridor **Option 2d** involves two (2) separate grid connections to serve the northern and southern sections of the application site.
  - i. The *northern connection* links Substation 5 to Hydra D MTS via the proposed Central Collector Sub located on the Wonderheuvel PV Project application site.
  - ii. The *southern connection* links Substation 6b and 7a to the Hydra D MTS via the proposed Central Collector Substation located on the Wonderheuvel PV Project application site.

***\*Maps showing the proposed solar PV projects and their respective grid connections will be sent to the specialists.***



# PROPOSED UMSOBOMVU SOLAR PV ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE SPECIALIST REPORTING REQUIREMENTS SCOPING PHASE

Specialists are requested to provide **one** (1) scoping phase report assessing all three Umsobomvu application sites (i.e. Mooi Plaats, Wonderheuvel and Paarde Valley). The report should however include separate assessment and impact rating chapters/sections for each of the three solar PV facilities and their respective grid connection alternatives.

## 1 IMPACT RATING METHODOLOGY

The impacts of each solar PV and grid connection infrastructure project (during the Construction, Operation and Decommissioning Phases) are to be assessed and rated according to the methodology developed by SiVEST and Specialists will be required to make use of the impact rating matrix provided (in Excel format) for this purpose. Please note that the significance of Cumulative Impacts should also be rated in this section. Both the methodology and the rating matrix have been provided in the project information pack which can be accessed via the following link to OneDrive:

<https://1drv.ms/f/s!Al6p9GVipkSfbyjpNzoWWfGln6Y>

## 2 CUMULATIVE IMPACT ASSESSMENT

Cumulative impact assessments must be undertaken for each of the three solar PV facilities and associated grid connection infrastructure projects to determine the cumulative impact that will materialise should other Renewable Energy Facilities (REFs) and large scale industrial developments be constructed within 35kms of the proposed developments.

The cumulative impact assessment must contain the following:

- A cumulative environmental impact statement noting whether the overall impact is acceptable; and
- A review of the specialist reports undertaken for other REFs and an indication of how the recommendations, mitigation measures and conclusion of the studies have been considered.

In order to assist the specialists in this regard, SiVEST has provided the following documentation/data in the information pack:

- A summary table listing all REFs identified within 35kms of the proposed solar PV facilities and associated grid connection infrastructure;

- A map showing the location of the identified REFs;
- KML files; and
- Relevant EIA/BA reports, that could be obtained.

### **3 COMPARATIVE ASSESSMENT OF ALTERNATIVES**

The two grid connection infrastructure alternatives for each solar PV project must be comparatively assessed as per the table provided in the information pack.

### **4 GENERAL SUBMISSION REQUIREMENTS**

In addition to the above, please ensure that your specialist report includes the following:

- A table at the beginning of your report cross referencing how the requirements for specialist reports in accordance with Appendix 6 of the EIA Regulations, 2014 (as amended) has been adhered to. An MS Word version has been provided in the information pack.
- A thorough overview of all applicable legislation, guidelines.
- Identification of sensitive areas to be avoided.
- Recommend mitigation measures in order to minimise the impact of the proposed development.
- Provide implications of specialist findings for the proposed development (e.g. permits, licenses etc.).
- Specify if any further assessment will be required in the EIA phase.
- Include an Impact Statement, concluding whether the project can be authorised or not.
- A copy of the Specialist Declaration of Interest form, containing original signatures, must be appended to all Draft and Final Reports. This form has been included in the information pack. Please note that the undertaking/affirmation under oath section of the report must be signed by a Commissioner of Oaths.

### **5 REPORT / DATA FORMATS**

- Specialist scoping phase reports must be provided in MS Word format.
- Where maps have been inserted into the report, we will require a separate map set in PDF format for inclusion in our submission.
- Where figures and/or photos have been inserted into the report, we will require the original graphic in jpg format for inclusion in our submission.
- Delineated areas of sensitivity must be provided in either ESRI shape file format or Google Earth KML format. Sensitivity classes must be included in the attribute tables with a clear indication of which areas are “No-Go” areas.





# PROPOSED UMSOBOMVU SOLAR PV ENERGY FACILITIES AND ASSOCIATED GRID CONNECTION INFRASTRUCTURE SPECIALIST REPORTING REQUIREMENTS EIA PHASE

Specialists are requested to provide **one (1)** EIA phase report assessing all three (3) Umsobomvu solar PV energy facilities (i.e. Mooi Plaats, Wonderheuvel and Paarde Valley) and associated grid connection infrastructure (132kV overhead power line and 33/132kV on-site and collector substations). The report should however include separate assessment and impact rating chapters/sections for each of the three (3) solar PV facilities and their respective grid connection alternatives.

Please be advised that your scoping phase report needs to be updated / revised to include the following:

- a review of the findings in accordance with detailed site layouts, including the PV array areas put forward as a result of the identified sensitive areas;
- a comparative assessment of the layout alternatives provided; and
- addressing any comments or concerns arising from the public participation process.

## 1 IMPACT RATING METHODOLOGY

The impacts of each solar PV and Grid project (during the Construction, Operation and Decommissioning Phases) are to be assessed and rated according to the methodology developed by SiVEST and Specialists will be required to make use of the impact rating matrix provided (in Excel format) for this purpose. Please note that the significance of Cumulative Impacts should also be rated in this section. Both the methodology and the rating matrix have been provided in the project information pack which can be accessed via the following link to OneDrive:

<https://1drv.ms/f/s!Al6p9GVipkSfbyjpNzoWWfGln6Y>

## 2 CUMULATIVE IMPACT ASSESSMENT

Cumulative impact assessments must be undertaken for each of the three (3) solar PV facilities and their respective grid connection infrastructure to determine the cumulative impact that will materialise should other Renewable Energy Facilities (REFs) and large scale industrial developments be constructed within 35kms of the proposed development.

The cumulative impact assessment must contain the following:

- A cumulative environmental impact statement noting whether the overall impact is acceptable; and

- A review of the specialist reports undertaken for other REFs and an indication of how the recommendations, mitigation measures and conclusion of the studies have been considered.

In order to assist the specialists in this regard, SiVEST has provided the following documentation/data in the information pack:

- A summary table listing all REFs identified within 35kms of the proposed solar PV facilities;
- A map showing the location of the identified REFs;
- KML files; and
- Relevant EIA/BA reports, that could be obtained.

### **3 COMPARATIVE ASSESSMENT OF ALTERNATIVES**

The following alternatives must be comparatively assessed:

- Laydown Areas and Operation & Maintenance (O&M) Building Site Alternatives (as per the table provided). The Applicant wants to construct one (1) Laydown Area and O&M Building per PV array area; and
- Grid Connection Infrastructure Alternatives for each solar PV project (as per the table provided).

It should be noted that the locations of the on-site / collector substations will depend on the Grid Connection Infrastructure Alternatives which are chosen as '*preferred*' for each project.

### **4 GENERAL SUBMISSION REQUIREMENTS**

In addition to the above, please ensure that your specialist report includes the following:

- A table at the beginning of your report cross referencing how the requirements for specialist reports in accordance with Appendix 6 of the EIA Regulations, 2014 (as amended) has been adhered to. An MS Word version has been provided in the information pack.
- A thorough overview of all applicable legislation, guidelines.
- Identification of sensitive areas to be avoided.
- Recommend mitigation measures in order to minimise the impact of the proposed development.
- Provide implications of specialist findings for the proposed development (e.g. permits, licenses etc.).
- Specify if any further assessment / investigation will be required.
- Include an Impact Statement, concluding whether the project can be authorised or not.
- A copy of the Specialist Declaration of Interest form, containing original signatures, must be appended to all Draft and Final Reports. This form has been included in the information pack. Please note that the undertaking/affirmation under oath section of the report must be signed by a Commissioner of Oaths.

### **5 REPORT / DATA FORMATS**

- Specialist scoping phase reports must be provided in MS Word format.

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- Where figures and/or photos have been inserted into the report, we will require the original graphic in jpg format for inclusion in our submission.
- Delineated areas of sensitivity must be provided in either ESRI shape file format or Google Earth KML format. Sensitivity classes must be included in the attribute tables with a clear indication of which areas are “No-Go” areas.

**PROPOSED UMSOBOMVU SOLAR PV ENERGY FACILITIES  
COMPARATIVE ASSESSMENT OF ALTERNATIVES  
PV AND GRID CONNECTION INFRASTRUCTURE**

**Key**

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>PREFERRED</b>       | The alternative will result in a low impact / reduce the impact    |
| <b>FAVOURABLE</b>      | The impact will be relatively insignificant                        |
| <b>LEAST PREFERRED</b> | The alternative will result in a high impact / increase the impact |
| <b>NO PREFERENCE</b>   | The alternative will result in equal impacts                       |

| <b>PV INFRASTRUCTURE ALTERNATIVES (LAYDOWN AREAS AND O&amp;M BUILDINGS)</b> | <b>Preference</b> | <b>Reasons (incl. potential issues)</b> |
|-----------------------------------------------------------------------------|-------------------|-----------------------------------------|
| <b>MOOI PLAATS SOLAR PV FACILITY:</b>                                       |                   |                                         |
| Laydown Area and O&M Building Site Option 1                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 2                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 3                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 4                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 5                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 6                                 |                   |                                         |
| <b>WONDERHEUVEL SOLAR PV FACILITY:</b>                                      |                   |                                         |
| Laydown Area and O&M Building Site Option 1                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 2                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 3                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 4                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 5                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 6                                 |                   |                                         |

| <b>PV INFRASTRUCTURE ALTERNATIVES (LAYDOWN AREAS AND O&amp;M BUILDINGS)</b> | <b>Preference</b> | <b>Reasons (incl. potential issues)</b> |
|-----------------------------------------------------------------------------|-------------------|-----------------------------------------|
| Laydown Area and O&M Building Site Option 7                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 8                                 |                   |                                         |
| <b>PAARDE VALLEY SOLAR PV FACILITY:</b>                                     |                   |                                         |
| Laydown Area and O&M Building Site Option 1                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 2                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 3                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 4                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 5                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 6                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 7                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 8                                 |                   |                                         |
| Laydown Area and O&M Building Site Option 9                                 |                   |                                         |

| <b>GRID CONNECTION INFRASTRUCTURE ALTERNATIVES (POWER LINE CORRIDORS AND ASSOCIATED SUBSTATIONS)</b> | <b>Preference</b> | <b>Reasons (incl. potential issues)</b> |
|------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------|
| <b>MOOI PLAATS SOLAR PV FACILITY:</b>                                                                |                   |                                         |
| Grid Connection Option 1a                                                                            |                   |                                         |
| Grid Connection Option 1b                                                                            |                   |                                         |
| Grid Connection Option 2a                                                                            |                   |                                         |
| Grid Connection Option 2a                                                                            |                   |                                         |
| <b>WONDERHEUVEL SOLAR PV FACILITY:</b>                                                               |                   |                                         |
| Grid Connection Option 1a                                                                            |                   |                                         |
| Grid Connection Option 1b                                                                            |                   |                                         |
| Grid Connection Option 1c                                                                            |                   |                                         |
| Grid Connection Option 1d                                                                            |                   |                                         |

| GRID CONNECTION INFRASTRUCTURE ALTERNATIVES (POWER LINE CORRIDORS AND ASSOCIATED SUBSTATIONS) | Preference | Reasons (incl. potential issues) |
|-----------------------------------------------------------------------------------------------|------------|----------------------------------|
| Grid Connection Option 2a                                                                     |            |                                  |
| Grid Connection Option 2b                                                                     |            |                                  |
| Grid Connection Option 3                                                                      |            |                                  |
| <b>PAARDE VALLEY SOLAR PV FACILITY:</b>                                                       |            |                                  |
| Grid Connection Option 1a                                                                     |            |                                  |
| Grid Connection Option 1b                                                                     |            |                                  |
| Grid Connection Option 1c                                                                     |            |                                  |
| Grid Connection Option 1d                                                                     |            |                                  |
| Grid Connection Option 2a                                                                     |            |                                  |
| Grid Connection Option 2b                                                                     |            |                                  |
| Grid Connection Option 2c                                                                     |            |                                  |
| Grid Connection Option 2d                                                                     |            |                                  |



# 1 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) METHODOLOGY

The Environmental Impact Assessment (EIA) Methodology assists in evaluating the overall effect of a proposed activity on the environment. Determining of the significance of an environmental impact on an environmental parameter is determined through a systematic analysis.

## 1.1 Determination of Significance of Impacts

Significance is determined through a synthesis of impact characteristics which include context and intensity of an impact. Context refers to the geographical scale (i.e. site, local, national or global), whereas intensity is defined by the severity of the impact e.g. the magnitude of deviation from background conditions, the size of the area affected, the duration of the impact and the overall probability of occurrence. Significance is calculated as shown in **Table 1**.

Significance is an indication of the importance of the impact in terms of both physical extent and time scale, and therefore indicates the level of mitigation required. The total number of points scored for each impact indicates the level of significance of the impact.

## 1.2 Impact Rating System

The impact assessment must take account of the nature, scale and duration of effects on the environment and whether such effects are positive (beneficial) or negative (detrimental). Each issue / impact is also assessed according to the various project stages, as follows:

- Planning;
- Construction;
- Operation; and
- Decommissioning.

Where necessary, the proposal for mitigation or optimisation of an impact should be detailed. A brief discussion of the impact and the rationale behind the assessment of its significance has also been included.

***The significance of Cumulative Impacts should also be rated (As per the Excel Spreadsheet Template).***

### 1.2.1 Rating System Used to Classify Impacts

The rating system is applied to the potential impact on the receiving environment and includes an objective evaluation of the possible mitigation of the impact. Impacts have been consolidated into one (1) rating. In assessing the significance of each issue the following criteria (including an allocated point system) is used:



**Table 1:** Rating of impacts criteria

| <b>ENVIRONMENTAL PARAMETER</b>                                                                                                                                                                                                                                                                                   |                               |                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|
| A brief description of the environmental aspect likely to be affected by the proposed activity (e.g. Surface Water).                                                                                                                                                                                             |                               |                                                                                             |
| <b>ISSUE / IMPACT / ENVIRONMENTAL EFFECT / NATURE</b>                                                                                                                                                                                                                                                            |                               |                                                                                             |
| Include a brief description of the impact of environmental parameter being assessed in the context of the project. This criterion includes a brief written statement of the environmental aspect being impacted upon by a particular action or activity (e.g. oil spill in surface water).                       |                               |                                                                                             |
| <b>EXTENT (E)</b>                                                                                                                                                                                                                                                                                                |                               |                                                                                             |
| This is defined as the area over which the impact will be expressed. Typically, the severity and significance of an impact have different scales and as such bracketing ranges are often required. This is often useful during the detailed assessment of a project in terms of further defining the determined. |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Site                          | The impact will only affect the site                                                        |
| 2                                                                                                                                                                                                                                                                                                                | Local/district                | Will affect the local area or district                                                      |
| 3                                                                                                                                                                                                                                                                                                                | Province/region               | Will affect the entire province or region                                                   |
| 4                                                                                                                                                                                                                                                                                                                | International and National    | Will affect the entire country                                                              |
| <b>PROBABILITY (P)</b>                                                                                                                                                                                                                                                                                           |                               |                                                                                             |
| This describes the chance of occurrence of an impact                                                                                                                                                                                                                                                             |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Unlikely                      | The chance of the impact occurring is extremely low (Less than a 25% chance of occurrence). |
| 2                                                                                                                                                                                                                                                                                                                | Possible                      | The impact may occur (Between a 25% to 50% chance of occurrence).                           |
| 3                                                                                                                                                                                                                                                                                                                | Probable                      | The impact will likely occur (Between a 50% to 75% chance of occurrence).                   |
| 4                                                                                                                                                                                                                                                                                                                | Definite                      | Impact will certainly occur (Greater than a 75% chance of occurrence).                      |
| <b>REVERSIBILITY (R)</b>                                                                                                                                                                                                                                                                                         |                               |                                                                                             |
| This describes the degree to which an impact on an environmental parameter can be successfully reversed upon completion of the proposed activity.                                                                                                                                                                |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Completely reversible         | The impact is reversible with implementation of minor mitigation measures                   |
| 2                                                                                                                                                                                                                                                                                                                | Partly reversible             | The impact is partly reversible but more intense mitigation measures are required.          |
| 3                                                                                                                                                                                                                                                                                                                | Barely reversible             | The impact is unlikely to be reversed even with intense mitigation measures.                |
| 4                                                                                                                                                                                                                                                                                                                | Irreversible                  | The impact is irreversible and no mitigation measures exist.                                |
| <b>IRREPLACEABLE LOSS OF RESOURCES (L)</b>                                                                                                                                                                                                                                                                       |                               |                                                                                             |
| This describes the degree to which resources will be irreplaceably lost as a result of a proposed activity.                                                                                                                                                                                                      |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | No loss of resource.          | The impact will not result in the loss of any resources.                                    |
| 2                                                                                                                                                                                                                                                                                                                | Marginal loss of resource     | The impact will result in marginal loss of resources.                                       |
| 3                                                                                                                                                                                                                                                                                                                | Significant loss of resources | The impact will result in significant loss of resources.                                    |
| 4                                                                                                                                                                                                                                                                                                                | Complete loss of resources    | The impact is result in a complete loss of all resources.                                   |





| <b>DURATION (D)</b>                                                                                                                                            |             |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| This describes the duration of the impacts on the environmental parameter. Duration indicates the lifetime of the impact as a result of the proposed activity. |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                                              | Short term  | The impact and its effects will either disappear with mitigation or will be mitigated through natural process in a span shorter than the construction phase (0 – 1 years), or the impact and its effects will last for the period of a relatively short construction period and a limited recovery time after construction, thereafter it will be entirely negated (0 – 2 years).          |
| 2                                                                                                                                                              | Medium term | The impact and its effects will continue or last for some time after the construction phase but will be mitigated by direct human action or by natural processes thereafter (2 – 10 years).                                                                                                                                                                                                |
| 3                                                                                                                                                              | Long term   | The impact and its effects will continue or last for the entire operational life of the development, but will be mitigated by direct human action or by natural processes thereafter (10 – 50 years).                                                                                                                                                                                      |
| 4                                                                                                                                                              | Permanent   | The only class of impact that will be non-transitory. Mitigation either by man or natural process will not occur in such a way or such a time span that the impact can be considered transient (Indefinite).                                                                                                                                                                               |
| <b>INTENSITY / MAGNITUDE (I / M)</b>                                                                                                                           |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| Describes the severity of an impact (i.e. whether the impact has the ability to alter the functionality or quality of a system permanently or temporarily).    |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                                              | Low         | Impact affects the quality, use and integrity of the system/component in a way that is barely perceptible.                                                                                                                                                                                                                                                                                 |
| 2                                                                                                                                                              | Medium      | Impact alters the quality, use and integrity of the system/component but system/ component still continues to function in a moderately modified way and maintains general integrity (some impact on integrity).                                                                                                                                                                            |
| 3                                                                                                                                                              | High        | Impact affects the continued viability of the system/component and the quality, use, integrity and functionality of the system or component is severely impaired and may temporarily cease. High costs of rehabilitation and remediation.                                                                                                                                                  |
| 4                                                                                                                                                              | Very high   | Impact affects the continued viability of the system/component and the quality, use, integrity and functionality of the system or component permanently ceases and is irreversibly impaired (system collapse). Rehabilitation and remediation often impossible. If possible rehabilitation and remediation often unfeasible due to extremely high costs of rehabilitation and remediation. |
| <b>SIGNIFICANCE (S)</b>                                                                                                                                        |             |                                                                                                                                                                                                                                                                                                                                                                                            |



Significance is determined through a synthesis of impact characteristics. Significance is an indication of the importance of the impact in terms of both physical extent and time scale, and therefore indicates the level of mitigation required. This describes the significance of the impact on the environmental parameter. The calculation of the significance of an impact uses the following formula:

$$\text{Significance} = (\text{Extent} + \text{probability} + \text{reversibility} + \text{irreplaceability} + \text{duration}) \times \text{magnitude/intensity.}$$

The summation of the different criteria will produce a non-weighted value. By multiplying this value with the magnitude/intensity, the resultant value achieves a weighted characteristic which can be measured and assigned a significance rating.

| Points   | Impact Significance Rating | Description                                                                                                                                                        |
|----------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 to 23  | Negative Low impact        | The anticipated impact will have negligible negative effects and will require little to no mitigation.                                                             |
| 5 to 23  | Positive Low impact        | The anticipated impact will have minor positive effects.                                                                                                           |
| 24 to 42 | Negative Medium impact     | The anticipated impact will have moderate negative effects and will require moderate mitigation measures.                                                          |
| 24 to 42 | Positive Medium impact     | The anticipated impact will have moderate positive effects.                                                                                                        |
| 43 to 61 | Negative High impact       | The anticipated impact will have significant effects and will require significant mitigation measures to achieve an acceptable level of impact.                    |
| 43 to 61 | Positive High impact       | The anticipated impact will have significant positive effects.                                                                                                     |
| 62 to 80 | Negative Very high impact  | The anticipated impact will have highly significant effects and are unlikely to be able to be mitigated adequately. These impacts could be considered fatal flaws. |
| 62 to 80 | Positive Very high impact  | The anticipated impact will have highly significant positive effects.                                                                                              |

The table below is to be represented in the Impact Assessment section of the report. The excel spreadsheet template can be used to complete the Impact Assessment.

**Table 2:** Rating of impacts template and example

| ENVIRONMENTAL PARAMETER                | ISSUE / IMPACT / ENVIRONMENTAL EFFECT/ NATURE                                                                                                          | ENVIRONMENTAL SIGNIFICANCE BEFORE MITIGATION |   |   |   |   |       |       |                 |        | RECOMMENDED MITIGATION MEASURES                                                                                                                                                      | ENVIRONMENTAL SIGNIFICANCE AFTER MITIGATION |   |   |   |   |       |       |                 |     |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---|---|---|---|-------|-------|-----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|---|---|---|-------|-------|-----------------|-----|
|                                        |                                                                                                                                                        | E                                            | P | R | L | D | I / M | TOTAL | STATUS (+ OR -) | S      |                                                                                                                                                                                      | E                                           | P | R | L | D | I / M | TOTAL | STATUS (+ OR -) | S   |
| <b>Construction Phase</b>              |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |
| Vegetation and protected plant species | Vegetation clearing for access roads, turbines and their service areas and other infrastructure will impact on vegetation and protected plant species. | 2                                            | 4 | 2 | 2 | 3 | 3     | 39    | -               | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2                                           | 4 | 2 | 1 | 3 | 2     | 24    | -               | Low |
|                                        |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |
| <b>Operational Phase</b>               |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |

|                              |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|-----|
| Fauna                        | Fauna will be negatively affected by the operation of the wind farm due to the human disturbance, the presence of vehicles on the site and possibly by noise generated by the wind turbines as well.    | 2 | 3 | 2 | 1 | 4 | 3 | 36 | - | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2 | 2 | 2 | 1 | 4 | 2 | 22 | - | Low |
| <b>Decommissioning Phase</b> |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |
| Fauna                        | Fauna will be negatively affected by the decommissioning of the wind farm due to the human disturbance, the presence and operation of vehicles and heavy machinery on the site and the noise generated. | 2 | 3 | 2 | 1 | 2 | 3 | 30 | - | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2 | 2 | 2 | 1 | 2 | 2 | 18 | - | Low |
| <b>Cumulative</b>            |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |

|                                         |                                                                                                                                                                      |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                             |   |   |   |   |   |   |    |   |     |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|-----|
| <p>Broad-scale ecological processes</p> | <p>Transformation and presence of the facility will contribute to cumulative habitat loss and impacts on broad-scale ecological processes such as fragmentation.</p> | 2 | 4 | 2 | 2 | 3 | 2 | 26 | - | Medium | <p>Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr.</p> | 2 | 3 | 2 | 1 | 3 | 2 | 22 | - | Low |
|                                         |                                                                                                                                                                      |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                             |   |   |   |   |   |   |    |   |     |





**Appendix 9D**  
**SiVEST Impact Rating Methodology**







# 1 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) METHODOLOGY

The Environmental Impact Assessment (EIA) Methodology assists in evaluating the overall effect of a proposed activity on the environment. Determining of the significance of an environmental impact on an environmental parameter is determined through a systematic analysis.

## 1.1 Determination of Significance of Impacts

Significance is determined through a synthesis of impact characteristics which include context and intensity of an impact. Context refers to the geographical scale (i.e. site, local, national or global), whereas intensity is defined by the severity of the impact e.g. the magnitude of deviation from background conditions, the size of the area affected, the duration of the impact and the overall probability of occurrence. Significance is calculated as shown in **Table 1**.

Significance is an indication of the importance of the impact in terms of both physical extent and time scale, and therefore indicates the level of mitigation required. The total number of points scored for each impact indicates the level of significance of the impact.

## 1.2 Impact Rating System

The impact assessment must take account of the nature, scale and duration of effects on the environment and whether such effects are positive (beneficial) or negative (detrimental). Each issue / impact is also assessed according to the various project stages, as follows:

- Planning;
- Construction;
- Operation; and
- Decommissioning.

Where necessary, the proposal for mitigation or optimisation of an impact should be detailed. A brief discussion of the impact and the rationale behind the assessment of its significance has also been included.

***The significance of Cumulative Impacts should also be rated (As per the Excel Spreadsheet Template).***

### 1.2.1 Rating System Used to Classify Impacts

The rating system is applied to the potential impact on the receiving environment and includes an objective evaluation of the possible mitigation of the impact. Impacts have been consolidated into one (1) rating. In assessing the significance of each issue the following criteria (including an allocated point system) is used:



**Table 1:** Rating of impacts criteria

| <b>ENVIRONMENTAL PARAMETER</b>                                                                                                                                                                                                                                                                                   |                               |                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|
| A brief description of the environmental aspect likely to be affected by the proposed activity (e.g. Surface Water).                                                                                                                                                                                             |                               |                                                                                             |
| <b>ISSUE / IMPACT / ENVIRONMENTAL EFFECT / NATURE</b>                                                                                                                                                                                                                                                            |                               |                                                                                             |
| Include a brief description of the impact of environmental parameter being assessed in the context of the project. This criterion includes a brief written statement of the environmental aspect being impacted upon by a particular action or activity (e.g. oil spill in surface water).                       |                               |                                                                                             |
| <b>EXTENT (E)</b>                                                                                                                                                                                                                                                                                                |                               |                                                                                             |
| This is defined as the area over which the impact will be expressed. Typically, the severity and significance of an impact have different scales and as such bracketing ranges are often required. This is often useful during the detailed assessment of a project in terms of further defining the determined. |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Site                          | The impact will only affect the site                                                        |
| 2                                                                                                                                                                                                                                                                                                                | Local/district                | Will affect the local area or district                                                      |
| 3                                                                                                                                                                                                                                                                                                                | Province/region               | Will affect the entire province or region                                                   |
| 4                                                                                                                                                                                                                                                                                                                | International and National    | Will affect the entire country                                                              |
| <b>PROBABILITY (P)</b>                                                                                                                                                                                                                                                                                           |                               |                                                                                             |
| This describes the chance of occurrence of an impact                                                                                                                                                                                                                                                             |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Unlikely                      | The chance of the impact occurring is extremely low (Less than a 25% chance of occurrence). |
| 2                                                                                                                                                                                                                                                                                                                | Possible                      | The impact may occur (Between a 25% to 50% chance of occurrence).                           |
| 3                                                                                                                                                                                                                                                                                                                | Probable                      | The impact will likely occur (Between a 50% to 75% chance of occurrence).                   |
| 4                                                                                                                                                                                                                                                                                                                | Definite                      | Impact will certainly occur (Greater than a 75% chance of occurrence).                      |
| <b>REVERSIBILITY (R)</b>                                                                                                                                                                                                                                                                                         |                               |                                                                                             |
| This describes the degree to which an impact on an environmental parameter can be successfully reversed upon completion of the proposed activity.                                                                                                                                                                |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | Completely reversible         | The impact is reversible with implementation of minor mitigation measures                   |
| 2                                                                                                                                                                                                                                                                                                                | Partly reversible             | The impact is partly reversible but more intense mitigation measures are required.          |
| 3                                                                                                                                                                                                                                                                                                                | Barely reversible             | The impact is unlikely to be reversed even with intense mitigation measures.                |
| 4                                                                                                                                                                                                                                                                                                                | Irreversible                  | The impact is irreversible and no mitigation measures exist.                                |
| <b>IRREPLACEABLE LOSS OF RESOURCES (L)</b>                                                                                                                                                                                                                                                                       |                               |                                                                                             |
| This describes the degree to which resources will be irreplaceably lost as a result of a proposed activity.                                                                                                                                                                                                      |                               |                                                                                             |
| 1                                                                                                                                                                                                                                                                                                                | No loss of resource.          | The impact will not result in the loss of any resources.                                    |
| 2                                                                                                                                                                                                                                                                                                                | Marginal loss of resource     | The impact will result in marginal loss of resources.                                       |
| 3                                                                                                                                                                                                                                                                                                                | Significant loss of resources | The impact will result in significant loss of resources.                                    |
| 4                                                                                                                                                                                                                                                                                                                | Complete loss of resources    | The impact is result in a complete loss of all resources.                                   |



| <b>DURATION (D)</b>                                                                                                                                            |             |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| This describes the duration of the impacts on the environmental parameter. Duration indicates the lifetime of the impact as a result of the proposed activity. |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                                              | Short term  | The impact and its effects will either disappear with mitigation or will be mitigated through natural process in a span shorter than the construction phase (0 – 1 years), or the impact and its effects will last for the period of a relatively short construction period and a limited recovery time after construction, thereafter it will be entirely negated (0 – 2 years).          |
| 2                                                                                                                                                              | Medium term | The impact and its effects will continue or last for some time after the construction phase but will be mitigated by direct human action or by natural processes thereafter (2 – 10 years).                                                                                                                                                                                                |
| 3                                                                                                                                                              | Long term   | The impact and its effects will continue or last for the entire operational life of the development, but will be mitigated by direct human action or by natural processes thereafter (10 – 50 years).                                                                                                                                                                                      |
| 4                                                                                                                                                              | Permanent   | The only class of impact that will be non-transitory. Mitigation either by man or natural process will not occur in such a way or such a time span that the impact can be considered transient (Indefinite).                                                                                                                                                                               |
| <b>INTENSITY / MAGNITUDE (I / M)</b>                                                                                                                           |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| Describes the severity of an impact (i.e. whether the impact has the ability to alter the functionality or quality of a system permanently or temporarily).    |             |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                                              | Low         | Impact affects the quality, use and integrity of the system/component in a way that is barely perceptible.                                                                                                                                                                                                                                                                                 |
| 2                                                                                                                                                              | Medium      | Impact alters the quality, use and integrity of the system/component but system/ component still continues to function in a moderately modified way and maintains general integrity (some impact on integrity).                                                                                                                                                                            |
| 3                                                                                                                                                              | High        | Impact affects the continued viability of the system/component and the quality, use, integrity and functionality of the system or component is severely impaired and may temporarily cease. High costs of rehabilitation and remediation.                                                                                                                                                  |
| 4                                                                                                                                                              | Very high   | Impact affects the continued viability of the system/component and the quality, use, integrity and functionality of the system or component permanently ceases and is irreversibly impaired (system collapse). Rehabilitation and remediation often impossible. If possible rehabilitation and remediation often unfeasible due to extremely high costs of rehabilitation and remediation. |
| <b>SIGNIFICANCE (S)</b>                                                                                                                                        |             |                                                                                                                                                                                                                                                                                                                                                                                            |



Significance is determined through a synthesis of impact characteristics. Significance is an indication of the importance of the impact in terms of both physical extent and time scale, and therefore indicates the level of mitigation required. This describes the significance of the impact on the environmental parameter. The calculation of the significance of an impact uses the following formula:

$$\text{Significance} = (\text{Extent} + \text{probability} + \text{reversibility} + \text{irreplaceability} + \text{duration}) \times \text{magnitude/intensity.}$$

The summation of the different criteria will produce a non-weighted value. By multiplying this value with the magnitude/intensity, the resultant value achieves a weighted characteristic which can be measured and assigned a significance rating.

| Points   | Impact Significance Rating | Description                                                                                                                                                        |
|----------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 to 23  | Negative Low impact        | The anticipated impact will have negligible negative effects and will require little to no mitigation.                                                             |
| 5 to 23  | Positive Low impact        | The anticipated impact will have minor positive effects.                                                                                                           |
| 24 to 42 | Negative Medium impact     | The anticipated impact will have moderate negative effects and will require moderate mitigation measures.                                                          |
| 24 to 42 | Positive Medium impact     | The anticipated impact will have moderate positive effects.                                                                                                        |
| 43 to 61 | Negative High impact       | The anticipated impact will have significant effects and will require significant mitigation measures to achieve an acceptable level of impact.                    |
| 43 to 61 | Positive High impact       | The anticipated impact will have significant positive effects.                                                                                                     |
| 62 to 80 | Negative Very high impact  | The anticipated impact will have highly significant effects and are unlikely to be able to be mitigated adequately. These impacts could be considered fatal flaws. |
| 62 to 80 | Positive Very high impact  | The anticipated impact will have highly significant positive effects.                                                                                              |

The table below is to be represented in the Impact Assessment section of the report. The excel spreadsheet template can be used to complete the Impact Assessment.

**Table 2:** Rating of impacts template and example

| ENVIRONMENTAL PARAMETER                | ISSUE / IMPACT / ENVIRONMENTAL EFFECT/ NATURE                                                                                                          | ENVIRONMENTAL SIGNIFICANCE BEFORE MITIGATION |   |   |   |   |       |       |                 |        | RECOMMENDED MITIGATION MEASURES                                                                                                                                                      | ENVIRONMENTAL SIGNIFICANCE AFTER MITIGATION |   |   |   |   |       |       |                 |     |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---|---|---|---|-------|-------|-----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|---|---|---|-------|-------|-----------------|-----|
|                                        |                                                                                                                                                        | E                                            | P | R | L | D | I / M | TOTAL | STATUS (+ OR -) | S      |                                                                                                                                                                                      | E                                           | P | R | L | D | I / M | TOTAL | STATUS (+ OR -) | S   |
| <b>Construction Phase</b>              |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |
| Vegetation and protected plant species | Vegetation clearing for access roads, turbines and their service areas and other infrastructure will impact on vegetation and protected plant species. | 2                                            | 4 | 2 | 2 | 3 | 3     | 39    | -               | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2                                           | 4 | 2 | 1 | 3 | 2     | 24    | -               | Low |
|                                        |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |
| <b>Operational Phase</b>               |                                                                                                                                                        |                                              |   |   |   |   |       |       |                 |        |                                                                                                                                                                                      |                                             |   |   |   |   |       |       |                 |     |

|                              |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|-----|
| Fauna                        | Fauna will be negatively affected by the operation of the wind farm due to the human disturbance, the presence of vehicles on the site and possibly by noise generated by the wind turbines as well.    | 2 | 3 | 2 | 1 | 4 | 3 | 36 | - | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2 | 2 | 2 | 1 | 4 | 2 | 22 | - | Low |
| <b>Decommissioning Phase</b> |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |
| Fauna                        | Fauna will be negatively affected by the decommissioning of the wind farm due to the human disturbance, the presence and operation of vehicles and heavy machinery on the site and the noise generated. | 2 | 3 | 2 | 1 | 2 | 3 | 30 | - | Medium | Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr. | 2 | 2 | 2 | 1 | 2 | 2 | 18 | - | Low |
| <b>Cumulative</b>            |                                                                                                                                                                                                         |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                      |   |   |   |   |   |   |    |   |     |

|                                         |                                                                                                                                                                      |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                             |   |   |   |   |   |   |    |   |     |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|----|---|-----|
| <p>Broad-scale ecological processes</p> | <p>Transformation and presence of the facility will contribute to cumulative habitat loss and impacts on broad-scale ecological processes such as fragmentation.</p> | 2 | 4 | 2 | 2 | 3 | 2 | 26 | - | Medium | <p>Outline/explain the mitigation measures to be undertaken to ameliorate the impacts that are likely to arise from the proposed activity. These measures will be detailed in the EMPr.</p> | 2 | 3 | 2 | 1 | 3 | 2 | 22 | - | Low |
|                                         |                                                                                                                                                                      |   |   |   |   |   |   |    |   |        |                                                                                                                                                                                             |   |   |   |   |   |   |    |   |     |

