

**Onderwerp:** Mainstream se Batterykragbergingsstelsels vir verskeie Hernubare Kragaanlegte in die Noord-Kaap: aanvang van KBEV-kommentaartydperk

Geagte Belangstellende en/of Geaffekteerde Party

**BASIESE EVALUERING (BE) VIR DIE BEOOGDE OPRIGTING EN BEDRYF VAN BATTERYKRAGBERGINGSTELSELS (BESS'e) EN VERWANTE INFRASTRUKTUUR EN INSLUITING VAN BYKOMENDE GELYSDE AKTIWITEITE VIR VERSKEIE HERNUBARE KRAGANLEGTE (REF's) IN DIE NOORD-KAAPPROVINSIE VAN SUID-AFRIKA**

Geliewe kennis te neem dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna 'Mainstream' genoem) SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringspraktisyn (OEP) vir die bogenoemde projekte. SiVEST is besig om die Basiese Ewalueringsprosesse (BE-prosesse) vir die beoogde ontwikkelings te onderneem.

Ons maak graag van hierdie geleentheid gebruik om u in te lig dat die Konsep Basiese Ewalueringsverslae (KBEV's) vir die bogenoemde projekte ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) (soos gewysig), beskikbaar sal wees vir openbare kommentaar en insae vanaf **Vrydag, 13 November 2020 tot Maandag, 14 Desember 2020** (teen sluitingstyd).

Die verslae kan ook afgelaai word by die Datavrye Portaalwebwerf <http://enviroenergy.sivest.co.za/download/16499BA> waar alle geregistreerde B&GP's die dokumente kosteloos tydens die 30-dae kommentaar- en insaetydperk kan aflaai.

As u elektroniese kopieë van die KBEV's wil ontvang, moet u dit asseblief skriftelik by ons versoek. Elektroniese kopieë van die KBEV's kan op 'n digitale tablet besigtig word wat by die volgende plekke voorsien word.

PLEK	VERSLAE	STRAATADRES	URE	KONTAKNO.
Prieska Polisiestatie	<b>Mierdam KBEV, Platsjambok-oos KBEV en Platsjambok-wes KBEV</b>	Stewartstraat, Prieska	10:00 – 13:00 13:45 – 16:30	053 353 5305
Loeriesfontein Biblioteek	<b>Dwarsrug KBEV en Loeriesfontein KBEV</b>	Pleinstraat, Loeriesfontein	08:00 – 16:00	027 662 1603
Kimberley Openbare Biblioteek	<b>Droogfontein KBEV</b>	H/v Sidney- en Chapelstraat (SSK)	09:00 – 18:00	053 830 6242/3/4

Die verslae, sowel as die meegaande bylaes, is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, klik op 'Downloads', soek dan vir die legger '16499 Mainstream BESS'. Gebruik asseblief 'Mierdam/Platsjambok-oos/Platsjambok-wes/Dwarsrug/Loeriesfontein en Droogfontein' as verwysing in u korrespondensie, sou u kommentaar projekspesifiek wees.

**Aangeheg is 'n brief in Afrikaans en Engels wat u in kennis stel van die insaetydperk.**

\*\*\*\*\*

**Subject:** Mainstream’s Battery Energy Storage Systems for various Renewable Energy Facilities in the Northern Cape: DBAR Comment Period Starting

Dear Interested and/or Affected Party

**BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR VARIOUS RENEWABLE ENERGY FACILITIES (REFs) IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA**

Please note that SiVEST SA (Pty) Ltd has been appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd (here after referred to as “Mainstream”) as the Environmental Assessment Practitioner (EAP) for the above-mentioned projects. SiVEST is in the process of undertaking the Basic Assessments (BAs) processes for the proposed developments.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be available for public comment and review as from **Friday 13 November 2020 to Monday 14 December 2020** (end of business day).

The reports can also be downloaded from the following Data Free Portal website <http://enviroenergy.sivest.co.za/download/16499BA> whereby all registered I&APs can download the documents at no cost during the 30- day comment and review period.

Should you wish to receive electronic copies of the DBARs, please forward your request in writing to us. Electronic copies of the DBARs can be reviewed on a digital Tablet provided at the following locations.

VENUE	REPORTS	STREET ADDRESS	HOURS	CONTACT NO
Prieska Police Station	<b>Mierdam DBAR, Platsjambok East DBAR and Platsjambok West DBAR</b>	Stewart St, Prieska.	10:00 - 13:00 13:45 - 16:30	<a href="tel:0533535305">053 353 5305</a>
Loeriesfontein Library	<b>Dwarsrug DBAR and Loeriesfontein DBAR</b>	Plein Street, Loeriesfontein	08:00 - 16:00	027 662 1603
Kimberley Public Library	<b>Droogfontein DBAR</b>	c/o Sidney and Chapel Streets (CBD)	09:00 – 18:00	053 830 6242 /3/4

The reports as well as the accompanying appendices are also available on SiVEST’s website: <http://www.sivest.co.za/>, click on ‘Downloads’, then browse to the folder ‘16499 Mainstream BESS’. Please reference ‘Mierdam / Platsjambok East / Platsjambok West / Dwarsrug / Loeriesfontein and Droogfontein’ in your correspondence, should your comments be project specific.

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

\*\*\*\*\*

## SiVEST

Autumnweg 12, Rivonia, 2128  
Posbus 2921, Rivonia, 2128  
Gauteng, Suid-Afrika



Gestig in 1952

Afdeling: Environmental Consulting  
U verwysing:  
Ons verwysing: 16499  
Datum: 13 November 2020

Geagte Belangstellende en/of Geaffekteerde Party/Belanghebber

### **BASIESE EVALUERING (BE) VIR DIE BEOOGDE OPRIGTING EN BEDRYF VAN BATTERYKRAGBERGINGSTELSELS (BESS'e) EN VERWANTE INFRASTRUKTUUR EN INSLUITING VAN BYKOMENDE GELYSSTE AKTIWITEITE VIR VERSKEIE HERNUBARE KRAGANLEGTE (REF's) IN DIE NOORD-KAAPPROVINSIE VAN SUID-AFRIKA**

Geliewe kennis te neem dat South Africa Mainstream Renewable Power Developments (Edms.) Bpk. (hierna 'Mainstream' genoem) SiVEST SA (Edms.) Bpk. aangestel het as die Omgewingsevalueringspraktisyn (OEP) vir die bogenoemde projekte. SiVEST is besig om die Basiese Ewalueringsprosesse (BE-prosesse) vir die beoogde ontwikkelings te onderneem.

Ons maak graag van hierdie geleentheid gebruik om u in te lig dat die Konsep Basiese Ewalueringsverslae (KBEV's) vir die bogenoemde projekte ingevolge die Nasionale Wet op Omgewingsbestuur, 1998 (Wet 107 van 1998) (NEMA) (soos gewysig), beskikbaar sal wees vir openbare kommentaar en insae vanaf **Vrydag, 13 November 2020 tot Maandag, 14 Desember 2020** (teen sluitingstyd).

Die verslae kan ook afgelaai word by die Datavrye Portaalwebwerf <http://enviroenergy.sivest.co.za/download/16499BA> waar alle geregistreerde B&GP's die dokumente kosteloos tydens die 30-dae kommentaar- en insaetydperk kan aflaai.

As u 'n elektroniese kopie van die KBEV's (op CD/geheuestokkie/Dropbox) wil ontvang, moet u dit asseblief skriftelik by ons versoek. Kommentaar kan ingedien word by:

#### **Hlengiwe Ntuli**

Posbus 2921, RIVONIA, 2128

Telefoon: 011 798 0600

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

Faks: 011 803 7272

As u elektroniese kopieë van die KBEV's wil ontvang, moet u dit asseblief skriftelik by ons versoek. Elektroniese kopieë van die KBEV kan op 'n digitale tablet besigtig word wat by die volgende plekke voorsien word:

PLEK	VERSLAE	STRAATADRES	URE	KONTAKNO.
Prieska Polisiestatie	<b>Mierdam KBEV, Platsjambok-oois KBEV en Platsjambok-wes KBEV</b>	Stewartstraat, Prieska	10:00 – 13:00 13:45 – 16:30	053 353 5305
Loeriesfontein Biblioteek	<b>Dwarsrug KBEV en Loeriesfontein KBEV</b>	Pleinstraat, Loeriesfontein	08:00 – 16:00	027 662 1603
Kimberley Openbare Biblioteek	<b>Droogfontein KBEV</b>	H/v Sidney- en Chapelstraat, Kimberley SSK	09:00 – 18:00	053 830 6242/3/4

Die verslae, sowel as die meegaande bylaes, is ook beskikbaar op SiVEST se webwerf: <http://www.sivest.co.za/>, kliek op 'Downloads', soek dan vir die legger '16499 Mainstream BESS'. Gebruik asseblief 'Mierdam/Platsjambok-

Part of the SiVEST Group SiVEST SA (Pty) Ltd Registration No. 2000/006717/07 t/a SiVEST

#### South Africa

Durban +27 31 581 1500

East London +27 43 721 2819

Johannesburg +27 11 798 0600

Pietermaritzburg +27 33 347 1600

Pretoria +27 11 798 0600

Richards Bay +27 35 789 2066

[info@sivest.co.za](mailto:info@sivest.co.za) [www.sivest.co.za](http://www.sivest.co.za)

#### Mauritius

SiVEST Mauritius

Port Louis +230 212 2215

Daniel Wong Chung Co. Ltd

Curepipe +230 674 5727

#### United Kingdom

MBM Consulting

London, England +44 0203 817 7691

Tunbridge Wells, England +44 1892 557 290

[www.mbmconsult.com](http://www.mbmconsult.com)

*oos/Platsjambok-wes/Dwarsrug/Loeriesfontein en Droogfontein*' as verwysing in u korrespondensie, sou u kommentaar projekspesifiek wees.

Ons dank u by voorbaat vir u aktiewe en waardevolle bydrae tot die BE- en Openbare Deelnameproses.

Die uwe

Liandra Scott-Shaw  
Omgewingskonsultant  
**SiVEST**

**SiVEST**

12 Autumn Road, Rivonia, 2128  
 PO Box 2921, Rivonia, 2128  
 Gauteng, South Africa



Established 1952

Division: Environmental Consulting  
 Your Reference:  
 Our Reference: 16499  
 Date: 13 November 2020

Dear Interested and/or Affected Party / Stakeholder

**BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR VARIOUS RENEWABLE ENERGY FACILITIES (REFs) IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA**

Please note that SiVEST SA (Pty) Ltd has been appointed by South Africa Mainstream Renewable Power Developments (Pty) Ltd (here after referred to as "Mainstream") as the Environmental Assessment Practitioner (EAP) for the above-mentioned projects. SiVEST is in the process of undertaking the Basic Assessments (BAs) processes for the proposed developments.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) for the above-mentioned projects will be available for public comment and review as from **Friday 13 November 2020 to Monday 14 December 2020** (end of business day).

The reports can also be downloaded from the following Data Free Portal website <http://enviroenergy.sivest.co.za/download/16499BA> whereby all registered I&APs can download the documents at no cost during the 30-day comment and review period.

Should you wish to receive an electronic copy of the DBARs (on CD/Flash drive/ Dropbox), please forward your request in writing to us. Comments can be submitted to:

**Hlengiwe Ntuli**

PO Box 2921, RIVONIA, 2128  
 Phone: (011) 798 0600  
 E-mail: [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za) / [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [stephanj@sivest.co.za](mailto:stephanj@sivest.co.za)  
 Fax: (011) 803 7272

Should you wish to receive electronic copies of the DBARs, please forward your request in writing to us. Electronic copies of the DBAR can be reviewed on a digital Tablet provided at the following locations.

VENUE	REPORTS	STREET ADDRESS	HOURS	CONTACT NO
Prieska Police Station	<b>Mierdam DBAR, Platsjambok East DBAR and Platsjambok West DBAR</b>	Stewart St, Prieska.	10:00 - 13:00 13:45 - 16:30	<a href="tel:0533535305">053 353 5305</a>
Loeriesfontein Library	<b>Dwarsrug DBAR and Loeriesfontein DBAR</b>	Plein Street, Loeriesfontein	08:00 - 16:00	027 662 1603

Part of the SiVEST Group SiVEST SA (Pty) Ltd Registration No. 2000/006717/07 t/a SiVEST

**South Africa**

Durban +27 31 581 1500  
 East London +27 43 721 2819  
 Johannesburg +27 11 798 0600  
 Pietermaritzburg +27 33 347 1600  
 Pretoria +27 11 798 0600  
 Richards Bay +27 35 789 2066  
[info@sivest.co.za](mailto:info@sivest.co.za) [www.sivest.co.za](http://www.sivest.co.za)

**Mauritius**

SiVEST Mauritius  
 Port Louis +230 212 2215  
 Daniel Wong Chung Co. Ltd  
 Curepipe +230 674 5727

**United Kingdom**

MBM Consulting  
 London, England +44 0203 817 7691  
 Tunbridge Wells, England +44 1892 557 290  
[www.mbmconsult.com](http://www.mbmconsult.com)



Kimberley Public Library	<b>Droogfontein</b> DBAR	c/o Sidney and Chapel Streets, Kimberley CBD	09:00 – 18:00	053 830 6242 /3/4
--------------------------	-----------------------------	---	---------------	-------------------

The reports as well as the accompanying appendices are also available on SiVEST's website: <http://www.sivest.co.za/>, click on 'Downloads', then browse to the folder '16499 Mainstream BESS'. Please reference 'Mierdam / Platsjambok East / Platsjambok West / Dwarsrug / Loeriesfontein and Droogfontein' in your correspondence, should your comments be project specific.

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

Yours faithfully

Liandra Scott-Shaw  
Environmental Consultant  
**SiVEST**

Proposed Developments of the Mainstream's Battery Energy Storage Systems for various Renewable Energy Facilities in the Northern Cape: Draft Basic Assessment Reports now also available for comment at Prieska Police Station, Kimberley Public Library, Loeriesfontein Library.

The reports as well as the accompanying appendices are also available at <http://enviroenergy.sivest.co.za/download/16499BA> which is a Data Free Portal and therefore all registered Interested and/or Affected Parties can download the document at no data cost to themselves. Info Hlengiwe 0117980600.

\*\*\*\*\*

Proposed Developments of the Mainstream's Battery Energy Storage Systems for various Renewable Energy Facilities in the Northern Cape: Draft Basic Assessment Reports now also available for comment at Prieska Police Station, Kimberley Public Library, Loeriesfontein Library.

The reports as well as the accompanying appendices are also available at <http://enviroenergy.sivest.co.za/download/16499BA> which is a Data Free Portal and therefore all registered Interested and/or Affected Parties can download the document at no data cost to themselves. Info Hlengiwe 0117980600.

\*\*\*\*\*

Beoogde ontwikkelings van Mainstream se Batterykragbergingstelsels vir verskeie Hernubare Kragaanlegte in die Noord-Kaap: Konsep Basiese Evalueeringsverslae is nou ook beskikbaar vir kommentaar by Prieska Polisiestatie, Kimberley Openbare Biblioteek, Loeriesfontein Biblioteek.

Die verslae, asook die meegaande bylaes, is ook beskikbaar op <http://enviroenergy.sivest.co.za/download/16499BA> wat 'n Datavrye Portaal is en dus kan alle geregistreerde belangstellende en/of geaffekteerde partye die dokument aflaai teen geen datakoste vir hulself nie. Inligting: Hlengiwe 0117980600.



**KENNISGEWING VAN DIE BASIESE EVALUERING (BE) VIR DIE BEOOGDE OPRIGTING EN BEDRYF VAN BATTERYKRAG-BERGINGSTELSLS (BESS'e) EN VERWANTE INFRASTRUKTUUR MET INSLUITING VAN BYKOMENDE GELYSDE AKTIWITEITE VIR VERSKEIE HERNUBARE KRAGANLEGTE (REF's) IN DIE NOORD-KAAPROVINSIE VAN SUID-AFRIKA**

- Dwarsrug BESS (2020-09-0026);
- Loeriesfontein 3 BESS (2020-09-0029);
- Mierdam BESS (2020-09-0030);
- Platsjambok-oos BESS (2020-09-0031)
- Platsjambok-wes BESS (2020-09-0032)

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

**PROJEKBESKRYWING**

South Africa Mainstream Renewable Power Developments (Edms.) Bpk. beoog die oprigting en bedryf van Batterykrag-bergingstelsels (BESS'e) en verwante infrastruktuur vir die volgende gemagtigde Hernubare Kragaanlegte (REF's) in die Noord-Kaapprovinsie:

- Dwarsrug Windkragaanleg (WEF) (14/12/16/3/2/690);
- Loeriesfontein 3 Fotovoltaïese (FV) Sonkragaanleg (SEF) (12/12/20/2321/2);
- Mierdam FV-sonkragaanleg (SEF) (12/12/20/2320/2);
- Platsjambok-oos FV-sonkragaanleg (SEF) (12/12/20/2320/4); en
- Platsjambok-wes FV-sonkragaanleg (SEF) (12/12/20/2320/5).

Daar word beoog dat die BESS langs die interne substasies of kantoorgeboue op elke REF se ontwikkelingsterrein geleë sal wees. Die batterybergingsgebied se voetspoor sal hoogstens twee (2) hektaar (ha) beslaan en die BESS se vermoë sal hoogstens 200 MWh wees.

Dit sal aanleiding gee tot die volgende Gelyste Aktiwiteite:

Lyskennisgewing:	Aktiwiteitno.:	Beskrywing van aktiwiteit
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	12 (ii) (c)	Die ontwikkeling van— (ii) infrastruktuur of strukture met 'n fisiese voetspoor van 100 vierkantmeter of groter; waar sodanige ontwikkeling plaasvind— (c) as daar geen ontwikkelingsbougrens is nie, binne 32 meter van 'n waterloop af, gemeet van die rand van die waterloop af;
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	14	Die ontwikkeling en verwante bedryf van aanlegte of infrastruktuur vir die berging, of vir die berging en hantering, van 'n gevaarlike stof, waar sodanige berging plaasvind in houers met 'n gesamentlike kapasiteit van 80 m <sup>3</sup> of meer, maar nie meer as 500 m <sup>3</sup> nie.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	19	Die terugvul of afsetting van enige materiaal van meer as 10 kubieke meter in, of die baggering, uitgraving, verwydering of verskuiwing van grond, sand, skulpe, skulpgruis, klippies of klip van meer as 10 kubieke meter by 'n waterloop.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	27	Die ontbossing van 'n gebied van 1 hektaar of meer, maar minder as 20 hektaar van inheemse plantegroei, behalwe waar sodanige ontbossing van inheemse plantegroei vereis word vir— (i) die onderneming van 'n lineêre aktiwiteit; of (ii) instandhoudingsdoeleindes wat ooreenkomstig 'n instandhoudingsbestuursplan onderneem word.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	28 (ii)	Residensiële, gemengde, kleinhandel-, kommersiële, nywerheids- of institusionele ontwikkelings, waar sodanige grondgebruik vir landbou, wildsboerdery, perdrydoeleindes of bosaanplanting was op of ná 1 April 1998 en waar sodanige ontwikkeling— (ii) buite 'n stedelike gebied sal plaasvind waar die totale oppervlak van die grond wat ontwikkel moet word, groter as 1 hektaar is.

Die behoefte vir 'n BESS spruit voort uit die feit dat elektrisiteit slegs deur die REF opgewek sal word terwyl die wind waai of die son skyn en nie noodwendig gedurende tye van piekvraag nie. Gevolglik sal die berging van elektrisiteit en die voorsiening daarvan tydens piekvraag beteken dat die aanleg meer doeltreffend en meer betroubaar sal wees en dat die elektrisiteitsvoorsiening meer bestendig sal wees. Die batterytegnologieë wat tans oorweeg word, is hetsy Vastestaat- of Redoksvloeibatterie.

### PROJEKLISSING

Dwarsrug WEF en Loeriesfontein 3 SEF is geleë naby Loeriesfontein in die Hantam Plaaslike Munisipaliteit, Namakwa-distrik in die Noord-Kaapprovinsie van Suid-Afrika.

Projek	Plaasnaam	Plaas-/Erfno.	Gedeelte	Breedtegraad	Lengtegraad	Soort eiendom
Dwarsrug WEF	Brakpan	212	Restant	30°28'0.73S	19°38'40.15O	Plaas
Loeriesfontein 3 SEF	Aan Die Karree Doorn Pan	213	2	30°24'30.22S	19°34'43.91O	Plaas

Die Mierdam, Platsjambok-oos en Platsjambok-wes SEF's is geleë naby Prieska in die Siyathemba Plaaslike Munisipaliteit, Pixley ka Seme-distrik in die Noord-Kaapprovinsie van Suid-Afrika.

Projek	Plaasnaam	Plaas-/Erfno.	Gedeelte	Breedtegraad	Lengtegraad	Soort eiendom
Mierdam SEF	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63O	Plaas
Platsjambok-oos & Platsjambok-wes SEF's	Platsjambok	102	Restant	30°2'8.73S	22°29'7.31O	Plaas

**Om as 'n belangstellende en/of geaffekteerde party (B&GP) te registreer en/of om bykomende inligting te bekom,** moet u asseblief u naam, kontakbesonderhede (telefoonnommer, pos- en e-posadres) en die belang wat u by die aansoek het aan SiVEST by die onderstaande besonderhede verstrek en die verwysing 'Mainstream REF's' in u korrespondensie gebruik:

SiVEST Environmental  
Posbus 2921  
RIVONIA  
2128

**Hlengiwe Ntuli**  
Tel: 011 798 0600  
Faks: 011 803 7272  
E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)  
Webwerf: [www.sivest.co.za](http://www.sivest.co.za)

**NOTICE OF THE BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR VARIOUS RENEWABLE ENERGY FACILITIES (REFs) IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA**

- Dwarsrug BESS (2020-09-0026);
- Loeriesfontein 3 BESS (2020-09-0029);
- Mierdam BESS (2020-09-0030);
- Platsjambok East BESS (2020-09-0031)
- Platsjambok West BESS (2020-09-0032)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 07 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (here after referred to as “Mainstream”) has appointed SiVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Basic Assessments (BAs) and Public Participation Processes (PPP) for the above-mentioned developments.

**PROJECT DESCRIPTION**

South Africa Mainstream Renewable Power Developments (Pty) Ltd is proposing the construction and operation of Battery Energy Storage Systems (BESS) and associated infrastructure for the following authorised Renewable Energy Facilities (REF) in the Northern Cape Province:

- Dwarsrug Wind Energy Facility (WEF) (14/12/16/3/3/2/690);
- Loeriesfontein 3 Solar Photovoltaic (PV) Energy Facility (SEF) (12/12/20/2321/2);
- Mierdam PV Solar Energy Facility (SEF) (12/12/20/2320/2);
- Platsjambok East PV Solar Energy Facility (SEF) (12/12/20/2320/4)
- Platsjambok West PV Solar Energy Facility (SEF) (12/12/20/2320/5)

It is proposed that the BESS will be located adjacent to the on-site substations or office buildings on each REF development site. The footprint of the battery storage area will be up to two (2) hectares (ha) and the BESS capacity will be up to 200MWh.

The following Listed Activities will be triggered:

Listing notice:	Activity No:	Activity description
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	12 (ii) (c)	The development of— (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> .
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	19	The infilling or depositing of any material of more than 10 cubic meters into, or the dredging, excavation, removal or moving of soil, sand shells, shell grit, pebbles or rock of more than 10 cubic meters from a watercourse.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	28 (ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;

The need for a BESS stems from the fact that electricity is only produced by the REF while the wind is blowing or the sun is shining, and not necessarily during periods of peak demand. As such, the storage of electricity and supply thereof during peak demand will mean that the facility is more efficient, more reliable and electricity supply will be more constant. Currently, the battery technologies being considered are either Solid State Batteries or Redox Flow Batteries.

**PROJECT LOCATION**

Dwarsrug WEF and Loeriesfontein 3 SEF are located near Loeriesfontein in the Hantam Local Municipality, Namakwa District in the Northern Cape Province of South Africa.

Project	Farm Name	Farm / Erf No	Portion	Latitude	Longitude	Property Type
Dwarsrug WEF	Brakpan	212	REM	30°28'0.73S	19°38'40.15E	Farm
Loeriesfontein 3 SEF	Aan Die Karree Doorn Pan	213	2	30°24'30.22S	19°34'43.91E	Farm

The Mierdam, Platsjambok East and Platsjambok West SEFs are located near Prieska in the Siyathemba Local Municipality, Pixley ka Seme District in the Northern Cape Province of South Africa.

Project	Farm Name	Farm / Erf No	Portion	Latitude	Longitude	Property Type
Mierdam SEF	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63E	Farm
Platsjambok East & Platsjambok West SEFs	Platsjambok	102	REM	30°2'8.73S	22°29'7.31E	Farm

**To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information** please submit your name, contact details (telephone number, postal address and email address) and the interest which you have in the application to SiVEST as per the details below and please reference the 'Mainstream REFS' in your correspondence:

**Hlengiwe Ntuli**

SiVEST Environmental  
P O Box 2921  
RIVONIA  
2128

Tel: (011) 798 0600  
Fax: (011) 803 7272  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)  
Website: [www.sivest.co.za](http://www.sivest.co.za)



**KIMBERLEY** – Die Demokratiese Alliansie (DA) in die Noord-Kaap sal 'n klag by die kantoor van die openbare beskermer indien oor beweerde plundery van openbare fondse by Gakgatsang Primêr in Kamden Village.

So sê Ofentse Mokae, LPW DA Noord-Kaapse kiesafdelingshoof vir Joe Morolong. Die skoolbeheerliggaam versoek die skorsing van die skoolhoof Tshapiro Motabogi, wat daarvan verdink word dat hy vir 'n aantal jare geld van die departement van basiese onderwys vir die Nasionale Skoolvoedingsprogram (NSNP) ontvang het.

Dit is onlangs onder ons aandag gebring dat Motabogi se seun, Pako Motabogi, na bewering onder die firma Mohi Projects, voordeel getrek het uit tenderprosesse by die skool tussen 2016 en 2018, wat 'n noemenswaardige botsing van belange geskep het.

## PLUNDERY VAN SKOOL SE FONDSE

# Skoolhoof se seun het tender gekry

In 2018 moes Mohi Projects glo 25 staallemmers aanskaaf wat gewoonlik gebruik word om water op die skoolterrein op te berg. Hul vra normaalweg net vir R120 per eenheid.

Op enige normale dag sou hierdie staallemmers altesaam net R3 000 kos, maar vir die seun van die skoolhoof beloop die aankoop glo 'n verstormende R35 000. Tot op hede het die SBL nog nooit 'n emmer gesien waarvoor Motabogi R1 400 per eenheid gevra het nie.

Die SBL het na bewering Matabogi by verskeie geleenthede versoek om die finansiële verslae van vorige jare aan hulle te wys en is tskens met arrogansie en onkunde begroet. Die Joe Morolong kringbestuurder is ook deeglik bewus van die aantygings van finansiële wangedrag teen Matabogi, maar draai steeds doekies daarom.

Dit is betreurenswaardig vir 'n skoolhoof om toe te laat dat kos uit die mond gesteel word van leerders wat meestal op skoolvoedingsprogramme staatmaak vir 'n bord kos.

Dit is ook onaantwoordbaar dat Matabogi haar mag misbruik en die versoek van die SBG, wat gelyke regte het as die besluitnemers van die skool, blatant ignoreer.

Die DA sal 'n formele klag by die kantoor van die openbare beskermer indien.

Die DA veroordeel ten sterkste die misbruik van mag en korrupsie deur hooggeplaaste amptenare, wie misbruik maak van openbare fondse wat bedoel is om die lewens van ons kwesbaarste mense te verbeter. Namate ons 'aanhou veg teen die koronavirus-pandemie, word dit toenemend duidelik dat korrupsiepanidemie net so 'n groot bedreiging vir hierdie land by.

**BRIEFSKRYWER**  
MARIANNE HENNIG van Prieska was die skrywer van die brief wat lesers uitnooi om die koerant op te kikker met hul eie bydraes vir 'n kunsteblad.



**24 Jaar gelede**  
NOORDWESTER: 19 Januarie 1996. Hoërskool Calvinia se matriekklas van 1995 spog weer met 'n 100% slaagsyfer waarvan 18 uit die 41 leerlinge matriekulasie vrystelling verwerf het. Die afgelope vier jaar het die skool geen matriekrupeilinge gehad nie, voorwaar 'n perstasie as jy vat dat dit uit 'n totaal van 163 leerlinge is.

**SIVEST**  
Environmental Division  
Established in 1952

**NOTICE OF THE BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF BATTERY ENERGY STORAGE SYSTEMS (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR VARIOUS RENEWABLE ENERGY FACILITIES (REF's) IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA**

- \* Dwarsrug BESS (2020-09-0026)
- \* Loeriesfontein 3 BESS (2020-09-0029)
- \* Mierdam BESS (2020-09-0030)
- \* Platsjambok East BESS (2020-09-0031)
- \* Platsjambok West BESS (2020-09-0032)

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 07 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Developments (Pty) Ltd (here after referred to as "Mainstream") has appointed SIVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Basic Assessments (BA's) and Public Participation Processes (PPP) for the above-mentioned developments.

**PROJECT DESCRIPTION**

South Africa Mainstream Renewable Power Developments (Pty.) Ltd. is proposing the construction and operation of Battery Energy Storage Systems (BESS) and associated infrastructure for the following authorised Renewable Energy Facilities in the Northern Cape Province:

- \* Dwarsrug Wind Energy Facility (WEF) (14/12/16/3/3/2/690);
- \* Loeriesfontein 3 Solar Photovoltaic (PV) Energy Facility (SEF) (12/12/20/2321/2);
- \* Mierdam PV Solar Energy Facility (SEF) (12/12/20/2320/2);
- \* Platsjambok East PV Solar Energy Facility (SEF) (12/12/20/2320/4)
- \* Platsjambok West PV Solar Energy Facility (SEF) (12/12/20/2320/5)

It is proposed that the BESS will be located adjacent to the on-site substations or office buildings on each REF development site. The footprint of the battery storage area will be up to two (2) hectares (ha) and the BESS capacity will be up to 200MWh. The following Listed Activities will be triggered:

Listing notice:	Activity No:	Activity description
GNR 983 of 4th December 2014 (as amended)	12 (ii) (c)	The Development of - (ii) infrastructure or structures with a physical footprint of 100 square metres or more, where such development occurs - (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;
GNR 983 of 4th December 2014 (as amended)	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> .
GNR 983 of 4th December 2014 (as amended)	19	The infilling or depositing of any material more than 10 cubic centimeters into, or the dredging, excavation, removal or moving of soil, sand shells, shell grit, pebbles or rock more than 10 cubic centimeters from a watercourse.
NR 983 of 4th December 2014 (as amended)	27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for - (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.
NR 983 of 4th December 2014 (as amended)	28 (ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;

The need for a BESS stems from the fact that electricity is only produced by the REF while the wind is blowing or the sun is shining, and not necessarily during periods of peak demand. As such, the storage of electricity and supply thereof during peak demand will mean that the facility is more efficient, more reliable and electricity supply will be more constant. Currently, the battery technologies being considered are either Solid State Batteries or Redox Flow Batteries.

**PROJECT LOCATION**

Dwarsrug WEF and Loeriesfontein 3 SEF are located near Loeriesfontein in the Hantam Local Municipality, Namakwa District in the Northern Cape Province of South Africa.

Project	Farm Name	Farm/Erf No	Portion	Latitude	Longitude	Property Type
Dwarsrug WEF	Brakpan	212	REM	30°28'0.73S	19°38'40.15E	Farm
Loeriesfontein 3 SEF	Aan Die Karree Doorn Pan	213	2	30°24'30.22S	19°34'43.91E	Farm

The Mierdam, Platsjambok East and Platsjambok West SEF's are located near Prieska in the Siyathemba Local Municipality, Pixley ka Seme District in the Northern Cape Province of South Africa.

Project	Farm Name	Farm/Erf No	Portion	Latitude	Longitude	Property Type
Mierdam SEF	Kaffirs Kaik	118	1	30°4'50.07S	22°22'32.63E	Farm
Platsjambok East & Platsjambok West SEFs	Platsjambok	102	REM	30°2'8.73S	22°29'7.31E	Farm

**To register as an interested and / or Affected Party (I&AP) and / or to obtain additional information** please submit your name, contact details (telephone number, postal address and email address) and the interest which you have in the application to SIVEST as per the details below and please reference the 'Mainstream REFs' in your correspondence:

**Hengwiwe Ntuli**  
SIVEST Environmental Tel: (011) 798 0600  
P O Box 2921 Fax: (011) 803 7272  
RIVONIA E-mail: hngwiwen@sivest.co.za sivist\_ppp@sivest.co.za  
2128 Website: www.sivest.co.za

**NOORDWESTER UITGEWERS**  
SKRYFBEHOEFTE HANDELAARS  
*Drukkers vir munisipaliteite en sakeondernemings*  
FOON 027 341 1026 FAKS 027 341 1686  
E-pos: noordwester@hantam.co.za

**KAREEBERG MUNISIPALITEIT**  
55/2020  
**TENDERS: NUWE VOERTUIE**  
Tenders word hiermee ingewag vir 'n nuwe watervragmotor en 'n nuwe suigtenkvrugmotor afgelewer op Carnarvon. Volledige besonderhede en spesifikasies van voertuie wat aangebied word moet ingesluit word in die tenders. Die voertuie moet by aflewering geregistreer wees.  
Meer besonderhede is op aanvraag verkrygbaar by die Hoof Operasionele Bestuurder.  
Tenderaars moet hulle unieke MAAA nommer verstrek.  
Tenders sal verwerp word indien die voorgeskrewe verklaring van belange vorm (MBD4) nie aangeheg is nie. Geliewe daarop te let dat evaluering op die 80/20-puntstelsel sal geskied, en derhalwe moet die vorm MBD 6.1 ook ingedien word vir beoordeling op die 20-puntstelsel. Die ingevulde vorms MBD9 en MBD 8 moet ook aangeheg wees met bewys dat geen gelde aan 'n munisipaliteit verskuldig is ten opsigte van dienste en eiendomsbelasting. In geval van 'n maatskappy moet die direkteure se rekenings aangeheg word.  
Verseelde tenders gmerk "TENDERS: VOERTUIE" moet die ondergetekende voor of op Vrydag, 27 November 2020 om 12:00 bereik, waarna dit in die openbaar oopgemaak sal word.  
Die Munisipaliteit verbind hom nie om die laagste of enige tenders te aanvaar nie, en behou die reg voor om enige tenders as geheel of gedeeltelik te aanvaar.  
**MNR. Z. MJANDANA** Posbus 10  
Waarnemende Munisipale Bestuurder Carnarvon 8925  
Tel. 053 382 3012  
6 November 2020

**BASIC ASSESSMENT**

**DEFF Reference number: 14/12/16/3/3/1/2260**

**COMMENTS AND RESPONSE REPORT (C&RR) – BASIC ASSESSMENT REPORT (BAR)**

**PROPOSED CONSTRUCTION AND OPERATION OF THE BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE FOR THE AUTHORISED MIERDAM, SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITIES, LOCATED NEAR THE TOWN OF PRIESKA, IN THE SIYATHEMBA LOCAL MUNICIPALITY, PIXLEY KA SEME DISTRICT IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA**

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

**NOVEMBER 2020 – JANUARY 2021  
(Review of BAR: 13 November 2020 – 14 December 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).

Similar issues raised have been grouped together. The name, affiliation and date of the commentator are also indicated. All comments in the C&RR are verbatim as received. Comments addressed via email are indicated in the Responded by column

## **GENERAL ABBREVIATIONS**

<b>AIA</b>	Archaeological Impact Assessment
<b>AQIA</b>	Air Quality Impact Assessment
<b>BA</b>	Basic Assessment
<b>BAR</b>	Basic Assessment Report
<b>BID</b>	Background Information Document
<b>CLA</b>	Cultural Landscape Assessment
<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>DSR</b>	Draft Scoping Report
<b>EA</b>	Environmental Authorisation
<b>EAP</b>	Environmental Assessment Practitioner
<b>EIA</b>	Environmental Impact Assessment
<b>EMPr</b>	Environmental Management Programme
<b>FSR</b>	Final Scoping Report
<b>GA</b>	General Authorisation
<b>Ha</b>	Hectares
<b>HIA</b>	Heritage Impact Assessment
<b>I&amp;AP</b>	Interested and/or Affected Parties
<b>KML</b>	Keyhole Markup Language
<b>KMZ</b>	Keyhole Markup Language Zipped
<b>LN</b>	Listing Notice
<b>NEMA</b>	National Environmental Management Act
<b>NHRA</b>	National heritage Resource Act
<b>NID</b>	Notice of Intent to Develop
<b>PIA</b>	Palaeontological Impact Assessment
<b>PPA</b>	Power Purchase Agreement
<b>PV</b>	Photovoltaic
<b>REDZ</b>	Renewable Energy Development Zone
<b>REM</b>	Remainder
<b>SANRAL</b>	South African National Roads Agency
<b>SWMP</b>	Storm Water Management Plan
<b>TOPs</b>	Threatened or Protected Species
<b>VIA</b>	Visual Impact Assessment
<b>WEF</b>	Wind Energy Facility
<b>WULA</b>	Water Use License Application



**Comments on the Environmental Impact Assessment Report**

No.	Date Received	Method	Issue/ Comment/ Correspondence	Sent By	Response	Responded by
1	16 November 2020	Email	<p><u>Good day</u></p> <p><u>Thank you for your email.</u></p> <p><u>Please forward all EIA communications to Nicole Abrahams at <a href="mailto:abrahamsn@nra.co.za">abrahamsn@nra.co.za</a>, for comment.</u></p> <p><u>Please remove my name from your database.</u></p> <p><u>Kind regards</u></p>	<p><u>René de Kock</u></p> <p><u>Statutory Control</u></p> <p><u>Western Region</u></p> <p><u>SANRAL</u></p>	<p><u>Good Day Rene,</u></p> <p><u>Thank you for your email, it is duly noted.</u></p> <p><u>I have removed you from our database.</u></p>	<p><u>Hlengiwe Ntuli (SiVEST) via email on 16 November 2020</u></p>
2	16 November 2020	Email	<p><u>Dear Applicant</u></p> <p><u>Thank you for your e-mail notification.</u></p> <p><u>Please direct all future environmental matters to Ms Nicole Abrahams who is the environmental practitioner in the</u></p> <p><u>Western Region. I have copied her into this e-mail.</u></p> <p><u>Please remove my name from your mailing list and database.</u></p> <p><u>Kind Regards</u></p>	<p><u>Colene Runkel</u></p> <p><u>Statutory Control</u></p> <p><u>Western Region</u></p> <p><u>SANRAL</u></p>	<p><u>Good Day Colene,</u></p> <p><u>Thank you for Your email, it is duly noted.</u></p> <p><u>I have removed you from our database.</u></p>	<p><u>Hlengiwe Ntuli (SiVEST) via email on 16 November 2020</u></p>

3	19 November 2020	Email	<p><u>Dear Applicant</u></p> <p><u>Thank you for your e-mail notification.</u></p> <p><u>Please direct all future environmental matters to Ms Nicole Abrahams who is the environmental practitioner in the</u></p> <p><u>Western Region. I have copied her into this e-mail.</u></p> <p><u>Please remove my name from your mailing list and database.</u></p> <p> </p> <p><u>Kind Regards</u></p>	<p><u>Colene Runkel</u></p> <p><u>Statutory Control</u></p> <p><u>Western Region</u></p> <p><u>SANRAL</u></p>	<p><u>Dear Barbara</u></p> <p><u>Please see the link to the projects below:</u></p> <p><a href="http://enviroenergy.sivest.co.za/download/16499BA">http://enviroenergy.sivest.co.za/download/16499BA</a></p> <p><u>Please call me if you have any queries</u></p> <p> </p> <p><u>Kind regards</u></p>	<p><u>Liandra Scott-Shaw (SiVEST) via email on 19 November 2020</u></p>
4	14 December 2020	Letter Via Email	<p><b><u>COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE FOR THE MIERDAM SOLAR PV FACILITY, LOCATED NEAR LOERIESFONTEIN, NAMAKWA DISTRICT WITHIN THE NORTHERN CAPE PROVINCE</u></b></p> <p> </p> <p><u>The application form and draft Basic Assessment Report (BAR) dated November 2020, received by this Department on 13 November 2020 and acknowledged on the 18 November 2020, refer.</u></p>	<p><b><u>Integrated Environmental Authorisations</u></b></p> <p><b><u>Department of Environment, Forestry and Fisheries (DEFF)</u></b></p> <p><b><u>Tel.: 012 399 8630</u></b></p> <p><b><u>Email:</u></b> <b><u><a href="mailto:EIAdmin@environment.gov.za">EIAdmin@environment.gov.za</a></u></b></p>		<p><u>Liandra Scott-Shaw- EAP – (SiVEST) via CRR on 18 January 2020</u></p>

		<p><u>This letter serves to inform you that the following information must be included to the final BAR:</u></p> <p>(a) <u>Listed Activities</u></p> <p>i. <u>Please ensure that all relevant listed activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description. Only activities applicable to the development must be applied for and assessed.</u></p> <p>ii. <u>If the activities applied for in the application form differ from those mentioned in the final BAR, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <a href="https://www.environment.gov.za/documents/forms">https://www.environment.gov.za/documents/forms</a>.</u></p> <p><u>It is noted that Activity 14 is triggered since hazardous goods will be stored on site and the electrolyte for the BESS will also periodically be refilled.</u></p>		<p><u>All relevant listed activities have been applied for (CHAPTER 2.1.3 NEMA EIA Regulations, 2014 (as amended), are specific and can be linked to the development activity or infrastructure as described in (CHAPTER 5 PROJECT DETAILS). An updated application form has been submitted to the DEFF, along with the Final BAR based on comments received from the Department on the DBAR. The latest Application form was used.</u></p> <p><u>Please note that this LN 1, Activity 14 will no longer be applied for as Redox Flow Battery Technology is no longer one of the preferred Technology Alternatives applicable to the application, as per DEFF's comment in CHAPTER "b) Alternatives" below.</u></p> <p><u>The activities applied for in the updated application form do not differ from those mentioned in the Final BAR. The updated application has been submitted with the Final BAR.</u></p> <p><u>It should be noted that the most recent application form template was downloaded from the link provided and has been used.</u></p> <p><u>Mainstream have chosen to pursue the solid state battery technology and as such Activity 14 is no longer triggered. This has been updated in the FBAR and Amended Application form.</u></p>	
--	--	---	--	---	--

		<p><u>With regards to Listing Notice 1 Activity 27, please include the motivation for the inclusion of the activity. In the motivation, include whether the said clearance is to take place outside the authorised development footprint, or on an area that was not assessed previously and that clearance meets or exceeds a relevant threshold.</u></p>		<p><u>The site was assessed during the EIA application for Mierdam PV (12/12/20/2320/2 dated September 2012 as amended), however the site identified for the proposed BESS was not authorised as part of the SEF development footprint. The site will be approx. 2ha in size and as such falls within the thresholds prescribed by Listing Notice 1 Activity 27.</u></p>	
--	--	--	--	--	--

			<p>(b) <u>Alternatives</u></p> <p>i: Please note that you are required to provide a full description of the process followed to reach the proposed preferred alternative within the site, in terms of Appendix 1(3)(1)(h) of the EIA Regulations 2014, as amended, including the following content:</p> <p>(a) <u>details of all the alternatives considered;</u></p>		<p>The following comment was received for a similar application and the EAP felt it pertinent to address for this application</p> <p><i><u>With regards to Listing Notice 1 Activity 28 (ii), please include the motivation for the inclusion of the activity. In the motivation, include whether the proposed development site for the BESS is currently zoned for agricultural land use, and the area to be developed will be larger than 1 ha and is to take place outside the authorised development footprint, or on an area that was not assessed previously and that development site exceeds a relevant threshold</u></i></p> <p>The site was assessed during the EIA application for Mierdam PV (12/12/20/2320/2 dated September 2012 as amended), however the site identified for the proposed BESS was not authorised as part of the SEF development footprint. The site will be approx. 2ha in size and as such falls within the thresholds prescribed by Listing Notice 1 Activity 28 (ii).</p> <p>The full description of the process followed to reach the proposed preferred alternative within the site, in terms of Appendix 1(3)(1)(h) of the EIA Regulations 2014, as amended can be found in CHAPTER 5.4: PROJECT ALTERNATIVES CONSIDERED which includes the analysis of Site-, Activity-, Technology-, and No-Go alternatives. The Risks associated with the technology Alternatives have been assessed in CHAPTER 8: RISK</p>	
--	--	--	---	--	--	--

					<p><u>MATRIX ASSOCIATED WITH THE BSS TECHNOLOGY ALTERNATIVES.</u></p>	
			(b) <u>details of the public participation process undertaken in terms of regulation 41 of the Regulations, including copies of the supporting documents and inputs;</u>		<p><u>Please see CHAPTER 7: PUBLIC PARTICIPATION as well as APPENDIX 7 - PUBLIC PARTICIPATION.</u></p>	
			(c) <u>a summary of the issues raised by interested and affected parties, and an indication of the manner in which the issues were incorporated, or the reasons for not including them;</u>			
			(d) <u>the environmental attributes associated with the alternatives focusing on the geographical, physical, biological, social, economic, heritage and cultural aspects;</u>		<p><u>Please see CHAPTER 6: DESCRIPTION OF THE BASELINE ENVIRONMENT and APPENDIX 6 - SPECIALIST STUDIES</u></p>	
			(e) <u>the impacts and risks denied for each alternative, including the nature, significance, consequence, extent, duration and probability of the impacts, including the degree to which these impacts-</u>		<p><u>Please see CHAPTER 10: IMPACT ASSESSMENT AND MITIGATION MEASURES and APPENDIX 6 - SPECIALIST STUDIES</u></p>	
			(f) <u>(aa) can be reversed;</u>			
			(g) <u>(bb) may cause irreplaceable loss of resources;</u>			
			(h) <u>(cc) can be avoided, managed or mitigated;</u>			
			(i) <u>the methodology used in determining and ranking the nature, significance, consequences, extent, duration and probability of potential environmental impacts and risks associated with the alternatives;</u>			
			(j) <u>positive and negative impacts that the proposed activity and alternatives will have on the environment and on the community</u>			

			<p><u>that may be affected focusing on the geographical, physical, biological, social, economic, heritage and cultural aspects;</u></p>		
			<p>(k) <u>the possible mitigation measures that could be applied and level of residual risk;</u></p>		
			<p>(l) <u>the outcome of the site selection matrix;</u></p>		<p>Please see CHAPTER 5.4: PROJECT ALTERNATIVES CONSIDERED which includes the analysis of Site-, Activity-, Technology-, and No-Go alternatives. The Risks associated with the technology Alternatives have been assessed in CHAPTER 8: RISK MATRIX ASSOCIATED WITH THE BESS TECHNOLOGY ALTERNATIVES which outlined each battery technology and potential risks associated with the battery technology type, and CHAPTER 12: ENVIRONMENTAL IMPACT STATEMENT, CONCLUSIONS AND RECOMMENDATIONS</p>
			<p>(m) <u>if no alternatives, including alternative locations for the activity were investigated, the motivation for not considering such; and</u></p>		<p>Not applicable. Alternatives have been assessed.</p>
			<p>(n) <u>a concluding statement indicating the preferred alternatives, including preferred location of the activity.</u></p>		<p>Please see CHAPTER 5.4: PROJECT ALTERNATIVES CONSIDERED which includes the analysis of Site-, Activity-, Technology-, and No-Go alternatives. The Risks associated with the technology Alternatives have been assessed in CHAPTER 8: RISK MATRIX ASSOCIATED WITH THE BESS TECHNOLOGY ALTERNATIVES which outlined each battery technology and potential risks associated with the battery technology type, and CHAPTER 12: ENVIRONMENTAL IMPACT STATEMENT, CONCLUSIONS AND RECOMMENDATIONS</p>

		<p>• <u>Written proof of an investigation and motivation if no reasonable or feasible alternatives exist in terms of Appendix 1.</u></p>		<p><u>Please see CHAPTER 5.4: PROJECT ALTERNATIVES CONSIDERED which includes the analysis of Site-, Activity-, Technology-, and No-Go alternatives. The Risks associated with the technology Alternatives have been assessed in CHAPTER 8: RISK MATRIX ASSOCIATED WITH THE BESS TECHNOLOGY ALTERNATIVES which outlined each battery technology and potential risks associated with the battery technology type, and CHAPTER 12: ENVIRONMENTAL IMPACT STATEMENT, CONCLUSIONS AND RECOMMENDATIONS</u></p>	
				<p><u>The following comment was received under this section of the DEFF comments for a similar application and the EAP felt it pertinent to address for this application</u></p> <p><u>“• <i>This Department noted that you have identified and assessed two BESS Technology Alternatives, namely:</i></u></p> <p><u>(a) <i>Solid State Batteries (conventional battery and all solid state battery).</i></u></p> <p><u>(b) <i>Redox flow Batteries.</i></u></p> <p><u>Please note that this Department does not approve an open-ended environmental authorisation, therefore, you are required to ensure that in the final BAR report, you have one preferred Technology Alternative for the BESS”.</u></p> <p><u>Noted. The preferred Technology Alternative will be Solid State Batteries. Redox Flow Batteries will no longer</u></p>	



				<p><u>be applied for as the preferred technology, and applicable listed activities removed.</u></p>	
			<p>(a) <u>Specialist Declaration of Interest (DOI)</u>  <u>Specialist Declaration of Interest forms must be attached to the final BAR.</u></p>	<p>The Specialist DOIs can be found in <u>APPENDIX 3 - DOI FORMS AND EAP AFFIRMATION</u> of the BAR and in <u>APPENDIX 6 - SPECIALIST STUDIES</u></p>	
			<p>(c) <u>Cumulative Assessment</u>  i. <u>Should there be any other similar projects within a 30km radius of the proposed development site, the cumulative impact assessment for all identified and assessed impacts must be refined to indicate the following:</u></p>	<p><u>Similar projects within a 35km radius of the proposed development site were identified and their impacts were outlined in CHAPTER 10.4: CUMULATIVE ASSESSMENT</u> of the BAR. The specialists then factored these identified developments and respective impacts</p>	

		<p>(a) <u>Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land.</u></p> <p>(b) <u>Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various similar developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.</u></p> <p>(c) <u>The cumulative impacts significance rating must also inform the need and desirability of the proposed development.</u></p> <p>(d) <u>A cumulative impact environmental statement on whether the proposed development must proceed.</u></p> <p>(d) <u>Undertaking of an Oath</u></p> <p>iii. <u>The Department has noted that the submitted application form has an undertaking under oath or affirmation by the EAP. Please note that the final BAR must also have an undertaking under oath/ affirmation by the EAP.</u></p> <p>iv. <u>Based on the above, you are therefore required to include an undertaking under oath or affirmation by the EAP (administered by a Commissioner of Oaths} as per Appendix 1(3)(r) of the NEMA EIA Regulations, 2014, as</u></p>		<p><u>into their cumulative impact assessments (found CHAPTER 10.3: IMPACT ASSESSMENT of the BAR and APPENDIX 6 - SPECIALIST STUDIES).</u></p> <p><u>The undertaking under oath/ affirmation by the EAP can be found in APPENDIX 3 - DOI FORMS AND EAP AFFIRMATION of the BAR.</u></p> <p><u>Details of the EAP can be found in CHAPTER 3 of the BAR and respective CV's can be found in APPENDIX 2 - EXPERTISE OF EAP AND PROJECT TEAM</u></p>	
--	--	--	--	---	--

		<p><u>amended, which states that the BAR must include:</u></p> <p><u>"An underlaking under oath or affirmation by the EAP in relation to:</u></p> <p>(a) <u>the correctness of the information provided in the reports;</u></p> <p>(b) <u>the inclusion of comments and inputs from stakeholders and I&amp;APs;</u></p> <p>(c) <u>the inclusion of inputs and recommendations from the specialist reports where relevant; and</u></p> <p>(d) <u>any information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties".</u></p> <p>(e) <u>Details and Expertise of the EAP</u></p> <p><u>You are required to include the details and expertise of the EAP in the BAR, including curriculum vitae, in order to comply with the requirements of Appendix 1(3)(1)(a) of the NEMA EIA Regulations, 2014, as amended.</u></p> <p>(e) <u>Public Participation Process</u></p> <p><u>i. The following information must be submitted with the final BAR:</u></p> <p>(a) <u>A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended;</u></p> <p>(b) <u>Copies of all comments received during the draft BAR comment period; and</u></p>	<p><u>The Declaration by the EAP and the undertaking under oath/affirmation have been signed by a commissioner of oaths.</u></p> <p><u>Details of the EAP can be found in CHAPTER 3 of the BAR and respective CV's can be found in APPENDIX 2 - EXPERTISE OF EAP AND PROJECT TEAM</u></p> <p><u>Please see CHAPTER 7: PUBLIC PARTICIPATION for the Public Participation Process, summary of comments received, as well as APPENDIX 7 - PUBLIC PARTICIPATION which contains copies of all comments received during the draft BAR comment period, a comment and response report and proof of</u></p>	
--	--	--	--	--

			<p>(c) <u>A comment and response report which contains all comments received (chronologically) and responses provided to all comments and issues raised during the public participation process for the draft BAR. Please note that comments received from this Department must also form part of the comment and response report.</u></p> <p>i. <u>Please ensure that all issues raised and comments received during the circulation of the draft BAR from registered I&amp;APs and organs of state which have jurisdiction (including this Department's Biodiversity CHAPTER) in respect of the proposed activity are adequately addressed in the final BAR.</u></p> <p>ii. <u>Proof of correspondence with the various stakeholders must be included in the final BAR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 &amp; 44 of the EIA Regulations 2014, as amended.</u></p> <p>(f) <u>Environmental Management Programme (EMPr)</u></p> <p>(a) <u>It is noted that a draft EMPr was attached and a final EMPr will be submitted to this Department for review and approval prior to commencement of construction (page 51 of the BAR).</u></p>		<p><u>correspondence with the various stakeholders including I&amp;APs and Organs of State.</u></p> <p>Noted. Please see APPENDIX 8: FINAL EMPr of the Final BAR</p>	
--	--	--	---	--	--	--

			<p>(b) <u>You are required to comply with the content of the EMPr in terms of Appendix 4 of the Environmental Impact Assessment Regulations, 2014, as amended.</u></p>			
			<p>(c) <u>Please be informed that the following content must be incorporated within the EMPr's as indicated in Appendix 4 of the EIA Regulations 2014, as amended:</u></p>			
			<p>i. <u>Details of the EAP who prepared the EMPr; and the expertise of that EAP to prepare an EMPr, including curriculum vitae.</u></p>			
			<p>ii. <u>A map at an appropriate scale which superimposes the proposed activity, its associated structure, and infrastructure on the environmental sensitivities of the preferred site, indicating any areas that should be avoided, including buffers.</u></p>			
			<p>iii. <u>A description of the impact management outcomes, including management statements, identifying the impacts and risks that need to be avoided, managed and mitigated as identified through the environmental impact assessment process for all phases of the development including-</u></p> <ul style="list-style-type: none"> <li><u>• Planning and design;</u></li> <li><u>• Pre-construction activities;</u></li> <li><u>• Construction activities;</u></li> <li><u>• Rehabilitation of the environment after construction and where applicable post closure; and</u></li> </ul>			

			<ul style="list-style-type: none"> <li>• <u>Where relevant, operation activities.</u></li> </ul>			
			<ul style="list-style-type: none"> <li>iv. <u>A description of proposed impact management actions, identifying the manner in which the impact management outcomes contemplated in paragraph (d) of Appendix 4 of the EIA Regulations 2014, as amended, will be achieved, and must, where applicable, include actions to -</u></li> </ul>			
			<ul style="list-style-type: none"> <li>v. <u>Avoid, modify, remedy, control or stop any action, activity or process which causes pollution or environmental degradation;</u></li> </ul>			
			<ul style="list-style-type: none"> <li>vi. <u>Comply with any prescribed environmental management standards or practices;</u></li> </ul>			
			<ul style="list-style-type: none"> <li>vii. <u>Comply with any applicable provisions of the Act regarding closure, where applicable; and</u></li> </ul>			
			<ul style="list-style-type: none"> <li>viii. <u>Comply with any provisions of the Act regarding financial provision for rehabilitation, where applicable.</u></li> </ul>			
			<ul style="list-style-type: none"> <li>ix. <u>The method of monitoring the implementation of the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.</u></li> </ul>			
			<ul style="list-style-type: none"> <li>x. <u>The frequency of monitoring the implementation of the impact management actions contemplated, in</u></li> </ul>			

			<p><u>paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.</u></p>		
			<p>Xi. <u>An indication of the persons who will be responsible for the implementation of the impact management actions.</u></p>		
			<p>Xii. <u>The time periods within which the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended, must be implemented.</u></p>		
			<p>Xiii. <u>The mechanism for monitoring compliance with the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.</u></p>		
			<p>Xiv. <u>A program for reporting on compliance, taking into account the requirements as prescribed by the Regulations.</u></p>		
			<p>(g) <u>Environmental Impact Statement</u></p>		
			<p>The environmental impact statement must contain -</p>		
			<p>(a) <u>a summary of the key findings of the environmental impact assessment;</u></p>		
			<p>(b) <u>a map at an appropriate scale which superimposes the proposed activity and its associated structures and infrastructure on the environmental sensitivities of the preferred site indicating any areas that should be avoided, including buffers; and</u></p>		
			<p>(c) <u>A summary of the positive and negative impacts and risks of the proposed activity and identified alternatives.</u></p>		
				<p>Please refer to <u>CHAPTER 12 ENVIRONMENTAL IMPACT STATEMENT, CONCLUSIONS AND RECOMMENDATIONS</u></p>	

		<p><u>You are further reminded to comply with Regulation 19(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that: "Where basic assessment must be applied to an application, the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority -</u></p> <p><u>(a) a basic assessment report, inclusive of specialist reports, an EMPr, and where applicable a closure plan, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority."</u></p> <p><u>Should there be significant changes or new information that has been added to the BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are required to comply with Regulation 19(b) of the NEMA EIA Regulations, 2014, as amended, which states: "the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority- (b) a notification in writing that the basic assessment report, inclusive of specialist reports an EMPr, and where applicable, a closure plan, will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the basic assessment report or EMPr or, where applicable, a closure plan, which changes or information was not contained in the reports or plans consulted on during</u></p>		<p><u>The EAP has complied with Regulation 19(1) (a) of the NEMA EIA Regulations 2014, as amended. The FBAR has been submitted to the DEFF within 90 days of receipt of the application. The DBAR was submitted to the DEFF on 13 November 2020 and was subsequently subjected to a public participation process of at least 30 days, from 16 November 2020 to 07 January 2021. The FBAR was updated, taking the comments received into consideration, and was submitted to the DEFF for decision-making on 22 January 2021.</u></p> <p><u>The EAP can confirm that there have been no significant changes or new information that has been added to the BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process.</u></p> <p><u>It should be noted that minor amendments have been made to specific mitigation measures contained in the EMPr (APPENDIX 8), based on comments received from the DEFF, and the subsequent decision by the Applicant to pursue Solid State Lithium Ion technology batteries.</u></p>	
--	--	---	--	--	--



			<p><u>the initial public participation process contemplated in sub-regulation (1)(a) and that the revised reports or, EMPr or, where applicable, a closure plan will be subjected to another public participation process of at least 30 days.</u></p> <p><u>Should you fail to meet any of the timeframes stipulated in Regulation 19 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.</u></p> <p><u>You are hereby reminded of CHAPTER 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</u></p>			
					<p><u>The EAP has ensured that all the timeframes stipulated in Regulation 19 of the NEMA EIA Regulations, 2014, as amended, have been met. As mentioned, the FBAR has been submitted to the DEFF within 90 days of receipt of the application. The DBAR was submitted to the DEFF on 13 November 2020 and was subsequently subjected to a public participation process of at least 30 days, from 16 November 2020 to 07 January 2021. The FBAR was updated, taking the comments received into consideration, and was submitted to the DEFF for decision-making on 22 January 2021.</u></p> <p><u>The Department's comment is duly acknowledged. The proposed development will not proceed without an EA being granted by the DEFF.</u></p>	
5	16 December 2020	Email	<p><u>Dear EIA Consultant</u></p> <p><u>Thank you for your e-mail.</u></p> <p><u>In future please direct your e-mails to Ms Nicole Abrahams, SANRAL Western Regions designated environmental practitioner. She has been copied into this e-mail.</u></p>	<p><u>Colene Runkel</u></p> <p><u>Statutory Controller</u></p> <p><u>Western Region</u></p> <p><u>SANRAL</u></p> <p><u>Email:</u></p>	<p><u>My apologies Colene,</u></p> <p><u>Your email has been removed from the database, you only receiving the notifications because I replied to all and your email was still in the chain.</u></p> <p><u>My apologies again.</u></p>	<p><u>Hlengiwe Ntuli (SiVEST) via email on 14 December 2020</u></p>

			<p><u>You are further requested to please remove my name from your mailing list for this as well as future applications.</u></p> <p><u>Kind Regards</u></p>			
<u>6</u>	<u>08 December 2020</u>	<u>Email</u>	<p><u>Good day, Ntuli</u></p> <p><u>Hereby our registration of interest as 'n interested and affected party to the said developments within Siyathemba at Mierdam and Platsjambok.</u></p> <p><u>We are residents of the area and operate a youthful business from Prieska.</u></p>	<p><u>Piet Papier</u></p> <p><u>IAP</u></p> <p><u>Email: 08 December 2020</u></p>	<p><u>Thank you so much for your email.</u></p> <p><u>We will add you to our database as requested.</u></p>	<p><u>Hlengiwe Ntuli (SiVEST) via email on 08 December 2020</u></p>

**BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF THE BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE FOR THE PROPOSED MIERDAM PV SOLAR ENERGY FACILITY NEAR PRIESKA IN THE NORTHERN CAPE PROVINCE**

BASIC ASSESSMENT I&AP Database

January 2021

First Name	Last Name	Company	Department	Phone 1	Phone 2	Phone 3	Email Address	Communication	
								Email	SMS
Nicole	Abrahams	SANRAL		021 957 4602	021 910 1966	062 215 8945	AbrahamsN@nra.co.za	√	
Carolyn	Ah Shene-Verdoorn	Birdlife South Africa		011 789 1122	011 789 5188	082 776 8333	advocacy@birdlife.org.za	√	
Tania	Anderson	WESSA: Northern Cape		053 839 2713	053 842 1433	082-788-0961	spothil@gmail.com	√	
Timothy	Andrews	Northern Cape : Department of Heritage					ratha.timothy@gmail.com	√	
Paul	Avenant	Department of Agriculture, Forestry & Fisheries		012 319 7548	012 329 5938		paula@daff.gov.za	√	
Johan	Badenhorst	Siyathemba Local Municipality	Technical Services	053 353 5300			johannb@siyathemba.gov.za	√	
Chris	Bellingham					083 443 5154	bellingham@juwi.co.za	√	
Danie & Jomima	Bernard	FARM: KLIPGATS PAN		053 383 3774	053 382 3064	084 619 3940	huisdanie@telkomsa.net	√	
Jemima Josina	Bernard	KLIPGATS PAN 117 PTN 4		053 383 3051	053-383-2130	084 619 3940			√
Danie	Bernard	Plaas: Welverdiend		053 383 3051		084 619 3940	huisdanie@telkomsa.net	√	
Amanda	Bester	Telkom (SA) Ltd	WMS: Wayleave Management	051 401 6260	051 401 6238	079-879-9190	WayleaCR@telkom.co.za BesterAD@telkom.co.za	√	
Thoko	Buthlezi	Dept of Agriculture, Forestry & Fisheries	Directorate Land Use and Soil Management	012 319 7634			ThokoB@daff.gov.za	√	
Hettie	Buys	Department of Agriculture, Forestry and Fisheries		012-319-7556	012-329-5938		HettieB@daff.gov.za		
Nonka	Byker	Master Q	Socio-economic	012 667 5325	086 612 8122	082 940 3694	nbyker@rsrisolutions.com	√	
Nadia	Chastoor	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		Nadia.Chastoor@transnet.net	√	
Attie	Coetzee	Transnet		011 308 2275	022 703 3521		Attie.Coetzee@transnet.net	√	
Anneliza	Collett	Dept of Agriculture, Forestry & Fisheries		012 319 7508	012 329 5938		annelizac@nda.agric.za	√	
Louise	Corbett	Aurecon		021 481 2512	086 667 3532		Louise.Corbett@aurecongroup.com	√	
Johnny	Cullum	Mulilo Renewable Energy					carol@mulilo.com info@mulilo.com	√	
Rene	De Bruin	Eskom Transmission Limited	North Western Region Operating Unit	051-404-2467		082-087-8674	MdunyeNC@eskom.co.za dBruinER@eskom.co.za	√	
Nico	de Goede	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		nico.degoede@transnet.net	√	
Sam	Diokpala	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net	√	
Frans	Ekkerd	Farm: Uitspanpan				083 380 8427			√
Ntombizanele	Feni	Department of Water and Sanitation					FeniN2@dws.gov.za	√	
Sam	Fiff	Transnet Freight Rail (Jhb)		051 408 2565	051 408 4487		Francis.Rahlapane@transnet.net	√	
Nico	Fourie	Department of Roads & Public Works: Northern Cape Province		053 839 2260			ngc@mtnloaded.co.za	√	
John	Geeringh	Eskom: Transmission	GC Land Development	011 516 7233	086 661 4064	083-632-7663	GeerinJH@eskom.co.za sebolemd@eskom.co.za	√	
Carel	Gersbach	Air Traffic & Navigation Services (ATNS)		011 607 1000	011 961 0418	082-553-3836	carolmp@atns.co.za	√	
Bradley	Gibbons	EWT: African Crane Conservation Programme		049 842 1116	049 842 1116	082-566-5803	bradleyg@ewt.org.za	√	
Isaac	Gwija	NC Dept of Environment and Nature Conservation		053 631 0601	053-831-3530	081-775-7485	igwija@ncpg.gov.za mr.gwija@gmail.com	√	
Dudu	Hadebe	Eskom: Distribution					HadebDP@eskom.co.za	√	
Howard	Hawke	ATNS					howardh@atns.co.za	√	
Alexia	Hlengani	Department of Water Affairs				076 452 0599	hlengania@dwa.gov.za	√	
Alexia	Hlengani	Department of Water and Sanitation					hlengania@dwa.gov.za	√	
Johannes	Human	Farm: Hoekplaas Bdy & Slimes Dam		053 353 1809		082 883 8330	johanneshuman5@gmail.com	√	
Hendrik	Human	Farm: Kaffirs Kolk		082 808 3846	053 353 2691	078-639-2216	hg@gwk.co.za mjh@lantic.net	√	
S	Human	Farm: Plat Sjambok				076 181 7660	humanwj@gmail.com	√	
Wynand	Human	Farm: Plat Sjambok		053 353 1903		082 449 3015	humanwj@gmail.com	√	
Susanna	Human	HUMANSRUS 147		053-353-3014	053-353-1697	082-475-5205			√
Francis	Jackson	Windlab Developments South Africa (Pty) Ltd		087 802 5999	0800 981 222	071 689 5442	francis.jackson@windlab.com	√	
Zuben	Jessa	Plan 8 Infinite Energy Pty Ltd				076 592 2786			√
Bernard	Josina	Ptn 4 of Klipgats Pan No 117		053 383 3051	053 383 3051	084 619 3940			√
Andrew	Julyan	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		andrew.julyan@transnet.net	√	
Riaan	Karriem	Transnet		011 308 2275	053 838 3008		riaan.karriem@transnet.net	√	
Mere	Kgampe	Department of Science and Technology		012 843 6644		076 488 4776	Mere.Kgampe@dst.gov.za	√	

Miriam	Kibi	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net	√	
Julius	Koen	Dept of Environment & Nature Conservation		053 807 7481	053 831 3530	082 458 3129	jkoen@ncpg.gov.za	√	
Ernest	Kubayi	Department of Water and Sanitation (Upington)		013 759 7319	013 759 7460	082 888 3764	kubayie@dwa.gov.za	√	
Henk	Landman	Eskom: Distribution	North Western Region Operating Unit	021 980 3412			LandmaHJ@eskom.co.za	√	
Magda	Le Roux	Eskom: Distribution	North Western Region Operating Unit	021 980 3215			LRouxMM@eskom.co.za	√	
Kevin	Leask	Eskom		011 800 5994		072 868 9209	kevin.leask@eskom.co.za	√	
Brave	Leballo	Transnet					Brave.Leballo@transnet.net	√	
Brave	Leballo	Transnet Freight Rail		011 773 8881		083 414 4309	Brave.Leballo@transnet.net	√	
C H	Loots	Siyathemba Local Municipality						√	
Jack	Maccollan	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net	√	
Giel	MacDonald	Siyathemba Local Municipality		082-405-2577		074-509-4943	giel.macdonald.98@gmail.com	√	
G	MacDonald	Siyathemba Local Municipality						√	
Gregory	MacKay	Siyathemba Local Municipality		053 353 5300		076 845 2700	gregorymackay37@yahoo.com	√	
Sindisile	Madyo	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	084 673 0997	excellentsolutions@live.co.za	√	
Jacoline	Mans	Department of Agriculture, Forestry & Fisheries		054 338 5910	054 334 0030	082-808-2737	jacolinema@daff.gov.za	√	
Josia	Manyakoana	ATNS					josiam@atns.co.za	√	
Willie	Maritz	Transnet Freight Rail		053 838 2050	053 838 2048		willie.maritz@transnet.net	√	
Mashudu	Marubini	DAFF Provincial Department		012 319 7619			MashuduMa@daff.gov.za	√	
Vincent	Matabane	Transnet		011 584 0551	011 773 4511	083 297 7626	vincent.matabane@transnet.net	√	
Christopher	Mduduzi	Dept of Water Affairs (Upington)					cebekhulum@dwa.gov.za	√	
Mahadi	Mofokeng	Dept of Water Affairs: Northern Cape Province		053 830 8800			MofokengM2@dwa.gov.za	√	
Lerato	Mokhoantle	Department of Water & Sanitation	WQM	053 836 7600	053 836 7661	083-655-8312	MokhoantleL@dws.gov.za	√	
Jane	Molepo	Siyathemba Local Municipality		053 353 5300	053 353 1386	072 337 9797	molepojane@ymail.com	√	
Johanna	Morobane	Air Traffic Navigation Services	Corporate Sustainability and Environment	011 607 1143	011 607 1570		JohannaM@atns.co.za	√	
D	Morolomg	Siyathemba Local Municipality		053 353 5300	053 353 1386	076 108 1074	danziline@yahoo.com	√	
Thulani	Mthombeni	NC Dept of Environment and Nature Conservation		053 807 7466	053 831 3530	072-409-2277	TMthombeni@ncpg.gov.za	√	
Mashudu	Mukoma	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	073 942 2144	mashudulucy@gmail.com	√	
JJ	Mutyorauta	Northern Cape Province		053 807 7430	053 831 3530		AbrahamsA@dwa.gov.za	√	
Raylene	Nel	Dept of Environment & Nature Conservation		053 807 7335		082 696 6007	rnel@ncpg.gov.za	√	
Hendrik	Nieuwenhuizen	Siyathemba Local Municipality		053 353 5300			mmsec@siyathemba.gov.za	√	
Sibusiso	Nkabinde	ATNS		015 288 0342	015 288 0344			√	
Sonwabile	Nkondeshe	Pixley Ka Seme District Municipality	Nature Conservation/ Environmental	053 631 0891	053 631 2529	083 693 2363	snkondeshe@environment.gov.za	√	
Bramwell	Ortell	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612	083 304 0147	ngebs@websurfer.co.za	√	
Bramwell	Ortell	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612	083 304 0147	Bramwell.Ortell@transnet.net	√	
Jayson	Orton	University of Cape Town	Dept of Archaeology	021 650 2357	021 650 2352	083 272 3225	Bramwell.Ortell@transnet.net	√	√
Elbrecht	Oswald	Nordex				084 663 2043	EOswald@nordex-online.com	√	
Piet	Papier			084-701-2412	086-608-8385	084-991-6740	fnfpp@gmail.com	√	
Percy	Paulsen	Dept of Education	Education		053 353 1911	084 513 5056	mrpaperenterprises@gmail.com	√	
Chris	Poolse					084 513 5056	percivalpaulsen@yahoo.com	√	√
Nish	Rathanlall	Eskom: Distribution					RathanN@eskom.co.za	√	
Ntsundeni	Ravhogoni	Department of Mineral Resources (DMR)		053 807 1700	053 830 0827		Ntsundeni.Ravhogoni@dmr.gov.za	√	
Hein	Reid	ATNS					heinr@atns.co.za	√	
Hein	Reyneke	Mainstream Renewable Power Noupoot (Pty) Ltd				083 264 3884	hein.reyneke@mainstreamrp.com	√	
Harry	Roberts	SA CAA		011 545 1071	011 545 0000	079-505-8417	Robertsh@caa.co.za	√	
Helena Francina	Rudolph	KLIPGATS PAN 117 PTN 3		224872816	012-315-3034	082-601-3058	ILSEMR@LAW.CO.ZA	√	
Gerhardus	Rudolph	Ptn 3 of Klippgats Pan No 117			086 577 9477	082 960 2113	gerrierudolph@vodamail.co.za	√	
Ian	Scholtz	Transnet Freight Rail		053 838 3275	053 838 3585		ian.scholtz@transnet.net	√	
Carlo	Schrader	Dept of Water Affairs (Bloemfontein)					schraderc@dwa.gov.za	√	
Leonard	Shaw	Open Serve (Telkom)	Wireless Planning Development & Support	012 311 2012	012 311 1686	081-428-6729	LeonardS@openserve.co.za	√	
Riaan	Smit	Eskom: Distribution	North Western Region Operating Unit	021 980 3452			ShawLS@Telkom.co.za	√	
							SmitR@eskom.co.za	√	

Patrick	Solomons					074 446 2694			√
Gloria	Speelman	Siyathemba Local Municipality		054 871 5500	054 871 5501	082-693-5024	gloriaspeelman.gs@gmail.com		√
Lizell	Stroh	SA Civil Aviation Authority		011 545 1232	011 545 1482	083 461 6660	Obstacles@caa.co.za strohl@caa.co.za		√
Ertjies	Taljaart	Eskom: Distribution (Prieska)	Northern Cape Operating Unit			083-557-0066	Taljaaes@eskom.co.za ertjies@eskom.co.za		√
Andrew	Timothy	SAHRA (Northern Cape)		053 831 2537	053 838 1435	079 036 9294	ratha.timothy@gmail.com atimothy@nc.sahra.org.za		√
Adriaan	Tiplady	Square Kilometre Array		011 442 2434	011 442 2454		atiplady@ska.ac.za		√
Betty	Titus	Siyathemba Local Municipality				083 393 1953	batitusgeorge@gmail.com		√
Kelly	Tucker	SiVEST Environmental		011 798 0600	011 803 7272	083 652 4017	kellyt@sivest.co.za		√
Lillian	Valacia	Siyathemba Local Municipality							√
Heleen	van den Heever	Telkom (SA) Ltd	Wayleave Management	051 401 6829	086 622 7128	081-428-1691	vdheevhd@telkom.co.za WayleaCR@telkom.co.za		√
Gawie	Van Dyk	Eskom Transmission Limited					VanDykg@dws.gov.za		√
Denver	van Heerden	Dept of Environment & Nature Conservation		053 807 7306	086 625 6470		bvotes@nomp.gov.za dvanheerden@ncpg.gov.za		√
Johan	Van Schalkwyk	ATNS					johanvs@atns.co.za		√
William	van Staden	Siyathemba Local Municipality		053 353 5304	086 580 4152	074 231 6604	mmsec@siyathemba.gov.za		√
F M	Van Wyk	Siyathemba Local Municipality		053 353 1939	076 091 1238	078 799 0381	fynavanwyk@gmail.com		√
P	Van Wyk	Siyathemba Local Municipality		053 353 5300	053 353 1386	078 668 3133			√
Nicolene	Venter	SiVEST Environmental		012 662 2843		083 377 9112	iafrica@icon.co.za		√
Adel	Viljoen						coenieviljoen@vodamail.co.za		√
Coenie	Viljoen	Ptn 1 of Kaffirs Kolk No 118 (Mierdam)				082 932 9510	coenieviljoen@vodamail.co.za		√
B	Vister	Siyathemba Local Municipality		053 353 5300	053 353 1386	078 755 9572			√
Ferlicia	Ward	Air Traffic Navigation Services	Air Traffic Management	116071143	116071413		FerliciaW@atns.co.za		√
T	Wessels	Dept of Environment & Nature Conservation		053 807 7300	053 807 7328		twessels@ncpg.gov.za twessels@nwpg.gov.za		√
Keith	Woolf	Alkantpan (Division of Armscor Defence Institutes (Pty) Ltd)		053 355 5180	053 355 5017	081 352 9685	KeithW@alkantpan.co.za lizettek@alkantpan.co.za		√
Mandisa	Yawa	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	074 766 7736	mandisway@gmail.com		√



**BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF THE BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE FOR THE PROPOSED MIERDAM PV SOLAR ENERGY FACILITY NEAR PRIESKA IN THE NORTHERN CAPE PROVINCE**

BASIC ASSESSMENT I&AP Database

January 2021

First Name	Last Name	Company	Department	Phone 1	Phone 2	Phone 3	Email Address	Method of	
								Email	SMS
Nicole	Abrahams	SANRAL		021 957 4602	021 910 1966	062 215 8945	AbrahamsN@nra.co.za	√	
RC	Adams	Siyathemba Local Municipality							
L	Adams	Siyathemba Local Municipality							
Carolyn	Ah Shene-Verdoorn	Birdlife South Africa		011 789 1122	011 789 5188	082 776 8333	advocacy@birdlife.org.za	√	
Tania	Anderson	WESSA: Northern Cape		053 839 2713	053 842 1433	082-788-0961	spothil@gmail.com	√	
Timothy	Andrews	Northern Cape : Department of Heritage					ratha.timothy@gmail.com	√	
Paul	Avenant	Department of Agriculture, Forestry & Fisheries		012 319 7548	012 329 5938		paula@daff.gov.za	√	
Johan	Badenhorst	Siyathemba Local Municipality	Technical Services	053 353 5300			johannb@siyathemba.gov.za	√	
Chris	Bellingham					083 443 5154	bellingham@juwi.co.za	√	
Danie & Jomima	Bernard	FARM: KLIPGATS PAN		053 383 3774	053 382 3064	084 619 3940	huisdanie@telkomsa.net	√	
Jemima Josina	Bernard	KLIPGATS PAN 117 PTN 4		053 383 3051	053-383-2130	084 619 3940			√
Danie	Bernard	Plaas: Welverdiend		053 383 3051		084 619 3940	huisdanie@telkomsa.net	√	
Amanda	Bester	Telkom (SA) Ltd	WMS: Wayleave Management	051 401 6260	051 401 6238	079-879-9190	BesterAD@telkom.co.za	√	
Thoko	Buthelezi	Dept of Agriculture, Forestry & Fisheries	Directorate Land Use and Soil Management	012 319 7634			ThokoB@daff.gov.za	√	
Hettie	Buys	Department of Agriculture, Forestry and Fisheries		012-319-7556	012-329-5938		HettieB@daff.gov.za	√	
Nonka	Byker	Master Q	Socio-economic	012 667 5325	086 612 8122	082 940 3694	nbyker@rsrisksolutions.com	√	
Nadia	Chastoor	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		Nadia.Chastoor@transnet.net	√	
Attie	Coetzee	Transnet		011 308 2275	022 703 3521		Attie.Coetzee@transnet.net	√	
Anneliza	Collett	Dept of Agriculture, Forestry & Fisheries		012 319 7508	012 329 5938		annelizac@nda.agric.za	√	
Louise	Corbett	Aurecon		021 481 2512	086 667 3532		Louise.Corbett@aurecongroup.com	√	
Johnny	Cullum	Mulilo Renewable Energy					carol@mulilo.com info@mulilo.com	√	
Rene	De Bruin	Eskom Transmission Limited	North Western Region Operating Unit	051-404-2467		082-087-8674	MdunyeNC@eskom.co.za dBruinER@eskom.co.za	√	
Nico	de Goede	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		nico.degoede@transnet.net	√	
Sam	Diokpala	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net	√	
Frans	Ekkerd	Farm: Uitspanpan				083 380 8427			√
Ntombizanele	Feni	Department of Water and Sanitation					FeniN2@dws.gov.za	√	
Sam	Fiff	Transnet Freight Rail (Jhb)		051 408 2565	051 408 4487		Francis.Rahlapane@transnet.net	√	
Nico	Fourie	Department of Roads & Public Works: Northern Cape Province		053 839 2260			ngc@mntloaded.co.za	√	
John	Geeringh	Eskom: Transmission	GC Land Development	011 516 7233	086 661 4064	083-632-7663	GeerinJH@eskom.co.za sebolem@eskom.co.za	√	
Carel	Gersbach	Air Traffic & Navigation Services (ATNS)		011 607 1000	011 961 0418	082-553-3836	carolmp@atns.co.za	√	
Bradley	Gibbons	EWT: African Crane Conservation Programme		049 842 1116	049 842 1116	082-566-5803	bradleyg@ewt.org.za	√	
J	Gous	Siyathemba Local Municipality							
Isaac	Gwija	NC Dept of Environment and Nature Conservation		053 631 0601	053-831-3530	081-775-7485	igwija@ncpg.gov.za mr.gwija@gmail.com	√	
Dudu	Hadebe	Eskom: Distribution					HadebDP@eskom.co.za	√	
Howard	Hawke	ATNS					howardh@atns.co.za	√	
Alexia	Hlengani	Department of Water Affairs				076 452 0599	hlengania@dwa.gov.za	√	
Alexia	Hlengani	Department of Water and Sanitation					hlengania@dwa.gov.za	√	
Johannes	Human	Farm: Hoekplaas Bdy & Slimes Dam		053 353 1809		082 883 8330	johanneshuman5@gmail.com	√	
Hendrik	Human	Farm: Kaffirs Kolk		082 808 3846	053 353 2691	078-639-2216	hg@gwk.co.za mjh@lantic.net	√	
S	Human	Farm: Plat Sjambok				076 181 7660	humanwj@gmail.com	√	
Wynand	Human	Farm: Plat Sjambok		053 353 1903		082 449 3015	humanwj@gmail.com	√	
Susanna	Human	HUMANSRUS 147		053-353-3014	053-353-1697	082-475-5205			√
Francis	Jackson	Windlab Developments South Africa (Pty) Ltd		087 802 5999	0800 981 222	071 689 5442	francis.jackson@windlab.com	√	
Zuben	Jessa	Plan 8 Infinite Energy Pty Ltd				076 592 2786			√

Bernard	Josina	Ptn 4 of Klippgats Pan No 117		053 383 3051	053 383 3051	084 619 3940			√
Andrew	Julyan	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612		andrew.julyan@transnet.net		√
Riaan	Karriem	Transnet		011 308 2275	053 838 3008		riaan.karriem@transnet.net		√
Mere	Kgampe	Department of Science and Technology		012 843 6644		076 488 4776	Mere.Kgampe@dst.gov.za		√
Miriam	Kibi	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net		√
Julius	Koen	Dept of Environment & Nature Conservation		053 807 7481	053 831 3530	082 458 3129	jkoen@ncpg.gov.za jkoen@half.ncape.gov.za		√
Ernest	Kubayi	Department of Water and Sanitation (Upington)		013 759 7319	013 759 7460	082 888 3764	kubayie@dwa.gov.za		√
Henk	Landman	Eskom: Distribution	North Western Region Operating Unit	021 980 3412			LandmaHJ@eskom.co.za		√
Magda	Le Roux	Eskom: Distribution	North Western Region Operating Unit	021 980 3215			LRouxMM@eskom.co.za		√
Kevin	Leask	Eskom		011 800 5994		072 868 9209	kevin.leask@eskom.co.za leaskk@eskom.co.za		√
Brave	Leballo	Transnet					Brave.Leballo@transnet.net		√
Brave	Leballo	Transnet Freight Rail		011 773 8881		083 414 4309	Brave.Leballo@transnet.net		√
C H	Loots	Siyathemba Local Municipality							√
Jack	Maccollan	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529		pixley@telkomsa.net		√
Giel	MacDonald	Siyathemba Local Municipality		082-405-2577		074-509-4943	giel.macdonald.98@gmail.com		√
G	MacDonald	Siyathemba Local Municipality							√
Gregory	MacKay	Siyathemba Local Municipality		053 353 5300		076 845 2700	gregorymackay37@yahoo.com		√
Sindisile	Madyo	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	084 673 0997	excellentsolutions@live.co.za		√
Jacoline	Mans	Department of Agriculture, Forestry & Fisheries		054 338 5910	054 334 0030	082-808-2737	jacolinema@daff.gov.za		√
Josia	Manyakoana	ATNS					josiam@atns.co.za		√
Willie	Maritz	Transnet Freight Rail		053 838 2050	053 838 2048		willie.maritz@transnet.net		√
Mashudu	Marubini	DAFF Provincial Department		012 319 7619			MashuduMa@daff.gov.za		√
Vincent	Matabane	Transnet		011 584 0551	011 773 4511	083 297 7626	vincent.matabane@transnet.net		√
Christopher	Mduduzi	Dept of Water Affairs (Upington)					cebekhulum@dwa.gov.za		√
Mahadi	Mofokeng	Dept of Water Affairs: Northern Cape Province		053 830 8800			MofokengM2@dwa.gov.za		√
Lerato	Mokhoantle	Department of Water & Sanitation	WQM	053 836 7600	053 836 7661	083-655-8312	MokhoantleL@dws.gov.za		√
Jane	Molepo	Siyathemba Local Municipality		053 353 5300	053 353 1386	072 337 9797	molepojane@ymail.com molepojane.mp@gmail.com		√
Johanna	Morobane	Air Traffic Navigation Services	Corporate Sustainability and Environment	011 607 1143	011 607 1570		JohannaM@atns.co.za		√
D	Morolomg	Siyathemba Local Municipality		053 353 5300	053 353 1386	076 108 1074	danziline@yahoo.com		√
Thulani	Mthombeni	NC Dept of Environment and Nature Conservation		053 807 7466	053 831 3530	072-409-2277	TMthombeni@ncpg.gov.za TMthombeni123@gmail.com		√
Mashudu	Mukoma	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	073 942 2144	mashudulucy@gmail.com		√
JJ	Mutyorauta	Northern Cape Province		053 807 7430	053 831 3530		AbrahamsA@dwa.gov.za		√
Raylene	Nel	Dept of Environment & Nature Conservation		053 807 7335		082 696 6007	rnel@ncpg.gov.za		√
Hendrik	Nieuwenhuizen	Siyathemba Local Municipality		053 353 5300			mmsec@siyathemba.gov.za		√
Sibusiso	Nkabinde	ATNS		015 288 0342	015 288 0344				√
Sonwabale	Nkondeshe	Pixley Ka Seme District Municipality	Nature Conservation/ Environmental	053 631 0891	053 631 2529	083 693 2363	snkondeshe@environment.gov.za ngebs@websurfer.co.za		√
Bramwell	Ortell	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612	083 304 0147	Bramwell.Ortell@transnet.net		√
Bramwell	Ortell	Transnet Freight Rail	Iron Ore Line	022 703 2530	022 703 3612	083 304 0147	Bramwell.Ortell@transnet.net		√
Jayson	Orton	University of Cape Town	Dept of Archaeology	021 650 2357	021 650 2352	083 272 3225			√
Elbrecht	Oswald	Nordex				084 663 2043	EOswald@nordex-online.com		√
Piet	Papier			084-701-2412	086-608-8385	084-991-6740	fnfpp@gmail.com mrrpaperenterprises@gmail.com		√
Percy	Paulsen	Dept of Education	Education		053 353 1911	084 513 5056	percivalpaulsen@yahoo.com		√
Chris	Poolse					084 513 5056			√
Nish	Rathanlall	Eskom: Distribution					RathanN@eskom.co.za		√
Ntsundeni	Ravhogoni	Department of Mineral Resources (DMR)		053 807 1700	053 830 0827		Ntsundeni.Ravhogoni@dmr.gov.za		√
Hein	Reid	ATNS					heintr@atns.co.za		√
Hein	Reyneke	Mainstream Renewable Power Noupport (Pty) Ltd				083 264 3884	hein.reyneke@mainstreamrp.com		√
Harry	Roberts	SA CAA		011 545 1071	011 545 0000	079-505-8417	Robertsh@caa.co.za		√
Helena Francina	Rudolph	KLIPGATS PAN 117 PTN 3		224872816	012-315-3034	082-601-3058	ILSEMR@LAW.CO.ZA		√
Gerhardus	Rudolph	Ptn 3 of Klippgats Pan No 117			086 577 9477	082 960 2113	gerrierudolph@vodamail.co.za		√



Ian	Scholtz	Transnet Freight Rail		053 838 3275	053 838 3585		ian.scholtz@transnet.net	√	
Carlo	Schrader	Dept of Water Affairs (Bloemfontein)					schraderc@dwa.gov.za	√	
Leonard	Shaw	Open Serve (Telkom)	Wireless Planning Development & Support	012 311 2012	012 311 1686	081-428-6729	LeonardS@openseve.co.za	√	
Riaan	Smit	Eskom: Distribution	North Western Region Operating Unit	021 980 3452			ShawLS@Telkom.co.za	√	
Patrick	Solomons					074 446 2694	SmitR@eskom.co.za	√	√
Gloria	Speelman	Siyathemba Local Municipality		054 871 5500	054 871 5501	082-693-5024	gloriaspeelman.gs@gmail.com	√	
Lizell	Stroh	SA Civil Aviation Authority		011 545 1232	011 545 1482	083 461 6660	Obstacles@caa.co.za	√	
Ertjies	Taljaart	Eskom: Distribution (Prieska)	Northern Cape Operating Unit			083-557-0066	strohl@caa.co.za	√	
Andrew	Timothy	SAHRA (Northern Cape)		053 831 2537	053 838 1435	079 036 9294	Taljaaes@eskom.co.za	√	
Adriaan	Tiplady	Square Kilometre Array		011 442 2434	011 442 2454		ertjies@eskom.co.za	√	
Betty	Titus	Siyathemba Local Municipality				083 393 1953	atimothy@nc.sahra.org.za	√	
Kelly	Tucker	SiVEST Environmental		011 798 0600	011 803 7272	083 652 4017	atiplady@ska.ac.za	√	
Lillian	Valacia	Siyathemba Local Municipality					batitusgeorge@gmail.com	√	
Heleen	van den Heever	Telkom (SA) Ltd	Wayleave Management	051 401 6829	086 622 7128	081-428-1691	kellyt@sivest.co.za	√	
Gawie	Van Dyk	Eskom Transmission Limited					vdheevhd@telkom.co.za	√	
Denver	van Heerden	Dept of Environment & Nature Conservation		053 807 7306	086 625 6470		WayleaCR@telkom.co.za	√	
Johan	Van Schalkwyk	ATNS					VanDykG@dws.gov.za	√	
William	van Staden	Siyathemba Local Municipality		053 353 5304	086 580 4152	074 231 6604	bbotes@npg.gov.za	√	
F M	Van Wyk	Siyathemba Local Municipality		053 353 1939	076 091 1238	078 799 0381	dvanheerden@ncpg.gov.za	√	
P	Van Wyk	Siyathemba Local Municipality		053 353 5300	053 353 1386	078 668 3133	johanvs@atns.co.za	√	
Nicolene	Venter	SiVEST Environmental		012 662 2843		083 377 9112	fynavanwyk@gmail.com	√	√
Adel	Viljoen						iafrica@icon.co.za	√	
Coenie	Viljoen	Ptn 1 of Kaffirs Kolk No 118 (Mierdam)				082 932 9510	coenieviljoen@vodamail.co.za	√	
B	Vister	Siyathemba Local Municipality		053 353 5300	053 353 1386	078 755 9572	coenieviljoen@vodamail.co.za	√	√
Ferlicia	Ward	Air Traffic Navigation Services	Air Traffic Management	116071143	116071413		FerliciaW@atns.co.za	√	
T	Wessels	Dept of Environment & Nature Conservation		053 807 7300	053 807 7328		twessels@ncpg.gov.za	√	
Keith	Woolf	Alkantpan (Division of Armscor Defence Institutes (Pty) Ltd)		053 355 5180	053 355 5017	081 352 9685	twessels@nwpg.gov.za	√	
Mandisa	Yawa	Pixley Ka Seme District Municipality		053 631 0891	053 631 2529	074 766 7736	KeithW@alkantpan.co.za	√	
							lizettek@alkantpan.co.za	√	
							mandisway@gmail.com	√	

SIVEST  
Omgewingsafdeling

SIVEST  
Gestig in 1952

**KENNISGEWING VAN DIE BASIESE EVALUERING (BE) VIR DIE BEOOGDE OPRIGTING EN BEDRYF VAN DIE BATTERYKRAG-BERGINGSTELSEL (BESS) EN VERWANTE INFRASTRUKTUUR EN INSUITING VAN BYKOMENDE GELYSDE AKTIWITEITE VIR DIE GEMAGTIGDE MIERDAM FOTOVOLTAÏESE (FV) SONKRAGANLEG NABY DIE DORP PRIESKA IN DIE SIYATHEMBA PLAASLIKE MUNISIPALITEIT, PIXLEY KA SEME DISTRIK IN DIE NOORD-KAAPROVINSIE VAN SUID-AFRIKA.**  
DEFF-verwysingsno.: Moet nog toegeken word

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 wat op 4 Desember 2014 afgekondig en op 7 April 2017 gewysig is, geskied kennis hiermee dat South Africa Mainstream Renewable Power Mierdam (Edms.) Bpk. (hierna "Mainstream" genoem) SIVEST SA (Edms.) Bpk. aangestel het as die onafhanklike Omgewingsvalueringpraktisyn (OEP) om die nodige Basiese Evaluering (BE) en Openbare Deelnemersproses (ODP) vir die bogenoemde ontwikkeling te onderneem.

**PROJEKTESKRYWING**

South Africa Mainstream Renewable Power Mierdam (Edms.) Bpk. beoog die oprigting en bedryf van 'n Batterykrag-bergingstelsel (BESS) en verwante infrastruktuur vir die gemagtigde Mierdam FV-sonkragaanleg (12/12/20/2320/2). Daar word beoog dat die BESS langs die interne substasie op die Mierdam Sonkragaanleg se ontwikkelingssterrein geleë sal wees. Die batterybergingstelsel se voetspoor sal hoogstens twee (2) hektaar (ha) beslaan en die BESS se vermoë sal hoogstens 200 MWh wees.

Daar sal aanleiding gegee tot die volgende Gelyste Aktiwiteite:

Lyskennisgewing	Aktiwiteitsno.	Beskrywing van aktiwiteit
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	14	Die ontwikkeling en verwante bedryf van aanlegte of infrastruktuur vir die berging, of vir die berging en hantering, van 'n gevaarlike goedere, waar sodanige berging plaasvind in houers met 'n gesamentlike kapasiteit van 80m <sup>3</sup> of meer, maar nie meer nie as 500m <sup>3</sup> nie.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	19	Die ewulping of afsetting van enige materiaal van meer as 10 kubieke meter in, of die baggering, uitgraving, verwydering of verplasing van grond, sand, skulpe, skulppruis, klippe of rots van meer as 10 kubieke meter vanaf 'n waterloop.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	27	Die ontbossing van 'n gebied van 1 hektaar of meer, maar minder as 20 hektaar van inheemse plantegroei, behalwe waar sodanige ontbossing van inheemse plantegroei is vir— (i) die onderneming van 'n lineêre aktiwiteit of (ii) instandhoudingsdoelendes wat ooreenkomstig 'n instandhoudingsbestuursplan onderneem word.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	28 (i)	Residensiële, gemengde, kleinhandel-, kommersiële, nywerheids- of institusionele ontwikkelings, waar sodanige grondgebruik vir landbou, wildsboerdery, perdydoelendes of bosaanplanting was op of ná 1 April 1998 en waar sodanige ontwikkeling (ii) buite 'n stedelike gebied sal plaasvind waar die totale oppervlak van die grond wat ontwikkel moet word, groter as 1 hektaar is.

Die behoefte vir 'n BESS spruit voort uit die feit dat elektrisiteit slegs deur die Sonkragaanleg opgewek sal word terwyl die son skyn en nie noodwendig gedurende die tyd van spitsaanvraag nie. Gevolglik sal die berging van elektrisiteit en die voorsiening daarvan tydens spitsaanvraag beteken dat die aanleg meer doeltreffend en meer betroubaar sal wees en dat die elektrisiteitsvoorsiening meer bestendig sal wees. Tans is die batterytegnologie wat oorweeg word hetsy Vastestaat-batterie of Redoks/loei-batterie.

**PROJEKLUIGGING**

Die Mierdam Fotovoltaïese (FV) Sonkragaanleg is geleë naby Prieska in die Siyathemba Plaaslike Munisipaliteit, Pixley ka Seme Distrik, in die Noord-Kaaprovinsie van Suid-Afrika.

No.	Plaasnaam	Plaas-Erfno.	Gedeelte	Breedtegraad	Lengtegraad	Soort eiendom
1	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63O	Plaas

Om as 'n belangstellende en/of geaffekteerde party (B&GP) te registreer en/of om bykomende inligting te bekom, moet u asseblief u naam, kontakbesonderhede (telefoonnommer, pos- en e-posadres) en die belang wat u FV in u korrespondensie gebruik.

**Hlengiwe Ntuli**  
SIVEST Environmental Tel: 011 798 0600  
P O Box 2921 Faks: 011 803 7272  
RIVONIA E-pos: hlengiwen@sivest.co.za / sivest\_ppp@sivest.co.za  
2128 Webwerf: www.sivest.co.za

SIVEST  
Environmental Division

SIVEST  
Established in 1952

**NOTICE OF THE BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF THE BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR THE AUTHORISED MIERDAM PHOTO VOLTAIC (PV) SOLAR ENERGY FACILITY LOCATED NEAR LOCATED THE TOWN OF PRIESKA, IN THE SIYATHEMBA LOCAL MUNICIPALITY, PIXLEY KA SEME DISTRICT IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA.**  
• DEFF Ref No: To be allocated

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 07 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Mierdam (Pty) Ltd (here after referred to as "Mainstream") has appointed SIVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Basic Assessment (BA) and Public Participation Processes (PPP) for the above-mentioned development.

**PROJECT DESCRIPTION**

South Africa Mainstream Renewable Power Mierdam (Pty) Ltd is proposing the construction and operation of Battery Energy Storage System (BESS) and associated infrastructure for the authorised Mierdam PV Solar Energy Facility (12/12/20/2320/2). It is proposed that the BESS will be located adjacent to the on-site substation on the Mierdam Solar Energy Facility development site. The footprint of the battery storage area will be up to two (2) hectares (ha) and the BESS capacity will be up to 200MWh.

The following Listed Activities will be triggered:

Listing notice	Activity No.	Activity description
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> .
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	19	The infilling or depositing of any material of more than 10 cubic meters into, or the dredging, excavation, removal or moving of soil, sand shells, shell grit, pebbles or rock of more than 10 cubic meters from a watercourse.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	28 (ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (i) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare.

The need for a BESS stems from the fact that electricity is only produced by the Solar Energy Facility while the sun is shining, and not necessarily during periods of peak demand. As such, the storage of electricity and supply thereof during peak demand will mean that the facility is more efficient, more reliable and electricity supply will be more constant. Currently, the battery technologies being considered are either Solid State Batteries or Redox Flow Batteries.

**PROJECT LOCATION**

The Mierdam Solar Photovoltaic (PV) Energy Facility is located near Prieska, in the Siyathemba Local Municipality, Pixley ka Seme District in the Northern Cape Province of South Africa.

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63E	Farm

To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information please submit your name, contact details (telephone number, postal address and email address) and the interest which you have in the application to SIVEST as per the details below and please reference the 'Mierdam PV' in your correspondence.

**Hlengiwe Ntuli**  
SIVEST Environmental Tel: (011) 798 0600  
P O Box 2921 Faks: (011) 803 7272  
RIVONIA E-mail: hlengiwen@sivest.co.za / sivest\_ppp@sivest.co.za  
2128 Website: www.sivest.co.za

**KENNISGEWING VAN DIE BASIESE EVALUERING (BE) VIR DIE BEOOGDE OPRIGTING EN BEDRYF VAN DIE BATTERYKRAG-BERGINGSTELSEL (BESS) EN VERWANTE INFRASTRUKTUUR EN INSLUITING VAN BYKOMENDE GELYSDE AKTIWITEITE VIR DIE GEMAGTIGDE MIERDAM FOTOVOLTAÏESE (FV) SONKRAGAAANLEG NABY DIE DORP PRIESKA IN DIE SIYATHEMBA PLAASLIKE MUNISIPALITEIT, PIXLEY KA SEME DISTRIK IN DIE NOORD-KAAPPROVINSIE VAN SUID-AFRIKA.**

**DEFF-verwysingsno.: Moet nog toegeken word**

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

**PROJEKBESKRYWING**

South Africa Mainstream Renewable Power Mierdam (Edms.) Bpk. beoog die oprigting en bedryf van 'n Batterykrag-bergingstelsel (BESS) en verwante infrastruktuur vir die gemagtigde Mierdam FV-sonkragaanleg (12/12/20/2320/2). Daar word beoog dat die BESS langs die interne substasie op die Mierdam Sonkragaanleg se ontwikkelingsterrein geleë sal wees. Die batterybergingsgebied se voetspoor sal hoogstens twee (2) hektaar (ha) beslaan en die BESS se vermoë sal hoogstens 200 MWh wees.

Daar sal aanleiding gegee tot die volgende Gelyste Aktiwiteite:

Lyskennisgewing:	Aktiwiteitno.:	Beskrywing van aktiwiteit
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	14	Die ontwikkeling en verwante bedryf van aanlegte of infrastruktuur vir die berging, of vir die berging en hantering, van 'n gevaarlike goedere, waar sodanige berging plaasvind in houers met 'n gesamentlike kapasiteit van 80m <sup>3</sup> of meer, maar nie meer nie as 500m <sup>3</sup> nie.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	19	Die invulling of afsetting van enige materiaal van meer as 10 kubieke meter in, of die baggering, uitgraving, verwydering of verplasing van grond, sand, skulpe, skulpgruis, klipies of rots van meer as 10 kubieke meter vanaf 'n waterloop.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	27	Die ontbossing van 'n gebied van 1 hektaar of meer, maar minder as 20 hektaar van inheemse plantegroei, behalwe waar sodanige ontbossing van inheemse plantegroei is vir— (i) die onderneming van 'n lineêre aktiwiteit; of (ii) instandhoudingsdoelindes wat ooreenkomstig 'n instandhoudingsbestuursplan onderneem word.
Staatskennisgewing R983 van 4 Desember 2014 (soos gewysig)	28 (ii)	Residensiële, gemengde, kleinhandel-, kommersiële, nywerheids- of institusionele ontwikkelings, waar sodanige grondgebruik vir landbou, wildsboerdery, perdrydoelindes of bosaanplanting was op of ná 1 April 1998 en waar sodanige ontwikkeling: (ii) buite 'n stedelike gebied sal plaasvind waar die totale oppervlak van die grond wat ontwikkel moet word, groter as 1 hektaar is.

Die behoefte vir 'n BESS spruit voort uit die feit dat elektrisiteit slegs deur die Sonkragaanleg opgewek sal word terwyl die son skyn en nie noodwendig gedurende tye van spitsaanvraag nie. Gevolglik sal die berging van elektrisiteit en die voorsiening daarvan tydens spitsaanvraag beteken dat die aanleg meer doeltreffend en meer betroubaar sal wees en dat die elektrisiteitsvoorsiening meer bestendig sal wees. Tans is die batterytegnologieë wat oorweeg word hetsy Vastestaat-battery of Redoksvloei-battery.

**PROJEKLISSING**

Die Mierdam Fotovoltaïese (FV) Sonkragaanleg is geleë naby Prieska in die Siyathemba Plaaslike Munisipaliteit, Pixley ka Seme Distrik, in die Noord-Kaapprovinsie van Suid-Afrika.

No.	Plaasnaam	Plaas-/Erfno.	Gedeelte	Breedtegraad	Lengtegraad	Soort eiendom
1	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63O	Plaas

**Om as 'n belangstellende en/of geaffekteerde party (B&GP) te registreer en/of om bykomende inligting te bekom**, moet u asseblief u naam, kontakbesonderhede (telefoonnommer, pos- en e-posadres) en die belang wat u by die aansoek het aan SiVEST verstrek by die onderstaande besonderhede en asseblief die verwysing 'Mierdam FV' in u korrespondensie gebruik.

**Hlengiwe Ntuli**

SiVEST Environmental  
Posbus 2921  
RIVONIA  
2128

Tel: 011 798 0600  
Faks: 011 803 7272  
E-pos: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)  
Webwerf: [www.sivest.co.za](http://www.sivest.co.za)

**NOTICE OF THE BASIC ASSESSMENT (BA) FOR THE PROPOSED CONSTRUCTION AND OPERATION OF THE BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE AND INCLUSION OF ADDITIONAL LISTED ACTIVITIES FOR THE AUTHORISED MIERDAM PHOTO VOLTAIC (PV) SOLAR ENERGY FACILITY LOCATED NEAR LOCATED THE TOWN OF PRIESKA, IN THE SIYATHEMBA LOCAL MUNICIPALITY, PIXLEY KA SEME DISTRICT IN THE NORTHERN CAPE PROVINCE OF SOUTH AFRICA.**

- **DEFF Ref No: To be allocated**

In terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) as amended and the Environmental Impact Assessment (EIA) Regulations, under Government Notices No R982, R983, R984 and R985 promulgated on 4 December 2014 and amended on 07 April 2017, notice is hereby given that South Africa Mainstream Renewable Power Mierdam (Pty) Ltd (here after referred to as "Mainstream") has appointed SiVEST SA (Pty) Ltd, as the independent Environmental Assessment Practitioner (EAP), to undertake the required Basic Assessment (BA) and Public Participation Processes (PPP) for the above-mentioned development.

**PROJECT DESCRIPTION**

South Africa Mainstream Renewable Power Mierdam (Pty) Ltd is proposing the construction and operation of Battery Energy Storage System (BESS) and associated infrastructure for the authorised Mierdam PV Solar Energy Facility (12/12/20/2320/2). It is proposed that the BESS will be located adjacent to the on-site substation on the Mierdam Solar Energy Facility development site. The footprint of the battery storage area will be up to two (2) hectares (ha) and the BESS capacity will be up to 200MWh.

The following Listed Activities will be triggered:

Listing notice:	Activity No:	Activity description
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80m <sup>3</sup> or more but not exceeding 500m <sup>3</sup> .
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	19	The infilling or depositing of any material of more than 10 cubic meters into, or the dredging, excavation, removal or moving of soil, sand shells, shell grit, pebbles or rock of more than 10 cubic meters from a watercourse.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.
GNR 983 of 4 <sup>th</sup> December 2014 (as amended)	28 (ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;

The need for a BESS stems from the fact that electricity is only produced by the Solar Energy Facility while the sun is shining, and not necessarily during periods of peak demand. As such, the storage of electricity and supply thereof during peak demand will mean that the facility is more efficient, more reliable and electricity supply will be more constant. Currently, the battery technologies being considered are either Solid State Batteries or Redox Flow Batteries.

**PROJECT LOCATION**

The Mierdam Solar Photovoltaic (PV) Energy Facility is located near Prieska, in the Siyathemba Local Municipality, Pixley ka Seme District in the Northern Cape Province of South Africa.

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	Kaffirs Kalk	118	1	30°4'50.07S	22°22'32.63E	Farm

**To register as an Interested and / or Affected Party (I&AP) and / or to obtain additional information** please submit your name, contact details (telephone number, postal address and email address) and the interest which you have in the application to SiVEST as per the details below and please reference the 'Mierdam PV' in your correspondence:

**Hlengiwe Ntuli**

SiVEST Environmental  
P O Box 2921  
RIVONIA  
2128

Tel: (011) 798 0600  
Fax: (011) 803 7272  
E-mail: [hlengiwen@sivest.co.za](mailto:hlengiwen@sivest.co.za) / [sivest\\_ppp@sivest.co.za](mailto:sivest_ppp@sivest.co.za)  
Website: [www.sivest.co.za](http://www.sivest.co.za)