



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:
NEAS Reference Number:
Date Received:

(For official use only)
DEA/EIA/

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

PROPOSED VELD PV SOUTH SOLAR ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINDER OF FARM 53 HARAMOEP, NEAR AGGENEYS IN THE NORTHERN CAPE

Indicate if the **DRAFT** report accompanies the application

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Date of the pre-application meeting	Not applicable as no meeting were held.			
Reference number of pre-application meeting held	Not applicable as no meeting were held			
Was minutes compiled and submitted to the Department for approval	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This application form is current as of **04 October 2019**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. The onus is on the Applicant/EAP to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in Listing Notice 1, 2, or 3 of the EIA regulations, 2014 as amended, it must also form part of the Application for Environmental Authorisation.
4. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.
5. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.

6. An electronic copy (in the form of a USB) of the signed application form must be submitted together with two hardcopies (one of which must contain the **original signatures** of both the Applicant and EAP).
7. This form must be marked **“for Attention: Chief Director: Integrated Environmental Authorisations”** and submitted to the Department at the postal or physical addresses contained in this form.
8. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which are visible on the Departmental gate.
9. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.
10. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).
11. Where applicable black out the boxes that are not applicable in the form.
12. The use of the phrase “not applicable” in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the rejection of the application as provided for in the Regulations.
13. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
14. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
15. Please note that this form must be copied to the relevant Provincial Environmental Department(s)
16. An application for Environmental Authorisation/Amendment lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.
17. An application for environmental authorisation must be accompanied by a report generated by the web based environmental screening tool (in Appendix 11). This has been stipulated as a requirement for the submission of applications for environmental assessment in the Environmental Impact Assessment Regulations. The Screening Tool allows for the generation of a Screening Report referred to in Regulation 16(1)(v) of the Environmental Impact Assessment Regulations 2014, as amended, whereby a Screening Report is required to accompany any application for Environmental Authorisation.

Departmental Details

Postal address:

Department of Environmental Affairs
 Attention: Chief Director: Integrated Environmental Authorisations
 Private Bag X447
 Pretoria
 0001

Physical address:

Department of Environmental Affairs
 Attention: Chief Director: Integrated Environmental Authorisations
 Environment House
 473 Steve Biko Road
 Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
 Email: EIAAdmin@environment.gov.za

1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:
Reason(s) in terms of S24C of NEMA:

Department of Environmental Affairs
The project would form part of a National programme associated with the Department of Energy and all related applications are handled by the DEA.

2. FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 2** of this application form.

Proof of payment	✓
Exclusion applies	

An applicant is excluded from paying fees if:

- The activity is a community-based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000 ✓
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' banking details for the payment of application fees:

<p>Payment Enquiries: Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p> <p>Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Status: Tax exempted</p>
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3. GENERAL INFORMATION

Name of the Applicant:	Veld PV South (Pty) Ltd		
RSA Identity/ Passport Number:	NA		
Name of contact person for applicant (if other):	Jason Cope (Director)		
RSA Identity/ Passport Number:	7708275141084		
Responsible position, e.g. Director, CEO, etc.:	Director		
Company/ Trading name (if any):	Veld PV South (Pty) Ltd		
Company Registration Number:	2016/467696/07		
BBBEE status:	Level 4		
Physical address:	6B The Wellington 96 Longmarket Street Cape Town		
Postal address:	As above		
Postal code:	8001	Cell:	082 598 1123
Telephone:	+27 21 020 1044	Fax:	-
E-mail:	jcope@veldren.co.za		
Name of the landowner:	Mr A De Waal (Haramoep, Farm no.53) for new and preferred site		
Name of contact person for landowner (if other):	Mr A De Waal		
Postal address:	PO Box 424, Springbok		
Postal code:	8240	Cell:	-
Telephone:	054 933 0819	Fax:	-
E-mail:	-		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 3**.

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014), written consent of landowner/s must be submitted in **APPENDIX 3**.

The declaration undertaking by the applicant must be submitted as **APPENDIX 9**.

Provincial Environmental Authority:	Northern Cape Department of Environment and Nature Conservation		
Name of contact person:	Mr T Makaudi		
Postal address:	Private Bag X6102, Kimberley		
Postal code:	8301	Cell:	-
Telephone:	053 807 7300	Fax:	-
E-mail:	tmakaudi@ncpg.gov.za		

Local Municipality:	Khai-Ma Local Municipality		
Name of contact person in (Environmental Section):	Edward Cloete		
Postal address:	P.O Box 108 Pofadder		
Postal code:	8890	Cell:	-
Telephone:	054 933 1000	Fax:	054 933 0252
E-mail:	munman@khaima.gov.za		

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/Provincial Authorities with their contact details as **APPENDIX 4**.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	Aurecon South Africa (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition 135
EAP name:	Charles Norman		
EAP Qualifications:	Master's Degree in Environmental Law		
Professional affiliation/registration:	Mr Norman is a member of the South African affiliate of the International Association for Impact Assessment (IAIAsa).		
Physical address:	Suite 201, 2nd Floor, Bloemhof Building, 65 York Street, George South Africa 6529		
Postal address:	PO Box 509, George 6530 South Africa		
Postal code:	6539	Cell:	082 8977071
Telephone:	044 8055433	Fax:	044 8055454
E-mail:	Charles.Norman@aurecongroup.com		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **APPENDIX 10**.

5. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

Veld PV South (Pty) Ltd (Veld PV South) proposes developing a 75 MW Photovoltaic (PV) solar energy facility on Haramoep (Remainder of Farm 53) in the Namakwa District Municipality approximately 20 km north-west of Aggeneys in the Northern Cape. The development has been designed with the intention that the Veld PV South solar facility would form part of a consolidated solar development which will consist of the proposed Veld PV South (75 MW) and the proposed Veld PV North (75 MW) PV facilities. These proposed facilities would utilise shared infrastructure where possible to minimise their overall footprint. To evacuate the power generated by the proposed Veld PV North (and South), a grid connection is required between the solar farm project area and the Aggeneys substation. **This application pertains specifically to Veld PV South and the grid connection proposed by the proponent Veld PV South (Pty) Ltd.**

The site was selected as it falls within an area considered to have some of the highest solar resource in South Africa.

The proposed project also requires a grid connection. Two alternatives are proposed.

- (i) The proposed grid connection for Veld PV South will either consist of a 132 kilovolt (kV) overhead powerline, approximately 27 km in length that would feed into the national electricity grid at the Aggeneys substation. A 35m servitude will be required for the construction of the powerline and it will run adjacent to the existing 220 kV powerline that runs past the site, comprising single circuit steel monopoles with bird perches, or
- (ii) Veld PV South would connect via a 220 kV Loop-in, Loop-out (LILo) line between the facility and an existing 220 kV transmission line, with the line being approximately 2100 m in length

The following components would be required for the solar farm and to evacuate the power generated by the proposed Veld PV South.

- **A photovoltaic component**, comprising of numerous arrays of PV solar panels mounted on steel tracking mounts and footings with associated support infrastructure to generate up to 75 MW of renewable energy
- **Inverters**, to convert the direct current (DC) generated by the PV modules into alternating current (AC) with transformers in each block to step up the 400V to 33kV
- **On-site substations**, including transformers to step up the 33-kV power generated by the inverters, either to 132 kV to connect to the new 132 kV overhead transmission line or to 220kV to connect via LILo to the existing transmission line
- **Internal cabling** laid underground when feasible to connect the PV modules to the on-site substation and inverters
- **Internal access roads** for servicing and maintenance of the site
- **Stormwater infrastructure**
- **Temporary construction areas** for use during construction
- **Buildings**, including an operations and maintenance building, a connection building, control building, guard cabin
- **Weather stations** within and along the fenced perimeter of the site
- **Perimeter fencing.**

The site was also strategically selected as it falls within the Springbok Renewable Energy Development Zone (REDZ) identified as part of a Strategic Environmental Assessment. The aim of the SEA was to identify the most suitable areas from both an environmental and socio-economic perspective where large scale wind and solar PV energy facilities should be developed, referred to as REDZ. In addition, an Electricity Grid Infrastructure (EGI) SEA was commissioned in 2014 to identify power corridors that will enable the efficient and effective expansion of key strategic transmission infrastructure designed to satisfy national transmission requirements up to 2040. On 17 February 2016 Cabinet approved the gazetting of 8 Renewable Energy Development Zones (REDZ) and 5 Power Corridors. These Renewable Energy Development Zones and Power Corridors are geographical areas where wind and solar Photovoltaic technologies can be incentivized, where 'deep' grid expansion can be directed and where regulatory processes will be streamlined. The REDZs act as energy generation hubs and provide anchor points for grid expansion thereby allowing for strategic and proactive expansion of the grid into these areas. This will ensure that the grid expansion does not hamper the progress of the renewable energy power purchase agreement process.

The REDZs and Power Corridors support 2 of the 18 Strategic Integrated Projects (SIPs) which were identified in the Infrastructure Development Plan which is aimed at promoting catalytic infrastructure development to stimulate economic

growth and job creation.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	YES✓	NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES	NO✓
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	NO✓

If **YES**, please indicate which SIPs are applicable in **APPENDIX 5**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **APPENDIX 5**. Please include further detail on a REDZ/EGI application in the Project Description and illustrate on the maps attached to this form.

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	YES✓	NO
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Infrastructure /Transport Services/Roads - Public		Services/Waste Management Services/Disposal facilities - Hazardous	
Infrastructure /Transport Services/Roads - Private		Services/Waste Management Services/Disposal facilities - Nuclear	
Infrastructure /Transport Services/Rail - Public		Services/Waste Management Services/Disposal facilities - General	
Infrastructure /Transport Services/Rail - Private		Services/Waste Management Services/Treatment facilities - Hazardous	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Commercial		Services/Waste Management Services/Treatment facilities - General	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Private		Services/Waste Management Services/Storage Facilities - General	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Public Services		Services/Waste Management Services/Storage Facilities - Hazardous	
Infrastructure /Transport Services - Ports		Services/Waste Management Services/Storage Facilities - Nuclear	
Infrastructure /Transport Services - Inland Waterways		Services/Burial and cemeteries - Cemeteries	
Infrastructure /Transport Services - Marina		Services/Burial and cemeteries - Cremators	
Infrastructure /Transport Services - Canal		Services/Water services/Storage - Dams	
Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/Development Setback/100M Inland/or coastal public property.		Services/Water services/Storage - Reservoirs	
Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides		Services/Water services - Desalination	
Infrastructure /Localised infrastructure - Cableway or Funiculars		Services/Water services - Treatment & Waste Water	
Infrastructure /Localised infrastructure - Billboards		Services - Hospitality	
Infrastructure /Localised infrastructure - Depot for dangerous goods		Mining - Prospecting rights	
Infrastructure /Localised infrastructure - Filling station or Tanks for dangerous goods		Mining - Mining Permit	
Utilities Infrastructure/Pipelines - Fresh/Storm Water Urban		Mining - Mining Right	
Utilities Infrastructure/Pipelines - Fresh/ Storm Water Rural		Mining/Exploration Right - Gas or Oil Marine	

Utilities Infrastructure/Pipelines - Waste Water		Mining/Exploration Right - Gas or Oil Terrestrial	
Utilities Infrastructure/Pipelines - Dangerous Goods Urban		Mining/Production Right - Gas or Oil Marine	
Utilities Infrastructure/Pipelines - Dangerous Goods Rural		Mining/Production Right - Gas or Oil Terrestrial	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Tower		Mining/Underground gasification of coal - Oil	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Mast		Mining/Beneficiation - Hydrocarbon	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Receivers		Mining/Beneficiation - Mineral	
Utilities Infrastructure - Marine Cables		Agriculture/Forestry/ Fisheries - Crop Production	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Petroleum		Agriculture/Forestry/ Fisheries - Animal Production	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Coal		Agriculture/Forestry/ Fisheries - Afforestation	
Utilities Infrastructure/Electricity /Generation/Non Renewable - Nuclear		Agriculture/Forestry/ Fisheries - Aquaculture	
Utilities Infrastructure/Electricity /Generation/Renewable - Hydro		Agriculture/Forestry/ Fisheries - Agro-Processing	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	✓	Transformation of land - Indigenous vegetation	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP		Transformation of land - From open space or Conservation	
Utilities Infrastructure/Electricity /Generation/Renewable - Wind		Transformation of land - From agriculture or afforestation	
Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels		Transformation of land - From mining or heavy industrial areas	
Utilities Infrastructure/Electricity /Generation/Renewable - Wave		Any activities within or close to a watercourse	
Utilities Infrastructure/Electricity /Distribution and Transmission - Power line		Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	
Utilities Infrastructure/Electricity /Distribution and Transmission/Substation -		Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	
Release of Genetically Modified Organisms		Activity requiring permit or licence - Marine Effluent	
		Activity requiring permit or licence - Fresh Water Effluent	

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	YES	NO ✓
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of: -		

6. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Northern Cape
District Municipality/ies	Namakwa District Municipality
Local Municipality/ies	Khâi-Ma Local Municipality
Ward number/s	Khâi-Ma Local Municipality (Ward 3)
Nearest town/s	Aggeneys
Farm name/s and number/s	Haramoep Farm no.53
Portion number/s	Remainder

Surveyor General 21 digit code:

(If there are more than 4, please attach a list with the rest of the codes as **APPENDIX 6**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **APPENDIX 6**.)

C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0
1	2		3			4					5									

Locality map:	<p>A locality map must be attached to the application form, as APPENDIX 7. The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must include the following:</p> <ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • a legend; • the prevailing wind direction; • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
Project Plan (e.g. Gantt chart)	<p>A project schedule must be submitted as APPENDIX 8, and must include milestones for:</p> <ul style="list-style-type: none"> • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments); • the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; • the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). <p>Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations. Possible appeals may impact on project timeframes/milestones. Regulation 45 states that "An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7)." It is recommended that the Department be approached for guidance on the process to be followed, prior to submitting an application.</p>

7. ACTIVITIES APPLIED FOR

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Detailed description of listed activities associated with the project		
ACTIVITY NO.	RELEVANT LISTED ACTIVITY	ASPECT OF PROJECT (Describe the portion of the proposed project to which the applicable listed activity relates).
GN R327, 7 April 2017 (as amended)		
11	The development of facilities or infrastructure for the transmission and distribution of electricity— (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more;	The proposed grid connection will consist of a 132 kilovolt (kV) overhead powerline, approximately 25 km in length. The bulk of the power line will run in length within a rural and agricultural area.
12	The development of – (ii) infrastructure or structures with a physical footprint of 100 square metres or more where such development occurs— (a) within a watercourse; (c) if no development setback exists, within 32 m of a watercourse, measured from the edge of a watercourse; -	A few drainage lines are scattered across the proposed property and one or more roads and / or other infrastructure will cross these lines and be within 32 m thereof.
19	The infilling or depositing of any material of more than 10 m ³ into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 m ³ from (i) a watercourse;	The infilling or depositing of any material of more than 10 m ³ into a watercourse will likely be triggered with the construction of internal service roads or cables across drainage lines as well as the widening of the existing access road which crosses numerous small drainage lines.
28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 1 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 ha.	The farm on which the project is proposed is still being used for livestock grazing (mostly sheep).
GN R325, 7 April 2017(as amended)		
1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs - (a) Within an urban area; or (b) on existing infrastructure;	The proposed project would have a maximum generation capacity of 75 MW.
GN R324, 7 April 2017 (as amended)		
4	The development of a road wider than 4 metres with reserve less than 13,5 metres. g. Northern Cape ii. Outside urban areas: (bb) National Protected Area Expansion Strategy Focus	The construction of a road wider than 4 m with a reserve less than 13.5 m (no reserve) might be required outside the urban area and within an area containing indigenous vegetation, as the existing road will need extension in some places.

Detailed description of listed activities associated with the project

ACTIVITY NO.	RELEVANT LISTED ACTIVITY	ASPECT OF PROJECT (Describe the portion of the proposed project to which the applicable listed activity relates).
	<p>areas;</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>The project is located within a National Protected Area Expansion Strategy Focus as well as areas designated as Critical Biodiversity Areas. The project is also located within an Important Bird Area.</p>
12	<p>The clearance of an area of 300 square metres (m²) or more of indigenous vegetation <i>except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i></p> <p>g. Northern Cape:</p> <p>(ii) Within critical biodiversity areas as identified in bioregional plans;</p>	<p>The clearance of more than 300 m² of indigenous vegetation will likely be required for the project. The total area to be transformed is approximately 300 ha.</p> <p>The project is located within areas designated as Critical Biodiversity Areas.</p>
14	<p>The development of —</p> <p>(xii) infrastructure or structures with a physical footprint of 10 square metres or more;</p> <p>where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>g. Northern Cape</p> <p>ii. Outside urban areas:</p> <p>(bb) National Protected Area Expansion Strategy Focus areas;</p> <p>(dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>Associated infrastructure (eg, fencing, substation, transmission lines, buildings, roads etc) may be located within or within proximity to a watercourse.</p> <p>The project is located within a National Protected Area Expansion Strategy Focus as well as areas designated as Critical Biodiversity Areas. The project is also located within an Important Bird Area.</p>
18	<p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>g. Northern Cape</p> <p>ii. Outside urban areas:</p> <p>(bb) National Protected Area Expansion Strategy Focus areas;</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>Access roads of approximately 6 to 10 m in width would be required to develop the proposed project, the combination of which would exceed 1 km. Existing roads will be used as far as practically possible and feasible but would require widening by more than 4 m and new roads greater than 1 kilometre in length are likely to be required in some areas.</p> <p>The project is located within a National Protected Area Expansion Strategy Focus as well as areas designated as Critical Biodiversity Areas. The project is also located within an Important Bird Area.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Only those activities listed above shall be considered for authorisation. The onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity.

Coordinate points indicating the location of each listed activity must be provided as part of **APPENDIX 6** as well part of the reports to be submitted. Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

8. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R982 of 04 December 2014, as amended.

The aim of the Public Participation Process (PPP) described below is to be compliant with Regulation 41(2) of GN R982 and to:

- Ensure that the full range of interested and affected parties (I&APs) including stakeholders, regulatory authorities, community leaders, landowners, neighbouring landowners, key non-governmental organisations and civic associations, as well as general members of the public, are consulted at the applicable time and in the appropriate manner, and
- Ensure the communication of key information to registered I&APs, and to encourage feedback in the language of preference.

The following tasks are included in the PPP

- Notifications about the EIA process for Veld PV North and will be circulated via:
 - **Newspaper advertisements:** advertisements in English and Afrikaans will be placed in a local newspaper, *Die Plattelander*, notifying the broader public of the initiation of the BA process and inviting them to register as I&APs.
 - **Site notices:** posters in English and Afrikaans will be erected at the entrance of the proposed site, and at Pofadder Public Library.
 - **Written notification:** letters and/ or emails will be issued to all identified stakeholders informing them of the proposed project including a notification of the availability of the draft Basic Assessment Report for comment. Further notification of the BA will be sent to registered I&APs at that stage of the process.
- Meetings:
 - A pre-application meeting for the original proposed project was undertaken with DEA on 18 November 2016. The applicant liaised telephonically with DEA who indicated that a pre-application meeting for this new application was not necessary.

The initial database of I&APs includes the landowners, the adjacent landowners, relevant district and local municipal officials, relevant national and provincial government officials, and organisations in the area. This database will be augmented via chain referral during the EIA process, and will be continually updated as new I&APs are identified throughout the project lifecycle.

Authority involvement commences at the start of the project with the pre-application meeting with DEA to notify them of the proposed project. The following national, provincial and regional authorities were identified as I&APs:

- Provincial and local authorities, and parastatal organisations:
 - Eskom Distribution;
 - Khai-Ma LM;
 - Namakwa District Municipality (DM);
 - Northern Cape Department of Agriculture, Land Reform & Rural Development;
 - Northern Cape Department of Environmental Affairs and Nature Conservation;
 - Northern Cape Department of Roads and Transport;

- Northern Cape Tourism Authority; and
- Northern Cape Provincial Heritage: Boswa ya Kapa Bokone
- National departments and organisations:
 - BirdLife South Africa;
 - Civil Aviation Authority;
 - Conservation agencies: WESSA, EWT and WWF SA;
 - Council for Geoscience;
 - Department of Agriculture, Forestry and Fisheries: Directorate: Land Use and Soil Management;
 - Department of Energy;
 - Department of Environmental Affairs: Integrated Environmental Management;
 - Department of Environmental Affairs: Biodiversity Conservation;
 - Department of Health;
 - Department of Mineral Resources;
 - Department of Transport;
 - Department of Water and Sanitation;
 - National Energy Regulator of South Africa (NERSA)
 - SENTECH;
 - South African National Roads Agency Limited;
 - South African Heritage Resource Agency;
 - Square Kilometre Array (SKA);
 - WeatherSA; and
- Other national/ provincial departments where deemed necessary.

Where the need arises, focus group meetings will be arranged with representatives from the relevant national and provincial departments and local authorities. The purpose of these meetings will be to ensure that the authorities have a thorough understanding of the need for the project and that Aurecon has a clear understanding of the authority requirements.

A Public Participation Report will be included as an annexure to the Final Basic Assessment Report, which will include proof of the full PPP undertaken.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES✓	NO
If YES, please indicate the following:			
Competent Authority	Department: Environmental Affairs		
Application Reference Number	-29.124801/18.658334		
Project Name	Proposed Veld PV South Solar Energy Facility and associated infrastructure on the remainder of Farm 53 Haramoep, near Aggeneys in the Northern Cape.		
Please provide details of the steps taken to ascertain this information: Veld PV South (Pty) Ltd (Veld PV South) proposes developing a 75 MW Photovoltaic (PV) solar energy facility on Haramoep (Remainder of Farm 53) in the Namakwa District Municipality approximately 20 km north-west of Aggeneys in the Northern Cape.			

Applications in terms of the National Environmental Management Act ("NEMA") & specific environmental management Acts ("SEMA's"):

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
National Water Act (Act No. 36 of 1998)	YES	NO	YES	NO
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	YES	NO	YES	NO
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	YES	NO	YES	NO
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)	YES	NO	YES	NO
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)	YES	NO	YES	NO
National Environmental Management: Waste Act (Act No. 59 of 2008)	YES	NO	YES	NO
Others: Please specify: Heritage	YES	NO	YES	NO

Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**. **An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities;**
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority prior to an Application for Environmental Authorisation being lodged with the Competent Authority; and
- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form. If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes	YES	NO
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES	NO
APPENDIX 3	List of land owners (with contact details) and written consent of land owners.	YES	NO
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	YES	NO
APPENDIX 5	Strategic Infrastructure Projects	YES	NO
APPENDIX 6	List of SGIDs and coordinates	YES	NO
APPENDIX 7	Locality map	YES	NO
APPENDIX 8	Project schedule	YES	NO
APPENDIX 9	Declaration of Applicant	YES	NO
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES	NO

**APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES**

**APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

**APPENDIX 3
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

**APPENDIX 5
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA’s main industrial hubs • Improve access to Durban’s export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation. 	
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p>SIP 8: Green energy in support of the South African economy</p> <p>Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>	

<p>Indicate capacity in MW:</p>	
<p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p>	
<p>Indicate capacity in MW:</p>	
<p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p>	

<p>The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	
<p>SIP 18: Water and sanitation infrastructure A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation. The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	

APPENDIX 6
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES / COORDINATES
OF LISTED ACTIVITIES

Landowner: Mr A De Waal				Erf number: RE/53				Name of farm: Haramoep				Farm size: 9830.33									
Farm property 21-digit SG code																					
C	0	5	3	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0
1	2			3				4				5									
132kV Gridline 21-digit SG code																					
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	2
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0
C	0	5	3	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	2
C	0	5	3	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	6
C	0	5	3	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	3
C	0	5	3	0	0	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	1
1	2			3				4				5									

**APPENDIX 7
LOCALITY MAP**

**APPENDIX 8
PROJECT SCHEDULE**

**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, _____, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the Competent Authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the Competent Authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
- I hereby indemnify the Government of the Republic of South Africa, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.

Signature³ of the applicant/ Signature on behalf of the applicant

Name of company (if applicable)

Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

**APPENDIX 10
DECLARATION OF THE EAP**

I, _____, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

Signature of the environmental assessment practitioner

Name of company:

Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, _____, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

Signature of the Environmental Assessment Practitioner

Name of Company

Date

Signature of the Commissioner of Oaths

Date

**APPENDIX 11
SCREENING TOOL REPORT**