



**(Amended) Application Form for Environmental Authorisation in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014 (Version 1/2022)**

**For official use only**

NEAS Reference Number:

Provincial Reference Number:

Date Received:


**Kindly note that:**

1. This application form is current as of April 2022. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. This form must be used to amend the Application Form for Environmental Authorisation that was completed through EIA online system. The amendments include adding, substituting, removing or updating and changing details and correcting a technical error.
3. If, in addition to this application, you must also apply for a Waste Management License in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) ("the Waste Act") and/or an Atmospheric Emission License in terms of the National Environmental: Air Quality Act, 2004 (Act No. 39 of 2004) ("NEM:AQA"), then separate application forms in terms of the applicable legislation must be completed and submitted simultaneously to the relevant licensing authorities, but a single EIA process must be undertaken. Copies of such applications must be attached to this Application Form. However, if the intention of the applicant is to undertake an Integrated Process (Integrated Authorisation), the applicant or the EAP is advised to seek guidance from the competent authority prior to commencing with the EIA process.
4. The application 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.
5. The use of the phrase "**not applicable**" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the refusal of the application.
6. The complete application form must be submitted on the EIA online system prior or simultaneously with the submission of the Basic Assessment Report or the Scoping and Environmental Impact Report. The EIA online system can be accessed at <https://eia.gauteng.gov.za>.
7. All application forms must be signed, and the Commissioner of Oaths Official stamp is mandatory as stipulated in the form. Applications that are not signed or completed accordingly will not be considered.
8. The applicant must fill in all relevant sections of this form. Incomplete applications will not be processed. The applicant will be notified of the missing information in the acknowledgement letter that will be sent within 10 days of receipt of the application.
9. Incomplete applications may be returned to the applicant for revision.
10. **Draft Reports (BAR, Scoping Report and EIR) for commenting purposes during public participation process must be uploaded to the EIA online system.**
11. In terms of Regulation 45 of the EIA Regulations 2014, this application will lapse should you fail to meet any of the timeframes prescribed in terms of these regulations, unless an extension has been granted in terms of regulations 3 (7), 19 (1, b) and 23 (1, b).
12. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.



13. The environmental data collected as part of the assessment process (spatial, species, etc.) must be uploaded to the EIA online system. Any environmental data (spatial or other) collected as part of the assessment process must be submitted to the department in electronic format. Spatial data should be in the format of zipped shapefiles in WGS 84 projection and an accompanying explanatory document or metadata. Other environmental data should be in a spreadsheet format clearly linked to the relevant spatial data. The data should be zipped and emailed to [environmentdata@gauteng.gov.za](mailto:environmentdata@gauteng.gov.za). The shapefiles must be labelled / named using the registration number given and the type of data for the application (e.g. "GAUT\_0022\_22\_23\_E0001\_project title" no spaces)."

## 1. DEPARTMENTAL DETAILS

### Postal Address

Gauteng Department of Agriculture and Rural Development  
Attention: Deputy Director: Strategic Administrative Unit of the Sustainable Utilization of the Environment (SUE) Branch  
P. O. Box 8769  
Johannesburg  
2000

### Physical Address

Administrative Unit of the Sustainable Utilisation of the Environment (SUE) Branch  
Ground floor, Umnotho House, 56 Eloff Street  
Johannesburg

Queries should be directed to the Strategic Administrative Unit at:  
Administrative Unit telephone number (011) 240 3051/3052  
Departmental central telephone number (011) 240 2500

View the Department's website at [http:// www.gauteng.gov.za](http://www.gauteng.gov.za) for the latest version of the documents

## Application for Environmental Authorisation in terms of NEMA

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.

## 2. FEES

Gauteng Department of Agriculture and Rural Development' details for the payment of application fees

**The following should be noted by all clients:**

**An application must be submitted within 90 days after a deposit was made for such application;**

**A reference number must be obtained from the Department before a payment is processed and must be recorded on the deposit as the clients deposit reference. No deposit may be made without the reference provided by the Department.**

**No refunds will be made by the Department if an application is not submitted within the 90 days as**



**indicated.**

**No Cash deposits will be accepted. Only EFT, Bank and Speed Point payments will be accepted.**

**No application will be processed if confirmation of payment wasn't made by the Department.**

**Payment Enquiries:**

Contact person: Nhlanhla Makhathini  
Tel: (011) 240 3051/3052  
Email: nhlanhla.makhathini@gauteng.gov.za

**Department Banking details:**

Bank Name: Standard Bank South Africa (SBSA)  
Account Name: GPG AGRIC & RURAL DEV SUPP ACC  
Type of Account: Business Current Account  
Account Number: 30 230 638 2  
Branch Name: No 5 Simmonds  
Branch Code: 00 5055  
Reference number: Project Reference Number (to be obtained from the Department) followed by 4 Xs e.g. GAUT0022223E0001XXXX **(please note that this bank account has a transaction rule with a 20 alpha/numeric reference, filled with X, quote this reference number when making payment)**

Application form to be submitted with proof of payment attached- **Annexure 1**

**Tax exemption status:**

Status: Tax Exempted

**EXCLUSIONS**

**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.

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, exclusion applies. Proof and a motivation for exclusions must be attached to this application form as **Annexure 2**.

Proof attached

Exclusion applies



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**

Application	Fee
Applications for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000
Applications dealt with in terms of section 24L of the Act (where an environmental authorisation is required in terms of NEMA and a waste management license is required in terms of NEMWA and the same competent authority is dealing with both these applications)	

**1. BACKGROUND INFORMATION**

**Project applicant Details**

Project applicant:	Middelvlei Solar (Pty) Ltd		
Trading name (if any):			
Responsible position, e.g. Director, CEO, etc.:	Director		
Contact person:	Gareth Warner		
Postal address:	PO Box 1197, Gallo Manor, Gauteng		
Postal code:	2052	Cell:	083 257 0275
Telephone:	0115753336	Fax:	
E-mail:	gareth@sigsoarafrica.com		

Please duplicate the above section in instances where there is more than one applicant.



**Local Municipality Details**

Local municipality	Rand West City Local Municipality		
Contact person:	Thabo Ndlovu		
Postal address:	Cnr Pollock & Sutherland Street, Randfontein		
Postal code:	1760	Cell:	0797022400
Telephone:	0114110318	Fax:	
E-mail:	thabo.ndlovu@randwestcity.gov.za		

Please duplicate the above section in instances where there is more than one Municipality.

**Land Owner Details**

Land owner	Portion 132 Middelvlei (Pty) Ltd		
Contact person:	Clyde Lok / Gareth Warner		
Postal address:	PO Box 1197, Gallo Manor, Gauteng		
Postal code:	2052	Cell:	0829006800
Telephone:	011 575 3336	Fax:	
E-mail:	<a href="mailto:lok@icon.co.za">lok@icon.co.za</a>		

Please duplicate the above section in instances where there is more than one landowner. **Consent use form in Addendum 1 must be filled if the applicant is not landowner or person in control of the land where the development will / is taking place. Further, the above section must be duplicated in instances where there is more than one landowner.**

**Environmental Assessment Practitioner (EAP) Details**

Professional affiliation/registration:	SACNASP – South African Council for Natural Scientific Professions EAPASA – Environmental Assessment Practitioners Association of South Africa		
Contact person (EAP):	Jo-Anne Thomas		
Company:	Savannah Environmental (Pty) Ltd		
Postal address:	PO Box 148, Sunninghill		
Postal code:	2157	Cell:	082 775 5628
Telephone:	011 656 3237	Fax:	086 684 0547
E-mail:	joanne@savannahsa.com		

**2. PROJECT INFORMATION**

**Project Title**

Middelvlei Solar and Associated Infrastructure on a site located near Randfontein, Gauteng Province
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**Scope of the Activity**

The Applicant, Middelvlei Solar (Pty) Ltd, a special purpose vehicle (SPV) of the developer Sigma Energy Capital (Pty) Ltd, is proposing the construction of a photovoltaic (PV) solar energy facility (known as Middelvlei Solar) on a site located approximately 7km south-west of the town of Randfontein in the Gauteng Province. A preferred project site, Portion 132 (a portion of portion 6) of the Farm Middelvlei 255 IQ, with an extent of 204.44ha has been identified by the Applicant for
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investigation through the S&EIA process. Approximately 200ha will be developed for the project. The site is a vacant stand with sufficient space to construct the PV facility of up to 120MW, and associated infrastructure. The extent of the site will provide the opportunity for the optimal placement of the infrastructure, while ensuring avoidance of major identified environmental sensitivities.

The project infrastructure will include:

- A Solar PV Plant comprising single axis tracking PV modules (up to 120MW)
- Inverters and transformers
- Cabling between the panels
- Onsite facility substation, to be confirmed (Eskom prefers a Twin-Tern Conductor ~379 MVA. Substation capacity - 2x 80 MVA, 132/33 kV substation ~ 50 x 70 m<sup>2</sup> - including Eskom metering site.) Potentially connecting to the Middelvlei 132kV Substation.
- Cabling from the onsite substation to the collector substation (either underground or overhead)
- Electrical and auxiliary equipment required at the collector substation that serves the solar energy facility, including switchyard/bay, control building, fences, etc.
- Battery Energy Storage System (BESS)
- Associated grid infrastructure
- Site and internal access roads (up to 8m wide)
- Temporary and permanent laydown area
- Operations Building of ~180 sqm

### Application Process Followed

(BA OR Scoping & EIA)

Scoping and EIA

### Other Authorisations Required

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
<b>SEMA's</b>				
National Environmental Management: Air Quality Act		X		X
National Environmental Management: Biodiversity Act		X		X
National Environmental Management: Integrated Coastal Management Act		X		X
National Environmental Management: Protected Areas Act		X		X
National Environmental Management: Waste Act		X		X
<b>National legislation</b>				
Mineral Petroleum Development Resources Act	X			X
National Water Act	X			X
National Heritage Resources Act		X		X
Others: Please specify				

Please provide proof of any authorisations obtained in terms of the above as **Annexure 6**.

**Property Description**

Description of the property/properties where activity is proposed to be undertaken:	The proposed site is located approximately 7km south-west of the town of Randfontein, Gauteng Province. Access to the project site is possible through the use of an existing site access road which is accessed via the main regional road, 8th Road, which runs west of the R28 between Randfontein and Westonaria.			
	The site is zoned for agriculture but is currently vacant, although it was farmed 20 years ago. The affected area has a strong urban character, interspersed with open space, and industrial activities particularly mining, and settlement. A middle / lower housing development (Montrose) is located next to the site.			
	The site is located near a number of existing Eskom and municipal substations. Although the point of connection for the facility needs to be confirmed, the nearby locality ensures that the power line will be relatively short, saving on costs and further reducing cumulative environmental impacts.			
	Solar PV	Portion 132 (a portion of portion 6) of the Farm Middelvlei 255 IQ		
	Property size(s)(ha) of all proposed sites	204.44ha		
	Property size(s) (m <sup>2</sup> ) of all proposed sites:	2044400m <sup>2</sup>		
	Development footprint size(s) in ha/m <sup>2</sup> :	+- 200ha / 2000000m <sup>2</sup>		
SG Digit code(s) of all proposed sites:	T0IQ0000000025500132			
Coordinates of all proposed sites:	Latitude (S)	26°	15'	7.99"S
	Longitude (E)	27°	38'	14.01"E

**Note:** Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system. Where numerous properties/sites are involved (e.g. linear activities), please attach a list of property descriptions separately.

**Physical/Street address of proposed sites:**

Portion 132 (a portion of portion 6) of the Farm Middelvlei 255 IQ

**Current Zoning of site(s)**

Agriculture

**Orientation Maps**

**Locality map:** A locality map must be attached to the application form as **Annexure 3**, as an Appendix. The scale of the locality map



	<p>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"> <li>• an accurate indication of the project site position as well as the positions of the alternative sites, if any;</li> <li>• road names or numbers of all the major roads as well as the roads that provide access to the site(s)</li> <li>• a north arrow;</li> <li>• a legend;</li> <li>• the prevailing wind direction; and</li> <li>• 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)</li> <li>• the locality map and all other maps which must be in colour;</li> <li>• locality map showing property boundaries and numbers within 100m of the site, and for poultry and/or piggery, locality map showing properties within 500m and prevailing or predominant wind direction;</li> <li>• the 1m contour intervals for gentle slopes must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan;</li> <li>• areas with indigenous vegetation (even if it is degraded or infested with alien species);</li> <li>• locality map must show exact position of development site or sites;</li> <li>• locality map showing and identifying (if applicable) public and access roads; and</li> <li>• the current land use as well as the land use zoning of each of the properties adjoining the site or sites.</li> </ul> <p>Note that separate maps can be used in the event it is not feasible have all the information on one map.</p>
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Should any activities in GN R. 985 be applied for, please provide a map indicating the triggering area (e.g. Critical Biodiversity Area, Protected Area, etc.) overlaid by the study area as **Annexure 4**.

### 3. ACTIVITY INFORMATION

#### Activity(s) Applied For

An application may be made for more than one listed or specified activity that, together, make up one development proposal. All the listed activities that make up this application must be listed below.

Indicate the number of the relevant Government Notice:	Activity No (s) (relevant notice): e.g. Listing notices 1, 2 or 3	Describe each listed activity as per the wording in the listing notices:
e.g. GN. R 983, 8 December 2014	1.(i)	the development of facilities or infrastructure for the generation of electricity from a renewable resource where – the electricity output is more than 10 megawatts but less than 20 megawatts
GN. R 983, December 2014	11(i)	<p>The development of facilities or infrastructure for the transmission and distribution of electricity –</p> <p>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275kV.</p> <p>Internal electrical infrastructure required to connect Middelvlei Solar to the National Grid includes – preferred infrastructure to be confirmed. (Eskom prefers: onsite facility substation, including a Twin-Tern Conductor ~379 MVA. Substation capacity - 2x 80 MVA, 132/33 kV substation ~ 50 x 70</p>





Indicate the number of the relevant Government Notice:

Activity No (s) (relevant notice): e.g. Listing notices 1, 2 or 3

Describe each listed activity as per the wording in the listing notices:

		m2 – including metering site).
GN. R 983, December 2014	24(ii)	The development of a road – (ii) with a reserve wider than 13.5m, or where no reserve exists where the road is wider than 8m.  The construction of Middelvlei Solar will require the construction of new access roads. These may exceed 8m in width .
GN. R 983, December 2014	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 1ha.  The total area to be developed (i.e., the development footprint) for Middelvlei Solar is greater than 1ha and occurs outside an urban area in an area currently zoned for agriculture.
GN. R 984, December 2014	1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20MW or more.  The project comprises a renewable energy generation facility, which will utilise solar power technology and will have a generation capacity of up to 120MW.
GN. R 984, December 2014	15	The clearance of an area of 20ha or more of indigenous vegetation.  The facility is located on agricultural land where the predominant land use is agriculture. The project will require the clearance of indigenous vegetation within an area in excess of 20ha for the development of infrastructure.
GN. R 985, December 2014	4(c)(vii)	The development of a road wider than 4 metres with a reserve less than 13.5 metres.  c. Gauteng  vii. Sites identified as high potential agricultural land in terms of Gauteng Agricultural Potential Atlas;  The development of Middelvlei Solar and associated infrastructures will require the development of roads wider than 4m within and area where the Agricultural Theme sensitivity is High for the project area, with land capability ranging from Medium to High.

Please note that any authorisation that may result from this application will only cover activities applied for.



## Sector Based Project Description

Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Green economy + “Green” and energy-saving industries		Greenfield transformation to urban or industrial form	<b>X</b>
Infrastructure – electricity (generation, transmission & distribution)	<b>X</b>	Biodiversity or sensitive area related activities	
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments	
Basic services (local government) – electricity and electrification		Boat building	
Basic services (local government) – area lighting		Manufacturing – automotive products and components, and medium and heavy commercial vehicles	
Infrastructure – transport (roads, land strips)		Manufacturing – plastics, pharmaceuticals and chemicals	
Basic services (local government access roads)		Manufacturing – clothing textiles, footwear and leather	
Basic services (local government) – public transport		Forestry, paper, pulp and furniture	
Infrastructure – water (bulk and reticulation)		Business process servicing	
Basic services (local government) – sanitation		Basic services (local government) – education	
Basic services (local government) – waste management		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) – housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

## 4. GUIDELINES

### 4.1 Gauteng Pollution Buffer Zones Guideline, March 2017

Where applicable, the developer must incorporate the Pollution Buffers in the planning and design of the development to protect people and the environment from harmful/toxic emissions. The decision on the buffer size to be maintained is subject to a Departmental review process. The buffers are as follows:

BUFFER GUIDELINES	TICK WHERE APPLICABLE
Best case buffer of 1500m and worst case buffer of 750m must be maintained in <u>Category 1 industries</u> , such as Sasol, Arcelor Mittal, Scaw Metal, Eskom power stations etc. as per paragraph 6.2.1 of the	



BUFFER GUIDELINES	TICK WHERE APPLICABLE
Gauteng Pollution Buffer Zones Guideline, March 2017.	
Best case buffer of 500m and worst case buffer of 250m must be maintained in <u>Category 2 industries</u> , such as container depot in City Deep, panel beater workshops, tanneries etc. as per paragraphs 6.2.2 and 7.1 of the Gauteng Pollution Buffer Zones Guidelines, March 2017.	
Best case buffer of 100m and worst case buffer of 50m must be maintained in <u>Category 3 industries</u> , such as warehousing and distribution operations as per paragraphs 6.2.3 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	
Best case buffer of 800m and worst case buffer of 500m must be maintained for <u>Sewage treatment works</u> as per paragraphs 6.2.4 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	
Landfill sites have the following Maximum Buffer sizes as per paragraphs 6.2.5 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017: <b>Class A is 2000m</b> <b>Class B is 1000m</b> ( <i>where Class B accepts hazardous waste, the buffer is 2000m</i> ) <b>Class C is 400m</b> <b>Class D is 200m</b>	
Best case buffer of 100m and worst case buffer of 0m must be maintained for <u>Mine Dumps</u> (rock dumps or stockpiles) as per paragraphs 6.2.6 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	
Best case buffer of 1000m and worst case buffer of 500m must be maintained for <u>Mine Slimes Dams and Ash Dumps</u> as per paragraphs 6.2.7 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	
Best case buffer of 5000m and worst case buffer of 2000m must be maintained for the <u>Pelindaba Nuclear Facility Complex</u> as per paragraphs 6.2.8 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	
<b>The Gauteng Pollution Buffer Zones Guideline is not applicable to my development.</b>	<b>X</b> to be confirmed

#### 4.2 Sustainable Development Guideline, April 2017

The applicant must incorporate the Sustainable Development Principles in their development planning activities as outlined in **Section 6 of the Gauteng Sustainable Development Guideline**. Provide details of how efficiencies will be achieved on the items listed below:

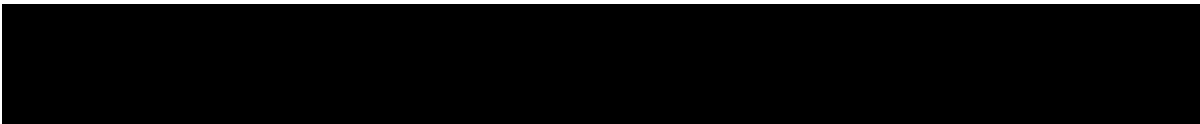
##### WATER

How will the proposed development achieve **water efficiency** such as reuse of grey water, rainwater harvesting and use of water efficient equipment/technologies throughout its phases?



- Most of the water required for the construction phase will be sourced from a new onsite borehole and stored in storage tanks.
- It is anticipated that the PV panels will be washed more than twice a year during operation using clean water with no cleaning products or using non-hazardous biodegradable cleaning products. The exact number of cleaning cycles will be confirmed once more knowledge on the soiling on site is acquired.
- Sewage due to the presence of maintenance personnel on-site will be produced during the operation phase. Septic Tanks will be used during the construction and operational phases whereby these septic tanks will be serviced by an appropriately licensed third party contractor and transported to municipal sewage treatment works.
- All staff will be informed and educated in order to implement water conservation measures.
- The use of water recycling and reuse using rainwater tanks and other technologies will be considered once the infrastructure has been developed.

**If not**, state the reasons why your development will not explore and achieve water efficiencies.

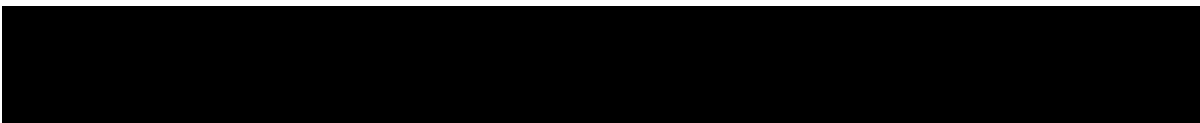


### ENERGY

What approaches will be adopted to achieve **energy efficiency** in the proposed development to reduce long-term operational costs and Greenhouse Gases emissions?

The facility is an energy generation facility using a renewable resource (i.e. solar).

**If not**, state the reasons why your development will not explore and achieve energy efficiencies.

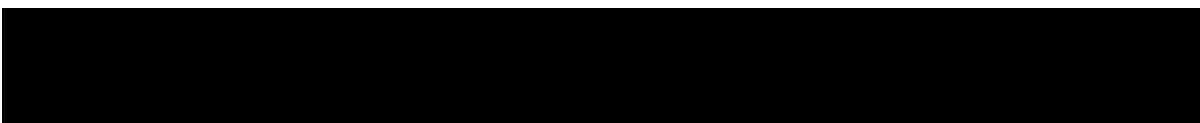


### WASTE

What approaches will be adopted to minimise quantities of waste generated and disposed of such as waste separation at source to enable reuse, reduction, recovery and recycling.

Standard methods for the avoidance / minimisation and / or recycling of waste have been considered and will be implemented through a waste management plan on site.

**If not**, state the reasons why your development will not explore and achieve waste reduction and separation at source.





### DESIGN/LAYOUT OF DEVELOPMENT

How will the design or layout of the development facilitate resource efficiency (i.e. orientation or location of development) through all phases?

The overall aim of the facility layout is to maximise electricity production through exposure to the solar resource, while minimising infrastructure, operation, and maintenance costs, and social and environmental impacts. The findings of the specialist assessments will assist the project developer in selecting the optimum position for the PV arrays and associated infrastructure including, but not limited to, access roads, and laydown areas.

**If not**, state the reasons why your development will not explore various layouts/designs to achieve resource efficiencies.

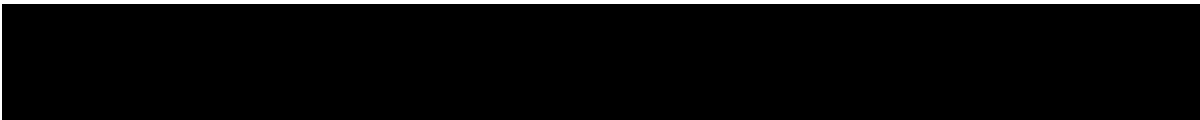


### MATERIALS

In which phase of the development will the use of virgin materials be substituted with recycled/reused materials to reduce costs and emission of GHG while promoting environmentally friendly developments?

Much of the above ground wire, steel, and PV panels of which the system is comprised are recyclable materials and would be recycled to the extent feasible following decommissioning of the facility.

**If not**, state the reasons why your development will not explore and achieve materials efficiencies.



### DRAINAGE

To facilitate rainwater infiltration and mitigate flooding, what form of Sustainable Drainage System Principles/Technologies will be undertaken in your development?

The main risks associated with inappropriate stormwater management are increased erosion risk and risks associated with flooding. Mitigation measures recommended in the specialist studies will assist in the development of a stormwater management plan and an erosion management plan which are closely linked to one another and can be managed together.

**If not**, state the reasons why your development will not explore innovative / technological approaches in the design of drainage system.





## Project Schedule

A project schedule, indicating the different phases and timelines of the project, must be attached as **Annexure 5**.

### 5. PUBLIC PARTICIPATION PROCESS

If public participation process and other aspects of EIA process had already been undertaken prior to submission of this application form to the competent authority, a summary of public participation processes and steps followed to date must be described in the table below.

Announcement of the EIA process and the availability of the Scoping Report for a 30-day review and comment period, including details on how to access the Scoping Report via the online stakeholder engagement platform, in one local newspaper:  » Die Randfontein/ Westonia Herald (English advertisement)	<b>28 March 2023</b>
Distribution of the BID, process notification letters and stakeholder reply form announcing the EIA process and inviting I&APs to register on the project database.  The BID and electronic reply form was also made available on the online stakeholder engagement platform.	<b>28 March 2023</b>
Placement of site notices at the project site.	<b>28 March 2023</b>
Distribution of notification letters announcing the availability of the Scoping Report for a 30-day review and comment period. These letters were distributed to Organs of State, Government Departments, Ward Councillors, landowners within the surrounding area (including neighbouring landowners), registered I&APs and key stakeholder groups.	<b>28 March 2023</b>
30-day review and comment period of the Scoping Report.	<b>28 March 2023 to 02 May 2023</b>

### 6. SOCIO-ECONOMIC VALUES

Provide details on the anticipated socio-economic values associated with the proposed project



Anticipated CAPEX of the project on completion  
 What is the expected capital value of the activity on completion?  
 What is the expected yearly income that will be generated by or as a result of the activity?  
 Will the activity contribute to service infrastructure?  
 Will the activity contribute to a public amenity?

+R1.2 Billion	
TBA	
YES	NO
	NO
+90	
TBA	

Total number of new employment opportunities to be created in the **construction phase** of this activity.

**Of these opportunities how many are:**

Women

**People with disabilities**

Female

Male

**Youth**

Female

Male

What is the expected value of the employment opportunities during the construction phase?

What percentage of this will accrue to previously disadvantaged individuals?

How many new skilled employment opportunities created in the construction phase of the project?

How many new un-skilled employment opportunities created in the construction phase of the project?

TBA
TBA
TBA
TBA
TBA
TBA
TBA

Total number of new employment opportunities to be created in the **operational phase** of this activity.

**Of these opportunities how many are:**

Women

**People with disabilities**

Male

**Youth**

Female

Male

What is the expected current value of the employment opportunities during the first 10 years?

What percentage of this will accrue to previously disadvantaged individuals?

How many new skilled employment opportunities created in the operational phase of the project?

How many un-skilled employment opportunities created in the operational phase of the project?

TBA
TBA
TBA
TBA
TBA
TBA
TBA
TBA
TBA

**Need and desirability of the activity**

Motivate and explain the need and desirability of the activity (including demand for the activity):

The Solar PV Energy Facility, associated Substation, BESS and associated infrastructure will be constructed and all associated benefits such as green energy, job creation and economic development in the area will be realised. The Middelvlei Solar development is proposed in response to the identified objectives of the national and provincial government and local and district municipalities to develop renewable energy facilities for power generation purposes. This will aid in the diversification and stabilisation of the country's electricity supply, in line with the objectives of the Integrated Resource Plan (IRP), with Middelvlei Solar set to generate up to 120MW of clean renewable energy.

Indicate any benefits that the activity will have for society in general:



Some benefits are listed below:

- Job creation/ employment opportunities will be created during the construction and operational phases;
- Effective use of natural resources and sustainable development;
- Procurement of goods and services –The project will necessitate procurement of goods and services, many of which could be sourced from local companies, Small, Medium and Micro Enterprises (SMMEs) or entrepreneurs, thereby enhancing the socio-economic benefits associated with the project’s construction phase.
- The project aligns with the Integrated Resources Plan (IRP) 2010 –2030 of 2019. The proposed solar PV power plant will assist in addressing the growing need for increased electricity supply and cleaner energy production in South Africa

Indicate any benefits that the activity will have for the local communities where the activity will be located:

As above:

- Potential poverty reduction through economic diversification;
- Job creation/ employment opportunities will be created during the construction and operational phases;
- Creation of opportunities for local youth to be educated in environmental issues;
- Procurement of goods and services –The project will necessitate procurement of goods and services, many of which could be sourced from local companies, Small, Medium and Micro Enterprises (SMMEs) or entrepreneurs, thereby enhancing the socio-economic benefits associated with the project’s construction phase.
- 

## 7. LIST OF ANNEXURES

		YES	N/A
Annexure 1	Proof of payment of a fee for this application	X	
Annexure 2	Proof and a motivation for exclusions from paying a fee		X
Annexure 3	Locality map	X	
Annexure 4	Geographical area map triggering a listed	X	
Annexure 5	Project schedule	X	
Annexure 6	Proof by way of copies of Environmental Authorisations obtained for the same property or submission of such applications		X
Addendum 1	Consent use of land form	X	
Addendum 2	Declaration by the applicant	X	
Addendum 3	Declaration by the environmental assessment practitioner	X	





**GAUTENG PROVINCE**  
AGRICULTURE AND RURAL DEVELOPMENT  
REPUBLIC OF SOUTH AFRICA

## **APPLICATION**

Application Form for Environmental Authorisation in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014 (Version 1/2022)

### **ADDENDUM 1**

**Attached**



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### **ADDENDUM 2**

**Attached**



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REPUBLIC OF SOUTH AFRICA

## **APPLICATION**

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### **ADDENDUM 3**

**Attached**



**11. LIST OF ANNEXURES**

		YES	N/A
Annexure 1	Proof of payment of a fee for this application	<b>X</b>	
Annexure 2	Proof and a motivation for exclusions from paying a fee		<b>X</b>
Addendum 1	Consent use of land form	<b>X</b>	
Addendum 2	Declaration by the applicant	<b>X</b>	
Addendum 3	Declaration by the environmental assessment practitioner	<b>X</b>	