



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION

Application for amendment to a valid Environmental 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

Part 2 Amendment of the proposed Vanrhynsdorp Solar Photovoltaic (PV) 5 MW Facility on Remainder of Portion 7 of the Farm De Duinen no. 258, near Vanrhynsdorp within Matzikama Local Municipality in the Western Cape Province (DFFE Reference: 14/12/16/3/3/1/1854/AM1)

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

Yes
No

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held		No	X
Date of the pre-application meeting			
Reference number of pre-application meeting held			
Was minutes compiled and submitted to the Department for approval		No	X

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

Kindly note the following:

- This form must be used to apply for the Amendment of an Environmental Authorisation where this Department is the Competent Authority. An amendment includes:
 - adding, substituting, removing or changing a condition or requirement of an Environmental Authorisation, or
 - updating or changing any details or correcting a technical error.
- This form is current as of **April 2021**. 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>.
- 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.
- 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.
- An electronic copy of the signed application form must be submitted of both the Applicant and EAP.
- This form must be marked "**for Attention: Chief Director: Integrated Environmental Authorisations**" and submitted to the Department at the format as prescribed in the process to upload documents form.
- 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).

8. Where applicable black out the boxes that are not applicable in the form.
9. 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.
10. 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.
11. 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.
12. Please note that this form must be copied to the relevant Provincial Environmental Department(s).
13. Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form.
14. An application for Amendment of the Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

Departmental Details

Online Submission:

EIAapplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to submitted to this Department

Postal address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
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:	Department of Environmental Affairs (National)
Reason(s) in terms of S24C of NEMA:	The environmental authorisation was issued by the National department in 2017, for the generation of 5 MW electricity through PV solar panels and to supply the generated electricity to the national grid.

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 3** of this application form.

Proof of payment attached	Yes	<input checked="" type="checkbox"/>
Payment Reference Number	-31.579451/18.746365	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014	<input checked="" type="checkbox"/>	No

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	<input checked="" type="checkbox"/>
The applicant is an organ of state	<input checked="" type="checkbox"/>

FEE AMOUNT	Fee
Application for an Amendment of an Environmental Authorisation	R2 000

Department of Department of Forestry, Fisheries and the Environment 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 in which the EA was issued to	Roma Energy Vanrhynsdorp (Pty) Ltd		
Name of the Applicant:	Mr Cornelius Weyers Janse van Rensburg		
RSA Identity/ Passport Number:	7301275062086		
Name of contact person for applicant (if other):			
RSA Identity/ Passport Number:			
Responsible position, e.g. Director, CEO, etc.:	Company representative		
Company/ Trading name (if any):	Roma Energy Vanrhynsdorp Pty (Ltd.)		
Company Registration Number:	2012/203878/07		
BBBEE status:	Small medium Enterprise. Level 4		
Physical address:	7 Pin Oak, Welgevonden, Stellenbosch, Western Cape, 7600		
Postal address:	7 Pin Oak, Welgevonden, Stellenbosch, Western Cape		
Postal code:	7600	Cell:	082 631 7496
Telephone:	021 853 0269	Fax:	
E-mail:	weyers@kernenergy		

Name of the landowner:	Schade Boerdery (Pty) Ltd		
Name of contact person for landowner (if other):	Frederick Johannes Schade		
Postal address:	De Duine Farm, Vanrhynsdorp		
Postal code:	8170	Cell:	
Telephone:	082 467 0218	Fax:	
E-mail:	fritzs@absa.africa		

Name of Person in control of the land:	Same as Landowner		
Name of contact person for person in control of the land:			
Postal address:			
Postal code:		Cell:	
Telephone:		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 4**.

Certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form

Provincial Environmental Authority:	Department of Environmental Affairs and Development Planning, West Coast District (Region 1)		
Name of contact person:	Ms M. Schippers		
Postal address:	Private Bag X 9086		
Postal code:	8000	Cell:	
Telephone:	021 483 8349	Fax:	
E-mail:	enquiries.eadp@westerncape.gov.za		

Local Municipality:	Matzikama Local Municipality		
Name of contact person in (Environmental Section)	Mr B. Smit		
Postal address:	PO Box 98, Vredendal		
Postal code:	8160	Cell:	
Telephone:	027 201 3300	Fax:	
E-mail:	bsmit@matzikamamun.co.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.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	EnviroAfrica CC		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)		Percentage Procurement recognition
EAP name:	Jan-Taljaard Marx Bernard de Witt		
EAP Qualifications:	Jan-Taljaard Marx: B.Sc. Conservation Ecology (Stellenbosch University); M.Sc. Botany (Stellenbosch University) Bernard de Witt: B.Sc. Forestry (Stellenbosch); B.A. (Hons) Public Administration (Stellenbosch); National Diploma in Parks and Recreation Management; EIA Short course (UCT); ISO 14001 Auditors course (SABS)		
Professional affiliation/registration:	Jan-Taljaard Marx: EAPASA ref: 2021/3289 Bernard de Witt: EAPASA ref: 2021/3903		
Physical address:	Unit 7, Pastoria Park, Reitz Street, Somerset West, 7130		
Postal address:	PO Box 5367, Helderberg		
Postal code:	7135	Cell:	079 809 3033
Telephone:	021 851 1616	Fax:	
E-mail:	jan@enviroafrica.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

If appointed, 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 5

5. DETAILS OF IMPLEMENTATION OF PREVIOUS ENVIRONMENTAL AUTHORISATION

Reference Number of EA:	14/12/16/3/3/1/1854/AM1
Date EA issued:	19/10/2022
Reference Number of all amendments issued with its respective dates:	
Date EA expires: N.B. Regulation 28(1)(A) of the EIA Regulations 2014, as amended states that <i>“The competent authority shall not accept or process an application for amendment of an environmental authorisation if such environmental authorisation is not valid on the day of receipt of such amendment application...”</i>	19/10/2027

Was the activity commenced with during the validity period of the environmental authorisation? If yes, please describe the implementation of the previous environmental authorisation to date:	<input type="checkbox"/>	NO
The Vanrhynsdorp Solar Photovoltaic (PV) facility project has not commenced with construction. The current environmental authorisation is still valid.		

6. AMENDMENTS APPLIED FOR AND RELATED INFORMATION

Please indicate if the amendment being applied for falls within the ambits of a Part 1 of Part 2 amendment, as outlined in Chapter 5 of the EIA Regulations, 2014 as amended.

Part 1	Part 2
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please note, that whilst this has been indicated, the Department will when acknowledging receipt agree or disagree with the amendment being applied for, and the process to be followed must be that as outlined in the official acknowledgement letter.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	<input type="checkbox"/>	NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	<input type="checkbox"/>	NO
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	<input type="checkbox"/>
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP	<input type="checkbox"/>	NO

If **YES**, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
- For a SIP project, kindly indicate which SIPs are applicable in **Appendix 5 and attach the** confirmation of SIP applications from the relevant sector representative in **Appendix 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

Please indicate which of the following is relevant:

6.1. The holder of an environmental authorisation may at any time apply to the relevant Competent Authority for the amendment of the authorisation if:

(a) there is a material change in the circumstances which existed at the time of the granting of the environmental authorisation;	<input type="checkbox"/>	NO
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(b) there has been a change of ownership in the property and transfer of rights and obligations must be provided for; or		NO
(c) any detail contained in the environmental authorisation must be amended, added, substituted, corrected, removed or updated.	YES	

Describe the amendments that are being applied for:

The amendment application for the Vanrhynsdorp Solar PV Facility environmental authorisation include the following:

Amendment 1: Change of Listed Activities GN R.983 Activity 1 Activity/Project description

Page 3 of the EA Listed Activities GN R.983 Activity 1 Activity/Project description stated as:
A solar photovoltaic array with an electricity output of less than 10MW and a footprint greater than 1ha but not exceeding 20ha will be developed. The development will supply 5MW of electricity to the national grid (actual grid electricity capacity) but has nameplate capacity of 5.75 MW.

Is requested to be amended to:
A solar photovoltaic array with an electricity output of less than 10MW and a footprint greater than 1ha but not exceeding 20ha will be developed. The development will supply 10 MW of electricity to the hydrogen plant and hydrogen plant and/or other possible clients, bidders, municipalities and the national grid.

Amendment 2: Change of the description

Page 4 of the EA stated as:
The project entails the establishment of an array of crystalline solar photovoltaic (PV) modules, together with associated infrastructure for the generation of 5MW of electricity. The total development footprint including other infrastructure will occupy more than 10ha, but less than 20ha. The proposed development will comprise of 18540 array of poly-crystalline solar PV modules grouped into tables or panels of 20 modules each. The PV tables will be raised approximately 500mm above ground level and will have single axis tracking systems allowing the generation of approximately 5MW which will be evacuation to the national electricity grid.

Is requested to be amended to:
The project entails the establishment of an array of crystalline solar photovoltaic (PV) modules, together with associated infrastructure for the generation of 10MW of electricity. The total development footprint including other infrastructure will occupy more than 10ha, but less than 20ha. The proposed development will comprise of adequate amount of poly-crystalline solar PV modules grouped into various tables or panels, that cover an area less than 20 ha, that can generate a maximum of 10 MW electricity. The PV tables will be raised approximately 500mm above ground level and will have single axis tracking systems allowing the generation of approximately 10MW which will be evacuation to the hydrogen plant and/or other possible clients, bidders, municipalities and the national grid .

Amendment 3 Change of the PV Facility will comprise description.

Page 4 of the EA stated as:
Solar arrays which would generate approximately 5MW and cover an area of 10ha (within the total 20ha site);

20ha demarcated footprint, surrounded by a perimeter fire access road and fence;
 Fenced construction staging area (within the 20ha total site area);
 A 3m X 6m maintenance shed (within the 20ha total site area);
Three inverter-transformer stations on concrete pads (which form part of the 10ha footprint of the actual solar array);
 A switch panel for connection to the power grid; and
 An office with septic tank ablutions (footprint of approximate 450m²)

Is requested to be amended to:

Solar arrays which would generate approximately 10MW and cover an area of less than 20ha (within the total 20ha site);
 20ha demarcated footprint, surrounded by a perimeter fire access road and fence;
 Fenced construction staging area (within the 20ha total site area);
 A 3m X 6m maintenance shed (within the 20ha total site area);
Six inverter-transformer stations on concrete pads (which form part of the less than 20ha footprint of the actual solar array);
 A switch panel for connection for the hydrogen plant and/or other possible clients, bidders, municipalities and the national grid as required;
 An office with septic tank ablutions (footprint of approximate 450m²)
A reservoir with a storage capacity of less 250 m³; and
An electrolysis hydrogen plant.

Please provide the reasons and/or a motivation for the application for amendment:

Reasons/ motivation for amendment 1: Change of Listed Activities GN R.983 Activity 1 Activity/Project description
 Generating a greater amount of electricity will reduce the overall production cost thereof and enable the solar plant facility to provide power for the hydrogen plant that requires a minimum 5 MW to remain operational. The greater generation capacity (10 MW) will enable the hydrogen plant to remain functional in unfavourable solar conditions.

Reasons/motivation for Amendment 2: Change of the description
 Generating a greater amount of electricity will reduce the overall production cost thereof and enable the solar plant facility to provide power for the hydrogen plant that requires a minimum 5 MW to remain operational. The greater generation capacity (10 MW) will enable the hydrogen plant to remain functional in unfavourable solar conditions. The surplus energy can then also be supplied to other possible clients, bidders, municipalities and the national grid to alleviate the energy crisis.

Reasons/motivation amendment 3 Change of the PV Facility will comprise description.
 Generating a greater amount of electricity will reduce the overall production cost thereof and enable the solar plant facility to provide power for the hydrogen plant that requires a minimum 5 MW to remain operational. The greater generation capacity (10 MW) will enable the hydrogen plant to remain functional in unfavourable solar conditions. The surplus energy can then also be supplied to other possible clients, bidders, municipalities and the national grid to alleviate the energy crisis. To generate 10 MW electricity more PV panels will be required which will cover a larger portion of land. To handle the greater generation capacity, additional inverter-transformer stations will be required. The switch panel will have to be able to transfer the power as required by the hydrogen plant or other potential sources.

General motivations for amendments

A larger portion of the development footprint can then be used for renewable electricity generation. The proponent intends to utilise part of the electricity generated to power various facilities on the PV solar plant premises, including a hydrogen plant. This will reduce Roma energy holdings electricity demand from Eskom. Currently South Africa is also prone to loadshedding events, which can reduce the overall plant's efficiency and effective operational periods. By generating and utilising its own electricity the plant will not be dependent on Eskom. The applicant frequently attempted since the initial environmental authorisation dated 2012 (Appendix 2B), to obtain permission from the relevant authority to supply electricity to a substation (the National grid) near Vanrhynsdorp. The respective application is still pending and hence the applicant had to consider alternative options. The client intends to establish a hydrogen plant that is powered by the PV Solar panels as an alternative to generate revenue and to enable utilisation of the current EA. During the period that the current EA was authorised the landowners also changed. The initial 2012 EA (Appendix 2B) was also approved to generate a maximum of 10 MW electricity

Should the amendment being requested result due to **6.1 (b)** above, you are required to furnish the Department with a written undertaking that the new holder of the environmental authorisation is willing and able to assume responsibility of the environmental authorisation issued. Provide a short motivation and explanation below:

Not Applicable. The holder of the Environmental Authorisation will remain the same. The EA holder had an agreement with the previous landowner as well as with the current new landowner (Appendix 4).

7. ENVIRONMENTAL IMPACTS

Describe any negative environmental impacts that may occur if the application for amendment is granted, amongst others information on any increases in air emissions, waste generation, discharges to water and impacts of the natural or cultural environment must be included.

The impact of the project will remain similar as described in the 2017 and 2012 Environmental Authorisation (See Appendix 2A and appendix 2B). The proposed 10 MW plant will not cover an area greater than 20 ha. A larger area will be covered with solar panels and more construction waste will be generated. This will increase the visual impact of the development and larger portion of land will be cleared. The specialist studies found that the impacts and cumulative impacts of the proposed amendment is low.

Describe any negative environmental impacts that may occur if the application for amendment is not granted.

The impact of the project will remain similar as described in the 2017 and 2012 Environmental Authorisation (See Appendix 2A and appendix 2B). The proposed 10 MW plant will not cover an area greater than 20 ha. There will be negative social-economic impacts. A large portion of the footprint will be absolute and cannot contribute to electricity generation and hydrogen production. Currently electricity is a scarce resource and is a national priority.

Describe any positive environmental impacts that may occur if the application for amendment is granted, amongst others information on any reduction in the ecological footprint, air emissions, waste generation and discharges to water must be included.

The impact of the project will remain similar as described in the 2017 and 2012 Environmental Authorisation (See Appendix 2A and appendix 2B). The proposed 10 MW plant will not cover an area greater than 20 ha. The proposed amendment will promote renewable energy generation in the region and will be able to supply electricity various sources. Which can reduce the utilisation of non-renewable energy sources, leading to less air emissions in the region.

8. AUTHORISATION FROM OTHER GOVERNMENT DEPARTMENTS

Are any permission, licenses or other authorisations required from any other departments before the requested amendments can be effected?	NO
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If yes, please complete the table below.

Name of department and contact person	Authorisation required	Authorisation applied for (Yes/ No)
N/A	N/A	N/A

9. RIGHTS OR INTERESTS OF OTHER PARTIES

In your opinion, will this proposed amendment adversely affect the rights and interests of other parties?	NO
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Please provide a detailed motivation of your opinion.

The proposed amendment will not adversely affect the rights and interests of other parties, as the proposed amendment is to change the PV solar plant accordingly to generate 10 MW electricity within the approved 20 ha footprint. The amendment further entails changing the EA electricity output maximum from 5 MW to 10 MW, while keeping the development footprint within the 20 ha footprint. The amendment impacts according to the specialist is low.

NOTE: The Department is entitled to request further information if it believes it is necessary for the consideration of the application. If the application is for a substantive amendment or if the rights or interests of other parties are likely to be adversely affected, the Department will instruct the applicant to conduct a public participation process and to conduct any investigations and assessments that it deems necessary.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes		NO
APPENDIX 2	Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto or original commissioned Affidavit/Affirmation under oath	YES	
APPENDIX 3	Proof of Payment / Motivation for exclusion	YES	
APPENDIX 4	List of land owners (with contact details) and land owners consent	YES	
APPENDIX 5	Strategic Infrastructure Projects		NO
APPENDIX 6	Declaration of independence of the EAP and undertaking under oath or affirmation, if appointed	YES	

11. DECLARATION

I, Cornelius Weyers Janse van Rensburg, declare that I will comply with all my legal obligations in terms of this application and provide accurate information to everyone concerned in respect to this application.



Signature of the Applicant:

Roma Energy Vanrhynsdorp Pty (Ltd.)

Name of Company or Organisation:

21 July 2023

Date:

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

N/A

**APPENDIX 2
CERTIFIED COPY/IES OF THE ENVIRONMENTAL AUTHORISATION AND ALL SUBSEQUENT AMENDMENTS
THERE TO OR ORIGINAL COMMISSIONED AFFIDAVIT/AFFIRMATION UNDER OATH**

**Appendix 2A – 2017 Environmental Authorisation
Appendix 2B – 2012 Environmental Authorisation**

**APPENDIX 3
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

APPENDIX 4
LIST OF LAND OWNERS AND LAND OWNERS CONSENT

Name of the landowner:	Schade Boerdery (Pty) Ltd		
Name of contact person for landowner (if other):	Frederick Johannes Schade		
Postal address:	De Duine Farm, Vanrhynsdorp		
Postal code:	8170	Cell:	
Telephone:	082 467 0218	Fax:	
E-mail:	fritzs@absa.africa		

**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>

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.

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.

SIP 19: Water and Sanitation

- a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng
- b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo
- c. uMkhomazi Water Project: KwaZulu Natal
- d. Olifants River Water Resource Development Project - Phase 2: Limpopo
- e. Vaal-Gamagara: Northern Cape
- f. Mzimvubu Water Project: Eastern Cape
- g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape & North West
- h. Groot Letaba River Water Development Project - Nwamitwa Dam: Limpopo
- i. Berg River Voëlvele Augmentation Scheme: Western Cape
- j. Rustfontein Water Treatment Works: Free State
- k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State

SIP 20: Energy

- a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National
- b. Small IPP Power Purchase Procurement Programme (100MW): National
- c. Embedded Generation Investment Programme (EGIP)-400MW: National

SIP 21: Transport

- a. N1 Windburg Interchange to Windburg Station: Free State
- b. N1 Musina Ring Road: Limpopo
- c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo
- d. N1 Ventersburg to Kroonstad: Free State (2 projects in One)
- e. N2 Mtunzini Toll Plaza to Empangeni T-Junction: KwaZulu Natal
- f. N3 Cato Ridge to Dardanelles: KwaZulu Natal
- g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal
- h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal
- i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal
- j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal
- k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal
- l. N2 EB Cloete Interchange: KwaZulu Natal
- m. Small Harbours Development: National
- n. N3 New alignment via De Beers Pass: Free State
- o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape

SIP 22: Digital Infrastructure

- a. National Spatial Infrastructure Hub

SIP 23: Agriculture and Agro-processing

- a. Marine Tilapia Industry: Eastern Cape
- b. Natural Dehydrated Foods: Mpumalanga

SIP 24: Human Settlements

- a. Greater Cornubia: KwaZulu-Natal
- b. Vista Park II & III: Free State

c. Lufhereng: Gauteng
d. Malibongwe Ridge: Gauteng
e. N2 Nodal Development: Eastern Cape
f. Matlosana N12 West: North West
g. Green Creek: Gauteng
h. Mooikloof Mega Residential City: Gauteng
i. Fochville Extension 11: Gauteng
j. Germiston Ext 4 Social Housing Project: Gauteng
k. Newcastle Hospital Street Social Housing Project: KwaZulu Natal
l. Hull Street Social Housing Project Phase 1: Northern Cape
m. Kwandokuhle Social Housing Project: Mpumalanga
n. Phola Heights - Tembisa Social Housing Project: Gauteng
o. Sondela Phase 2: Gauteng
p. Willow Creek Estate: Mpumalanga
q. Joe's Place Social Housing: Gauteng
r. Jeppetown Social Housing Project (Unity House): Gauteng
SIP 25: Rural Bridges "Welisizwe" Programme
SIP 26: Rural Roads Upgrade Programme
SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme
SIP 28: PV and Water Savings on Government Buildings Programme
SIP 29: Comprehensive Urban Management Programme
SIP 30: Digitising of Government Information Programme
SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme
SIP 32: National Upgrading Support Programme (NUSP)
SIP 33: Solar Water Initiatives Programme
SIP 34: Student Accommodation
SIP 35: SA Connect Phase 1B Programme
SIP 36: Salvokop Precinct

PLEASE ATTACH PROOF FROM THE RELEVANT SIP CO-ORDINATOR FOR EACH OF THE SIP PROJECT SELECTED.

**APPENDIX 6
DECLARATION OF THE EAP**

I, Jan-Taljaard Marx, 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 14 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;



Signature of the environmental assessment practitioner

EnviroAfrica

Name of company:

21 July 2023

Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, Jan-Taljaard Marx, 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

EnviroAfrica

Name of company

21 July 2023

Date



**COMMISSIONER OF OATHS
JACQUES ENGELBRECHT
Professional Accountant (S.A.)
P.O. Box 12347, Die Boord, 7613
021 851 0700**

Signature of the commissioner of oaths

21 July 2023

Date