

Our Ref: HM/WEST COAST /MATZIKAMA/VANRHYNSDORP/
PORTION 7 OF FARM DUINEN 258
Case No.: HWC23012506CM0126
Enquiries: Cecilene Muller
E-mail: Cecilene.Muller@westerncape.gov.za
Tel: 021 483 5959



Applicant: Mr. Weyers Janse van Rensburg
Email: weyers@kerenenergy.com

RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: NO FURTHER STUDIES REQUIRED
In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

NOTIFICATION OF INTENT TO DEVELOP: PROPOSED HYDROGEN PLANT ON PORTION 7, FARM DUINEN 258, VANRHYNSDORP, MATZIKAMA, WEST COAST, IN TERMS OF SECTION 38(1) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

Heritage Western Cape is in receipt of the above matter. This matter was discussed at the Heritage Officers Meeting held on 6th of February 2023.

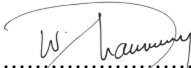
You are hereby notified that, since there is no reason to believe that the proposed Hydrogen plant on portion 7 of farm Duinen 258, Vanrhynsdorp off the N7, Matzikama local municipality, West Coast, Western Cape Province will not negatively impact on heritage resource, no further action under Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) is required.

However, should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities above, all works must be stopped immediately, and Heritage Western Cape must be notified without delay.

This letter does not exonerate the applicant from obtaining any necessary approval from any other applicable statutory authority.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.


.....
Waseefa Dhansay
Assistant Director: Professional Services



www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • **Postal Address:** P.O. Box 1665, Cape Town, 8000
• **Tel:** +27 (0)21 483 5959 • **E-mail:** ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • **Posadres:** Posbus 1665, Kaapstad, 8000
• **Tel:** +27 (0)21 483 5959 • **E-pos:** ceoheritage@westerncape.gov.za

Idilesi yendawo: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, eKapa, 8000 • **Idilesi yeposi:** Inombolo yebhokisi yeposi 1665, eKapa, 8000 • **Iinombolo zomnxeba:** +27 (0)21 483 5959 • **Idilesi ye-imeyile:** ceoheritage@westerncape.gov.za

**APPLICATION FORM
NOTIFICATION OF INTENT TO DEVELOP (NID)
SECTION 38 (1) AND SECTION 38 (8)**

Heritage Western Cape Reference No:

To be completed by the applicant

Completion of this form is required by Heritage Western Cape for the initiation of all impact assessment processes under Section 38 (1) & (8) of the National Heritage Resources Act (NHRA)

As per Section 38 (1) (e) of the NHRA, submission of the NID must be initiated at the earliest stage of development. Should the development trigger any other legislation, practitioners may submit the NID without formal submission to other statutory bodies in order to comply with the NHRA.

This form is to be read in conjunction with the HWC Notification of Intent to Develop, Heritage Impact Assessment, (Pre-Application) Basic Assessment Reports, Scoping Reports and Environmental Impact Assessments, Guidelines for Submission to HWC

Whilst it is not a requirement, it may expedite processes and in particular avoid calls for additional information if certain of the information required in this form is provided by a heritage specialist/s with the necessary qualifications, skills and experience. All sections of the form must be completed in order to deem the application to be complete.

Making an incorrect statement or providing incorrect information may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.

The following information is to be included upon submission to HWC:

1. Proof of payment with correct reference number
2. Completed and signed application form – the application form must be completed in full in order to be considered
3. Power of Attorney
4. Locality Map
5. Images of the site and its context
6. Additional information pertaining to the heritage of the site

Application and associated documentation to be emailed to ceoheritage@westerncape.gov.za

A. APPLICABILITY OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA)

Department of Environmental Affairs Development Planning (Western Cape); Department of Mineral Resources (National); Department of Environmental Affairs (National);
Reference Number (if applicable):

Please tick the applicable section:

This application is made in terms of Section 38(8) of the NHRA and an application under NEMA has been made to the following authority: **Department of Environment Affairs and Development Planning (DEADP)**

This development will not require a NEMA application.

B. BASIC DETAILS**PROPERTY DETAILS:**

Name of property: Proposed Hydrogen Plant on the Farm Duinen No. 258/7, Vanrhynsdorp	
Street address or location (eg: off R44): Off the N7, near Vanrhynsdorp (Figures 1-4)	
Erf or farm number/s: Duinen 258/7	Coordinates: S 31°34'50.96" E 18°44'53.00" (A logical centre point. Format based on WGS84.)
Town or District: Vanrhynsdorp	Municipality: Matzikama Local Municipality
Extent of property: 708ha, but the application area for the proposed hydrogen plant is less than 1.0ha in extent	Current use: Currently vacant (refer to Figures 8-14), although the Roma Energy PV Plant, has already been approved on the subject property (refer to Figures 5 & 6)
Predominant land use/s of surrounding properties: Agriculture, and vacant agricultural land	

REGISTERED OWNER OF PROPERTY:

Name and Surname: Frederick Johannes Schade (Schade Boerdery (Pty) Ltd (Reg nr: 2022/429916/07))		
Address De Duine Farm, Vanrhynsdorp		
Telephone 082 467 0218	Cell	E-mail fritzs@absa.africa
APPLICANT/ AUTHORISED AGENT: Roma Energy Vanrhynsdorp (Pty) Ltd		
Name and Surname : Mr Weyers Janse van Rensburg		
Address: PO Box 73, Somerset Mall, 7137		
Telephone	Cell 082 631 7496	E-mail weyers@kerenenergy.com

By the submission of this form and all material submitted in support of this notification (ie: 'the material'), all applicant parties acknowledge that they are aware that the material and/or parts thereof will be put to the following uses and consent to such use being made: filing as a public record; presentations to committees, etc; inclusion in databases; inclusion on and downloading from websites; distribution to committee members and other stakeholders and any other use required in terms of powers, functions, duties and responsibilities allocated to Heritage Western Cape under the terms of the National Heritage Resources Act. Should restrictions on such use apply or if it is not possible to copy or lift information from any part of the digital version of the material, the material will be returned unprocessed. All sections of the form have been completed.

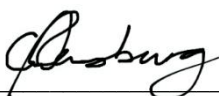
Signature of Owner:

Date:

Should the owner not be able to sign, the applicants/ agents must attach copy of power of attorney to this form.

Signature of Applicant/ Authorised Agent:

Date: 18 January 2023



Applicants/ agents must attach copy of power of attorney to this form.

C. DEVELOPMENT DETAILS:

Please indicate below which of the following Sections of the National Heritage Resources Act, or other legislation has triggered the need for notification of intent to develop.

<input type="checkbox"/> S38(1)(a) Construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	S38(1)(c) Any development or activity that will change the character of a site -
<input type="checkbox"/> S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	<input type="checkbox"/> (i) exceeding 5 000m ² in extent;
<input checked="" type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m ² in extent.	<input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof;
<p>Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details:</p> <p>NEMA</p> <p><input checked="" type="checkbox"/> Amendment of an Environmental Authorisation in terms of Part 2 of Chapter 5 of the Environmental Impact Assessment Regulations, 2014 (i.e., Regulation 31).</p>	<input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.
	<p>If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:</p> <p>The proposed development will change the character of the site.</p> <p>Note: the proposed Roma Energy PV plant on the Farm Duinen 258/7 has already been approved.</p>

If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: **Department of Environment Affairs and Development Planning (DEADP)**

Present phase at which the process with that authority stands: **Initiation of the project, but a Basic Assessment (BA) process will be followed in the application. Enviroafrica is the appointed Environmental Assessment Practitioner (EAP) responsible for facilitating environmental authorisation for the proposed development**

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts:

The proposed development entails construction of a 10MW Hydrogen plant and a 10MW Module array PV installation on the Farm Duinen 258/7, near Vanrhynsdorp. The proposed Hydrogen plant will be built alongside the already approved Roma Energy PV Plant, within the approved footprint area (refer to Figure 6).

The site will accommodate support infrastructure such as a site office, switching gear and internal roads. The site will be secured with a fence and the facility will be connected to the nations grid with a grid connection line. The combined Solar PV and Hydrogen energy farm will occupy a footprint of approximately 20ha

A Site Layout Plan is presented in Figure 7.

NB: A HIA for the proposed Roma Energy Solar PV Plant on the Farm Duinen 258/7 was conducted by ACRM in 2012 (Kaplan 2012 & attached). No mitigation was recommended, and the recommendations were supported by HWC (Case No. 124019)

A PIA for the proposed Solar PV Plant was also conducted by Natura Viva (John Pether 2012 & attached)

A VIA has also been conducted (attached)

Estimated value cost of the project in South African Rands: R _____

D. ANTICIPATED IMPACTS ON HERITAGE RESOURCES

Section 3 of the National Heritage Resources Act sets out the following categories of heritage resource as forming part of the national estate. Please indicate the known presence of any of these by checking the box alongside and then providing a description of each occurrence, including nature, location, size, type

Failure to provide sufficient detail or to anticipate the likely presence of heritage resources on the site may lead to a request for more detailed specialist information.

Provide a short history of the site and its environs (Include sources where available):

Vacant agricultural land for many years.

Please indicate which heritage resources exist on the site and in its environs, describe them and indicate the nature of any impact upon them:

<input type="checkbox"/>	<p>Places, buildings, structures and equipment of cultural significance</p> <p>Description of resource: Buildings and structures</p> <p>Description of impact on heritage resource: No buildings or structures will be impacted by the development</p>
<input type="checkbox"/>	<p>Places to which oral traditions are attached or which are associated with living heritage</p> <p>Description of resource:</p>

	Description of impact on heritage resource: n/a
<input type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks):</p> <p>Description of resource: Stone tools</p> <p>Description of impact on heritage resource: A relatively large number of stone tools were recorded across the footprint area of the proposed development site during an HIA conducted by ACRM in 2012 (Kaplan 2012). Most of the remains were assigned to the Middle Stone Age (MSA), but some Later Stone Age (LSA) tools were also encountered, including two Early Stone Age (ESA) flakes. More than 80% of the implements recorded were in quartzite and silcrete, but a few lithics in indurated shale, quartz, chalcedony and ironstone were also noted. Most of the tools comprised isolated finds on calcareous red sands but implements were also clustered on patches of quartz gravels at higher elevations overlooking the floodplain of the Droerivier.</p> <p><i>Kaplan, J. 2012. Heritage Impact Assessment, the proposed Roma Energy Solar Farm on Portion of the Farm De Duinen No. 258 near Vanrhynsdorp, Western Cape. Report prepared for EnviroAfrica. ACRM, Cape Town</i></p>
<input type="checkbox"/>	<p>Palaeontological resources (ie: fossils):</p> <p>Description of resource: Fossils</p> <p>Description of impact on heritage resource: A desktop PIA for the proposed Roma Vanrhynsdorp Solar PV Plant was conducted by John Almond (Almond 2012). According to Almond (2012:3), 'the overall palaeontological sensitivity of the Vanrhynsdorp solar plant study area is assessed as LOW.</p> <p><i>Almond, J. 2012. Recommended exemption from further palaeontological studies and mitigation, proposed Vanrhynsdorp Roma Solar Plant, near Vanrhynsdorp. Report prepared for EnviroAfrica. Natura Viva, Cape Town</i></p>

<input type="checkbox"/>	<p>Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):</p> <p>Description of Resource: Graves</p> <p>Description of Impact on Heritage Resource: No graves or typical grave markers were identified by Kaplan (2012) during a HIA for the proposed Roma Solar PV Plant on Duinen 258/7</p>
<input type="checkbox"/>	<p>Other human remains:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Sites of significance relating to the history of slavery in South Africa:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Other heritage resources:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource: n/a</p>
<p>Describe elements in the environs of the site that could be deemed to be heritage resources:</p> <p>MSA and LSA tools, graded as having Low archaeological significance (see Kaplan 2012)</p> <p>Description of impacts on heritage resources in the environs of the site:</p> <p>Impact on Stone Age archaeological heritage resources</p>	

Summary of anticipated impacts on heritage resources:

Anticipated impact on important heritage resources: LOW

E. ILLUSTRATIVE MATERIAL:

Attach to this form a minimum A4 sized locality plan showing the boundaries of the area affected by the proposed development, its environs, property boundaries and a scale. The plan must be of a scale and size that is appropriate to creating a clear understanding of the development.

Attach also other relevant graphic material such as maps, site plans, satellite photographs and photographs of the site and the heritage resources on it and in its environs. These are essential to the processing of this notification.

Please provide all graphic material on paper of appropriate size and on CD/ USB in JPEG format. It is essential that graphic material be annotated via titles on the photographs, map names and numbers, names of files and/or provision of a numbered list describing what is visible in each image.

F. RECOMMENDATION

In your opinion do you believe that a heritage impact assessment is required? Yes No

Recommendation made by:

Name **Jonathan Kaplan (agency for cultural resource management)**
ASAPA CRM Membership No. 64 (in Good Standing)

Capacity **Heritage practitioner/archaeologist**

PLEASE NOTE: No Heritage Impact Assessment should be submitted with this form or conducted until Heritage Western Cape has expressed its opinion on the need for such and the nature thereof.

G. INFORMATION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE IMPACT ASSESSMENT (HIA)

If it is recommended that an HIA is required, please complete this section of the form.

DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA

In addition to the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:

<input type="checkbox"/>	Heritage resource-related guidelines and policies.
<input type="checkbox"/>	Local authority planning and other laws and policies.
<input type="checkbox"/>	Details of parties, communities, etc. to be consulted.
<input type="checkbox"/>	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details:
<input type="checkbox"/>	Other. Provide details:

PLEASE NOTE: Any further studies which Heritage Western Cape requires should be submitted must be in the form of a single, consolidated report with a single set of recommendations. Specialist studies must be incorporated in full, either as chapters of the report, or as annexures thereto.
Please refer to the *Guidelines for Heritage Impact Assessments required in terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)*

Proposed Hydrogen Plant on the Farm Duinen No. 258/7, near Vanrhynsdorp, Western Cape

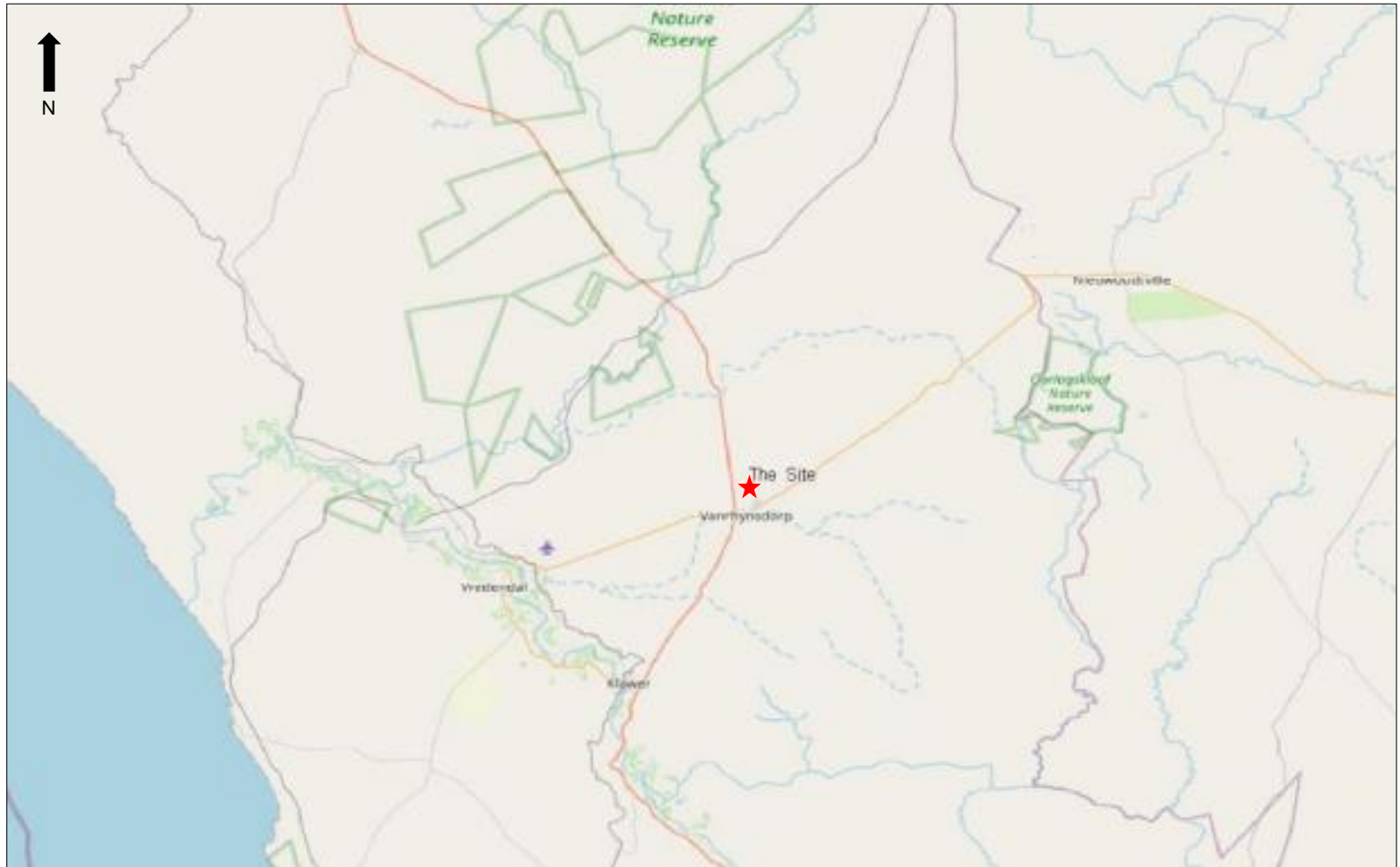


Figure 1. Locality map. Red star indicates the location of the proposed Roma Energy Hydrogen Plant on the Farm Duinen No. 257/7 near Vanrhynsdorp

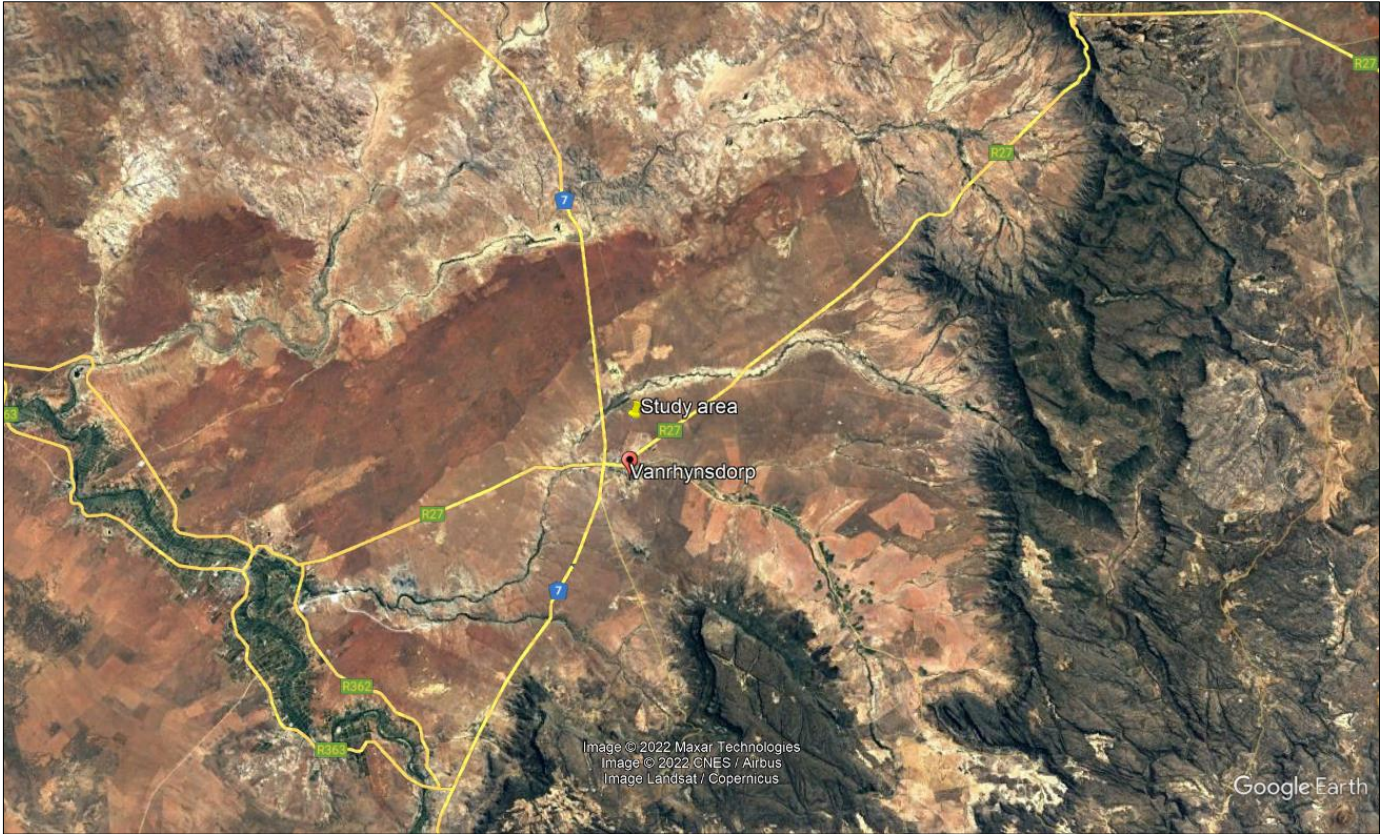


Figure 2. Google satellite map indicating the study area (yellow pin), in Vanrhynsdorp.

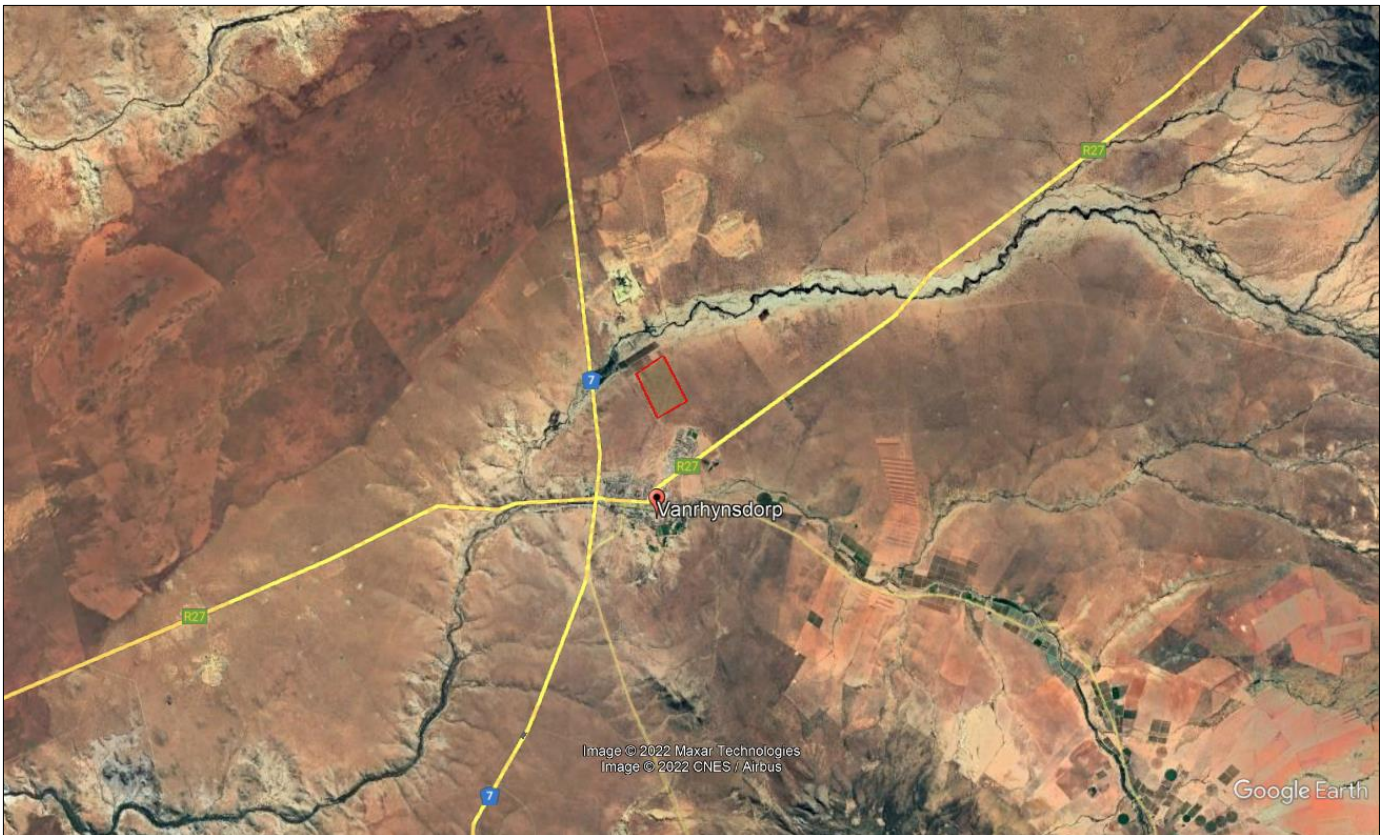


Figure 3. Google satellite map showing the approved footprint area for the approved Vanrhynsdorp Solar Energy Farm



Figure 4. Close up Google satellite map showing the footprint area (red polygon) of the already approved Roma Energy PV plant in Vanrhynsdorp



Figure 5. 20ha footprint area (red polygon) for the Roma Energy PV plant in Vanrhynsdorp. The blue polygon is the already approved footprint area for the PV plant.

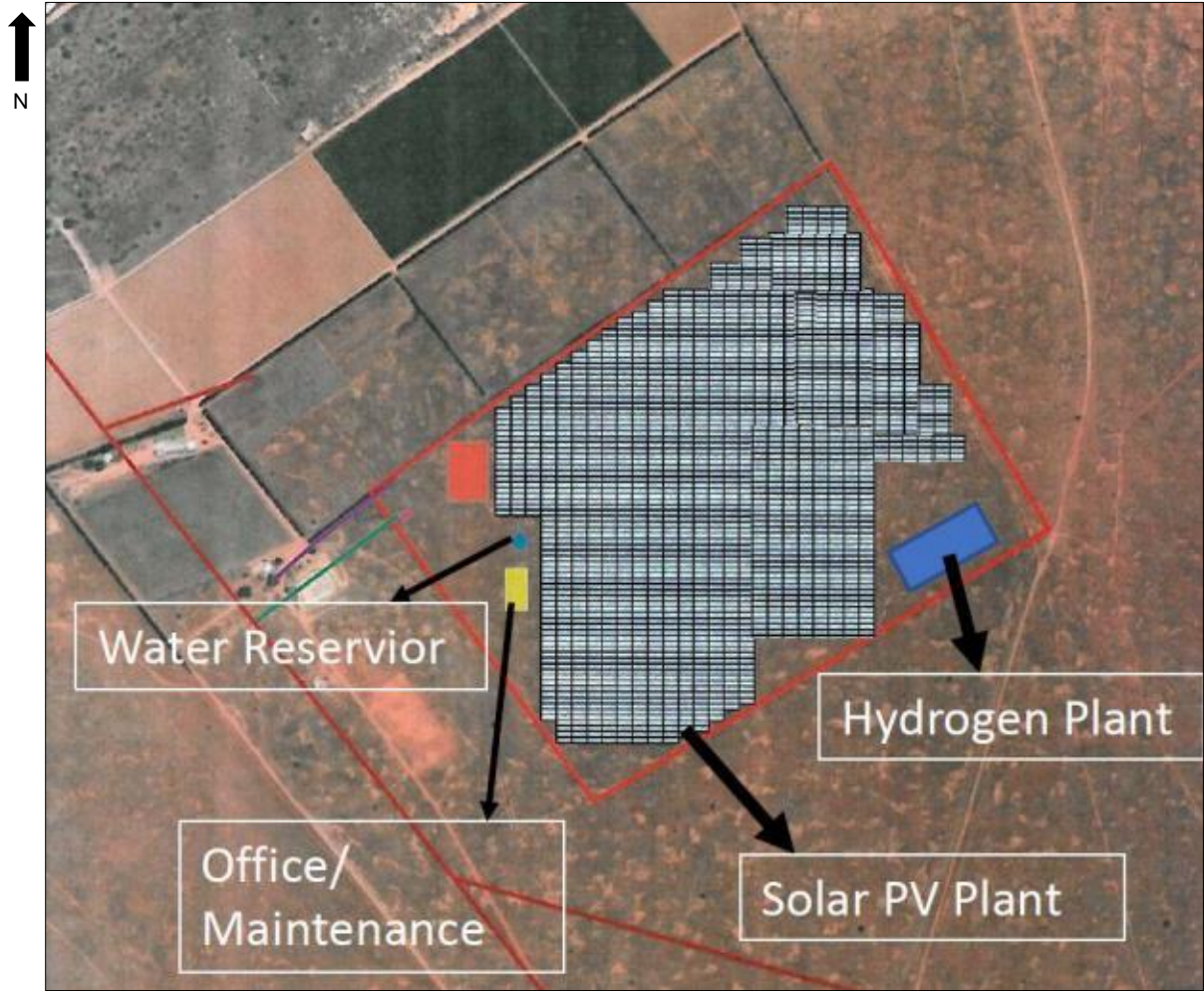


Figure 7. Proposed Layout Plan for the both the solar PV Plant and the Hydrogen plant



Figure 8. View of the study site facing north

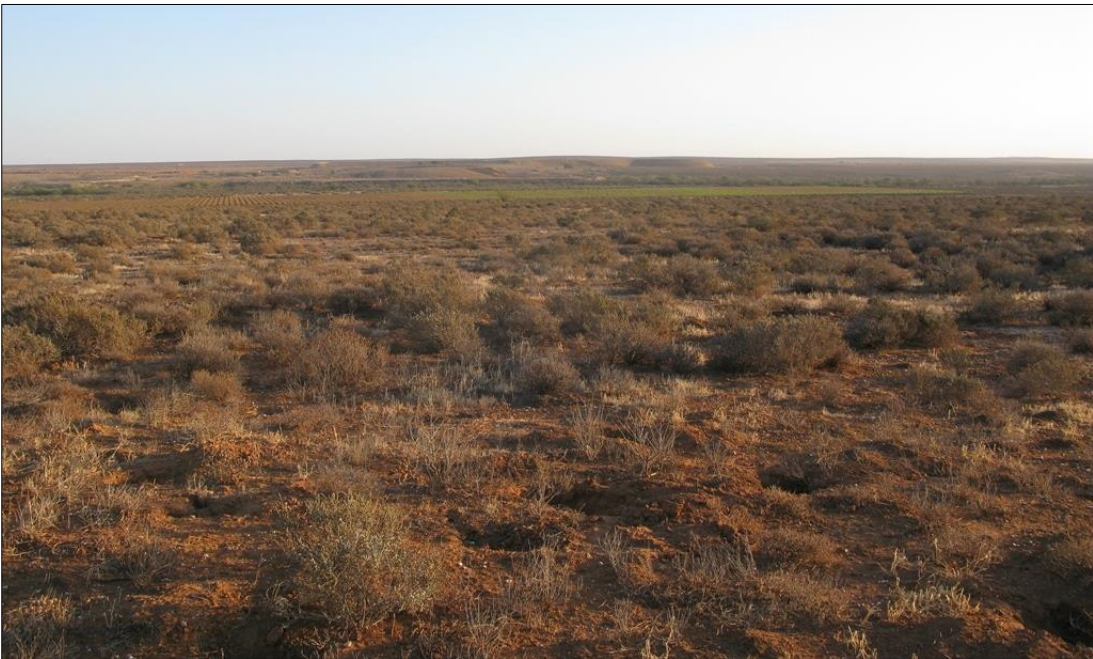


Figure 9. View of the study site facing north



Figure 10. View of the study site facing south



Figure 11. View of the study site facing south



Figure 12. View of the study site facing south east



Figure 13. View of the study site facing south east



Figure 14. View of the study site facing south