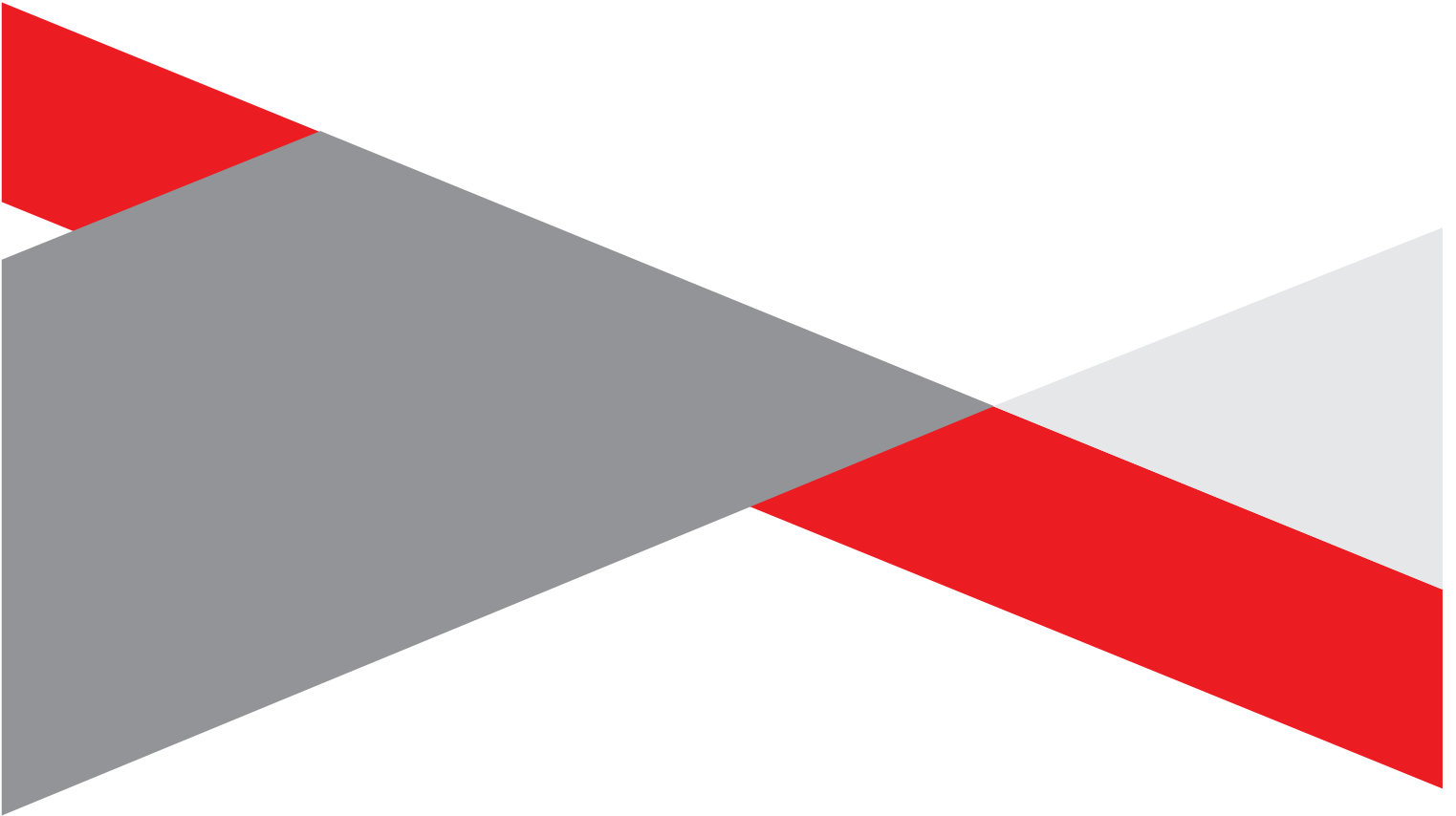


**APPENDIX C6**  
**COMMENTS RECEIVED**





### Environmental Research and Development (ERD)

90 Long Street, Kimberley, Northern Cape, South Africa, 8300, Tel: (053) 807 7300

E-mail: [nuys.denc@gmail.com](mailto:nuys.denc@gmail.com), web: [www.agrinc.gov.za](http://www.agrinc.gov.za)

Date:	6 July 2022	File:	
To:	<a href="mailto:publicprocess@savannahsa.com">publicprocess@savannahsa.com</a>	From:	N Uys
Subject: RE: ENVIRONMENTAL IMPACT ASSESMENT FOR THE PROPOSED DEVELOPMENT OF THE OF THE HYDRA B CLUSTER OF RENEWABLE ENERGY FACILITIES AND GRID CONNECTION INFRASTRUCTURE, PIXLEY KA SEME DISTRICT MUNICIPALITY, NORTHERN CAPE PROVINCE (DFFE Reference Nos.: To be Issued)			

Nicolene Venter

Savannah Environmental

tel: 011 656 3237

fax: 086 684 0547

e-mail: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

cell: +27 (0) 60 978 8396

**RE: ENVIRONMENTAL IMPACT ASSESMENT FOR THE PROPOSED DEVELOPMENT OF THE OF THE HYDRA B CLUSTER OF RENEWABLE ENERGY FACILITIES AND GRID CONNECTION INFRASTRUCTURE, PIXLEY KA SEME DISTRICT MUNICIPALITY, NORTHERN CAPE PROVINCE (DFFE Reference Nos.: To be Issued)**

Your Background Information Document (BID) dated June 2022 has reference.

1. The biggest concern is that the project falls in an Important Bird Areas and proper avifauna surveys must be conducted in order to mitigate the impacts on birds, as there is already a lot of power lines in the area.
2. Please incorporate into the assessment the ESKOM maintenance roads under power line(s) for maintenance and fire breaks (there is specific sizes for specific line sizes).
3. Please note the area is also an arid landscape and temporary roads leave scars in the landscape for years.
4. Please include under cumulative impacts assessed other developments such as agriculture and mining. Also include in the assessment the other renewable energy projects in the area and their associated power lines, especially the Kudu Solar PV and EGI that is located adjacent to this development.
5. This is a massive project and the cumulative impact of the project size should also be assessed.
6. It is recommended that all Environmental Authorisations for Renewable Energy (RE) projects as well as power lines must be re-evaluated if there are any changes in the way RE projects are approved for the De Aar area.
7. Fauna and flora permits will be needed for removal of flora and fauna for both the power line(s) and the renewable energy facilities.



Yours sincerely

A handwritten signature in black ink, appearing to read 'N UYS'.

**N UYS**

**PRODUCTION SCIENTIST GRADE A: BOTANIST**

A handwritten signature in black ink, appearing to read 'E. Swart'.

**E. SWART**

**SCIENTIFIC MANAGER GR B: RESEARCH AND DEVELOPMENT SUPPORT**



Mvelaphande Trading

**Mvelaphande Trading**  
**P O Box 12534**  
**Brandhof**  
**9324**

**Enquiries:** Mantwa Gabaitumele  
**Telephone:** 0825216813/ 0796937401

E-mail: GabaiMA2@telkom.co.za

Our reference: **CPLT0414-22**

Your reference: SE3346

14 July 2022

**Savannah Environmental**

P O Box 148  
SUNNINGHILL  
2157

**PROPOSED DEVELOPMENT OF THE HYDRA B CLUSTER OF RENEABLE ENERGY FACILITIES AND GRID CONNECTION INFRASTRUCTURE –KOPPY ALLEN SOLAR FACILITY**

With reference to your letter dated 30 June 2022.

With reference to your above-mentioned application, I hereby inform you that our Client (OPENSERVE) approves the proposed work indicated on your drawings in terms Section 29 of the Electronic Communications Act 36 of 2005 as amended.

Any changes/deviations from the original planning during or prior to construction must immediately be communicated to this office.

Our Client (OPENSERVE)'s infrastructure is affected by this proposal and the routes are marked in PINK on attached sketch as accurately as possible. **We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that are not on the sketch please stop and contact us immediately to arrange a site meeting. Please make use of pilot holes in order not to damage our infrastructure.** Therefore, any damages occurred during construction of work will be repaired at the customer's account. Consequently, the following conditions apply:

Aerial Plant - At points of crossing, the overhead power lines should cross above the communications lines in accordance with and clearances stipulated in the Occupational Health and safety Act no 85 of 1993, Machinery regulations 20 – Crossings, and Electrical Machinery Regulations 15 – Clearance of Power Lines. If the specifications could not be met, all deviation costs will be for the applicant's account. We also refer to section 25 of Electronic Communication Act 36 of 2005.

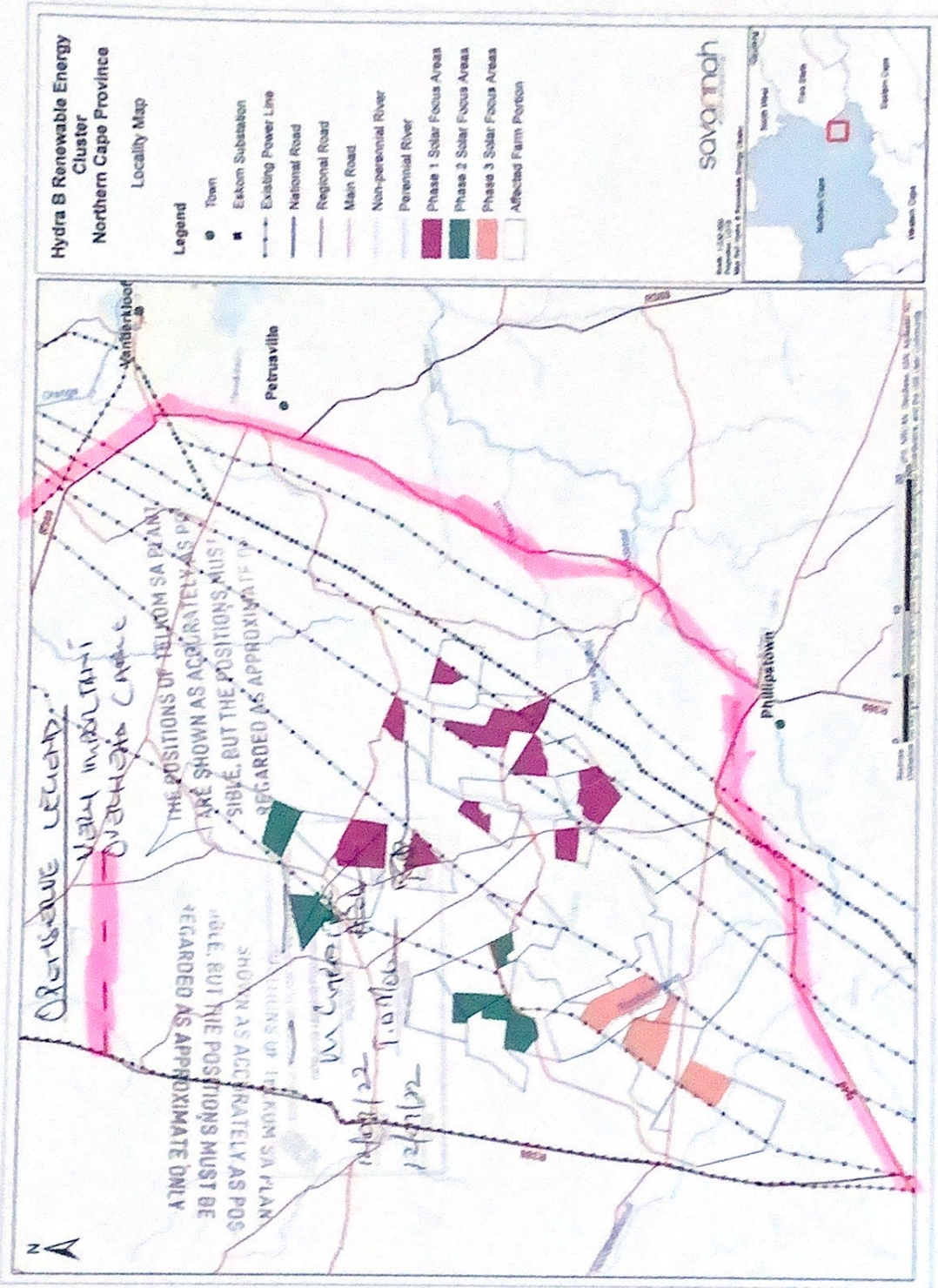
At points of crossing, the overhead power line should cross over the overhead communication lines with a minimum vertical separation of **0.8** meters.

Suitable protection as laid down in section 5 of the Code of Practice should be provided at all important crossings.

The crossing of supply lines or overhead service mains directly above or adjacent to communication poles must be avoided if possible. If not clearance of **3** meters must be provided.

In order to minimize noise induction into the telecommunication systems, the angle of crossing between the overhead power line and all communication lines, should be as near to a right angle as possible – the following deviation from the right angle being permitted at:

Figure 1: Locality map of the Hydra B Renewable Energy Cluster



- Power voltage of 48 kV and higher - 30 degrees
  - Power voltage of lower than 48 kV - 45 degrees
- .....SWER must be as near as 90 degrees as possible

Approved on condition that, should it later be found necessary to deviate the existing communication line due to existing noise interference or any other reason whatsoever, the cost of such remedial action shall be repayable.

Paragraph 2.4.1 of the Code of Practice stipulates the minimum acceptable horizontal separation between power and the communication lines and where this cannot be met, the design of the power line is also stipulated. This could apply between the attached plans and these requirements should strictly be adhered to.

In cases where an underground power cable will run parallel with an existing underground communication cable, a separation as great as possible should be maintained with a minimum separation of 600mm. should the separation be less than 600mm and the power cable are not enclosed in a suitable pipe, a concrete slab must be provided immediately above the power cable for the length of parallelism. If the separation is less than 300mm, additional protection is required by placing concrete slabs between our Client (OPENSERVE) cables/pipes and the power cables.

Underground Crossings - At the points where our Client (OPENSERVE)'s existing underground communication cable will be crossed by an underground cable; the latter should be laid a depth of at least 300mm below the communication cable – normally laid at a depth of 600mm. If the power cable is not enclosed in a suitable pipe, protection in the form of a concrete slab should be provided immediately above the power cable for a minimum of 2 (Two) metres on either side of crossing.

Calculations have shown that an earth fault on the high voltage Power lines will induce excessive low frequency induction into the Communication lines. As a result of this, the cost to deviate / alter the communication lines to prevent this induction will be for the power provider.

Relocations of our Client (OPENSERVE) plant will be done at customer's request and will be a repayable project.

Please notify the office within 21 working days from date of this letter of acceptance and if any alternative proposal is available of if a recoverable work should commence, the liaison officer is **Mantwa Gabaitumele** at tel. no. **0825216813**.

As important cables are affected, **Mr Vivian Groenewald must be contacted at 054 338 6501 /081 362 6738, (2) two weeks' prior of commencement on construction work. It would be appreciated if this office can be notified within 30 days on completion of construction work.** Confirmation is required on completion of construction as per agreed requirements.

**On completion of this project please certify that all requirements as stipulated in this letter have been met. Please note that should any of our Client (OPENSERVE) infrastructure has to be relocated or altered as a result of your activities the cost for such alterations or relocations will be for your account in terms of section 25 of the Electronic Communications Act.**

This approval is valid for 6 months only, after which re-application must be made if the work has not been completed.

Should our Client (OPENSERVE) infrastructure be damaged while work is undertaken, kindly call the Toll-free number **0800203951** immediately

All of our Client (OPENSERVE) rights remain reserved.

**Mr Vivian Groenewald must be contacted at 054 338 6501 /081 362 6738, Two weeks before any commencement of proposed work.**

Yours faithfully

MANTWA GABAITUMELE

PROPOSED DEVELOPMENT OF THE OF THE HYDRA 8 CLUSTER OF RENEWABLE ENERGY FACILITIES AND GRID CONNECTION INFRASTRUCTURE, FOXLEY KA SEME DISTRICT MUNICIPALITY, NORTHERN CAPE PROVINCE

Registration & Comment Form

June 2022

Return completed registration and comment form to: Nicolene Verste of Savannah Developments

Phone: 011 636 3237 / Mobile (incl. please call me): 083 778 8386 / Fax: 083-664 0547

E-mail: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com) Postal Address: PO Box 148, Sunningdale, 2137

Your registration as an interested and/or affected party will be applicable for this project only and your contact details provided are protected by the POPI Act of 2013

Please provide your complete contact details:

Name & Surname:	EDUARD JOHANNES HAUMANN	
Organisation:	HAUMANN FAMILY TRUST	
Designation:	REPRESENTATIVE TRUSTEE	
Postal Address:	P.O. Box 43016	
	HEILWELDIG ; 9332	
Telephone:	083 7786421	Fax
Mobile:	083 7786421	
E-mail:	mhaumann@mweb.co.za	

I would you like to register as an interested and affected party (I&AP) on the following Hydra 8 project/s database (please tick the relevant box)

Phase 1: Cluster of 12 Solar PV Facilities	<input checked="" type="checkbox"/>	Phase 2: Cluster of 6 Solar PV Facilities	<input type="checkbox"/>	Phase 3: Cluster of 4 Solar PV Facilities	<input type="checkbox"/>
---	-------------------------------------	--	--------------------------	--	--------------------------

In terms of EIA Regulations, 2014, as amended, Regulation 43(1), you are required to register as an I&AP to receive further correspondence regarding the EIA process for the project and to disclose any direct business, financial, personal or other interest which you may have in the approval or refusal of the application (add additional pages if necessary):

THE HAUMANN FAMILY TRUST IS THE OWNER OF PORTION 4 OF THE FARM GRASS PAK 40, ON WHICH THE MIDDELPLAAS SOLAR PV FACILITY IS PROPOSED TO BE DEVELOPED

Please list your comments regarding your project selection above (add additional pages if necessary):

THE HAUMANN FAMILY TRUST IS IN FAVOUR OF THE RELEVANT DEVELOPMENTS PROPOSED

Please provide contact details of any other persons who you regard as a potential interested or affected party:

Name & Surname:	
Postal Address:	
Telephone:	
Mobile:	
E-mail:	

Thank you for your registration

ENVIRONMENTAL IMPACT ASSESSMENTS AND PUBLIC PARTICIPATION PROCESS

PROPOSED DEVELOPMENT OF THE OF THE HYDRA B CLUSTER OF RENEWABLE ENERGY FACILITIES AND GRID CONNECTION INFRASTRUCTURE, PIXLEY KA SEME DISTRICT MUNICIPALITY, NORTHERN CAPE PROVINCE

Registration & Comment Form

June 2022

Return completed registration and comment form to: **Nicolene Vente** of Savannah Environmental

Phone: 011 656 3237 / Mobile (incl. 'please call me'): 060 978 8396 / Fax: 086 684 0547

E-mail: publicprocess@savannahsa.com Postal Address: PO Box 148, Sunninghill, 2157

Your registration as an interested and/or affected party will be applicable for this project only and your contact details provided are protected by the POPI Act of 2013

Please provide your complete contact details:

Name & Surname:	J.W. DE VILLIERS		
Organisation:	BESIT EIENDOM IN DIE GE-AFFEKTEERDE GEBIED		
Designation:			
Postal Address:	POSBUS 16 KTRUSVILLE		
Telephone:		Fax:	
Mobile:	083 2366 816		
E-mail:	karookobuse@hotmail.com		

I would you like to register as an interested and affected party (I&AP) on the following Hydra B project/s database (please tick the relevant box)

Phase 1: Cluster of 12 Solar PV Facilities	<input checked="" type="checkbox"/>	Phase 2: Cluster of 6 Solar PV Facilities	<input checked="" type="checkbox"/>	Phase 3: Cluster of 4 Solar PV Facilities	<input checked="" type="checkbox"/>
---	-------------------------------------	--	-------------------------------------	--	-------------------------------------

In terms of EIA Regulations, 2014, as amended, Regulation 43(1), you are required to register as an I&AP to receive further correspondence regarding the EIA process for the project and to disclose any direct business, financial, personal or other interest which you may have in the approval or refusal of the application (add additional pages if necessary):

Please list your comments regarding your project selection above (add additional pages if necessary):

EK BESIT EIENDOM NAASLIGGENDE EN IN DIE GE-AFFEKTEERDE AREAS VAN FASE 1 + 2 + 3.

Please provide contact details of any other persons who you regard as a potential interested or affected party:

Name & Surname:	
Postal Address:	
Telephone:	
Mobile:	
E-mail:	

Thank you for your registration



## Savannah Public Process

---

**From:** Savannah Public Process  
**Sent:** Friday, 21 October 2022 04:31  
**To:** Rohaida Abed  
**Cc:** Helen Antonopoulos  
**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Rohaida,

Thank you for following up – I believe the team is nearly done with the .KMZ.

I will share with you as soon as I receive the clients OK.

Kind regards,



t: +27 (0)11 656 3237  
f: +27 (0) 86 684 0547

**Nicolene Venter**

Public Participation and Social  
Consultant

e: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
c: +27 (0)60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

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**From:** Rohaida Abed <RAbed@csir.co.za>  
**Sent:** Thursday, 20 October 2022 19:30  
**To:** Savannah Public Process <publicprocess@savannahsa.com>  
**Cc:** Helen Antonopoulos <HAntonopoulos@csir.co.za>  
**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Nicolene

I hope that you are well. I am kindly following up on the KMZ for the Hydra B Cluster of RE Facilities please.

Please could you kindly share it with us?

Thanks  
Rohaida

---

**From:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Sent:** Tuesday, 13 September 2022 02:09

**To:** Rohaida Abed <[RAbed@csir.co.za](mailto:RAbed@csir.co.za)>  
**Cc:** Helen Antonopoulos <[HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)>  
**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Rohaida,

Apologies for responding only now.

The .KMZ has not yet been finalised. As soon as the .KMZ has been finalised, I will forward it to you.

Thank you for following up.

Kind regards,



t: +27 (0)11 656 3237  
f: +27 (0) 86 684 0547

**Nicolene Venter**

Public Participation and Social  
Consultant

e: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
c: +27 (0)60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

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**From:** Rohaida Abed <[RAbed@csir.co.za](mailto:RAbed@csir.co.za)>  
**Sent:** Wednesday, 07 September 2022 17:39  
**To:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Cc:** Helen Antonopoulos <[HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)>  
**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Nicolene

I hope that you are well. Apologies for the follow up, we just kindly enquiring on the KMZ file and status of the proposed Hydra B Cluster of Renewable Energy Facilities, and if you have any information on the proposed Hydra B substation (such as proposed location etc.).

We look forward to your feedback.

Thanks and kind regards,  
Rohaida

---

**From:** Rohaida Abed  
**Sent:** Sunday, 04 September 2022 10:37  
**To:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>

**Cc:** Helen Antonopoulos <[HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)>

**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Nicolene

I hope that you are well. Thank you for registering us on the database for the proposed Hydra B Cluster of Renewable Energy Facilities.

Would it be possible to please send us a KMZ file of the affected properties of the proposed Hydra B Cluster of Renewable Energy Facilities? Please also kindly let us know what the status of the project is?

We have responded on your request to register on the Kudu Solar PV project also.

Thanks and kind regards,  
Rohaida

---

**From:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>

**Sent:** Saturday, 03 September 2022 13:16

**To:** Rohaida Abed <[RAbed@csir.co.za](mailto:RAbed@csir.co.za)>

**Cc:** Helen Antonopoulos <[HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)>

**Subject:** RE: Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Rohaida,

Please receive herewith confirmation that you and Ms Helen Antonopoulos have been registered on the above projects database.

Thank you for acknowledging our request to register and the .KMZ submitted on 30 August 2022 – we eagerly awaits the .KMZ file.

Kind regards,



t: +27 (0)11 656 3237  
f: +27 (0) 86 684 0547

**Nicolene Venter**

Public Participation and Social  
Consultant

e: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
c: +27 (0)60 978 8396

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**From:** Rohaida Abed <[RAbed@csir.co.za](mailto:RAbed@csir.co.za)>

**Sent:** Friday, 02 September 2022 09:21

**To:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>

**Cc:** Helen Antonopoulos <[HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)>

**Subject:** Hydra B Cluster of Renewable Energy Facilities - Stakeholder Registration

Dear Nicolene

I hope that you are well.

We are aware of proposed Hydra B Cluster of Renewable Energy Facilities near Philipstown in the Northern Cape (21 Solar PV Facilities).

The Environmental Management Services (EMS) group of the CSIR is also undertaking Environmental Assessment processes for the proposed Kudu Solar Facility cluster in the vicinity. Here is a link to the Background Information Document for additional information: <https://www.csir.co.za/documents/bidkudupvegifinal020622pdf-0>

Would it be possible to please register myself and Helen Antonopoulos on the project database of I&APs?

Please see our email addresses below:

- Rohaida Abed – [RAbed@csir.co.za](mailto:RAbed@csir.co.za)
- Helen Antonopoulos - [HAntonopoulos@csir.co.za](mailto:HAntonopoulos@csir.co.za)

Our preferred method of notification is email.

Our interest in the application is as stated above (i.e. Environmental Assessment Practitioner for a nearby Solar PV development).

Would it be possible to please send us a KMZ file of the affected properties of the proposed Hydra B Cluster of Renewable Energy Facilities? Please also kindly let us know what the status of the project is?

We have noted your request to register on the Kudu Solar PV project also and will also respond on that separately.

Thanks and kind regards,  
Rohaida

