



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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NEAS Reference: DEA/EIA/0001504/2012

DEA Reference: 14/12/16/3/3/1/732

Enquiries: Mathodi Mogorosi

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Mr Howard Ramsden
Geo Solar (Pty) Ltd
P.O. Box 2505
SUNNINGHILL WEST
2072

Fax no: 086-719-4531

PER FACSIMILE / MAIL

Dear Mr Ramsden

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543/544: CONSTRUCTION OF A 132KV/66KV DISTRIBUTION SUB-STATION AND ASSOCIATED INFRASTRUCTURE NEAR NOUPOORT WITHIN THE UMSOBOMVU LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

With reference to the above application, please be advised that the Department has decided to grant authorisation. The environmental authorisation (EA) and reasons for the decision are attached herewith.

In terms of regulation 10(2) of the Environmental Impact Assessment Regulations, 2010 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 12 (twelve) days of the date of the EA, of the Department's decision in respect of your application as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 7 of the Regulations, which prescribes the appeal procedure to be followed. This procedure is summarised in the attached document. Kindly include a copy of this document with the letter of notification to interested and affected parties.

Should the applicant or any other party wish to appeal any aspect of the decision a notice of intention to appeal must be lodged by all prospective appellants with the Minister, within 20 days of the date of the EA, by means of one of the following methods:

- By facsimile: 0123207561;
- By post: Private Bag X447,
Pretoria, 0001; or
- By hand: 2nd Floor, Fedsure Building, North Tower,
Cnr. Lilian Ngoyi (Van der Walt) and Pretorius Streets,
Pretoria.

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection, should you intend to submit an appeal.

Please include the Department (*Attention: Director: Integrated Environmental Authorisations*) in the list of interested and affected parties, notified through your notification letter to interested and affected parties, for record purposes.

Appeals must be submitted in writing to:

Mr Z Hassam Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-310-3271

Email: AppealsDirectorate@environment.gov.za

The authorised activity/ies shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that the Minister may, on receipt of appeals against the authorisation or conditions thereof suspend the authorisation pending the outcome of the appeals procedure.

Yours faithfully



Mr Ishaam Abader
Deputy Director-General: Legal, Authorisations, Compliance & Enforcement
Department of Environmental Affairs

Date:

21/10/2013

CC:	Ms K Jodas	Savannah Environmental (Pty) Ltd	Tel: 011-656-3237	Fax: 086-684-0547
	Ms D Moleko	Northern Cape Department of Environment & Nature Conservation	Tel: 053-807-7300	Fax: 053-807-7367
	Mr A Mpela	Umsobomvu Local Municipality	Tel: 051-753-0777	Fax: 086-699-0837
	Mr S Malaza	Compliance Monitoring (DEA)	Tel: 012-310-3397	Fax: 012-320-5744

APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF THE NEMA EIA REGULATIONS, 2010 (THE REGULATIONS) AS PER GN R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ENVIRONMENTAL AUTHORISATION (EA)

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive EA from the relevant Competent Authority (the Department of Environmental Affairs (DEA)).	1. Receive EA from Applicant/Consultant.
2. Within 12 days of date of the EA notify all IAPs of the EA and draw their attention to their right to appeal against the EA in terms of Chapter 7 of the Regulations.	2. N/A.
3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Water and Environmental Affairs (the Minister).	3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Water and Environmental Affairs (the Minister).
4. After having submitted your notice of intention to appeal to the Minister, provide each registered IAP with a copy of the notice of intention to appeal within 10 days of lodging the notice.	4. After having submitted your notice of intention to appeal to the Minister, provide the applicant with a copy of the notice of intention to appeal within 10 days of lodging the notice.
5. The Applicant must also serve on each IAP: <ul style="list-style-type: none"> • a notice indicating where and for what period the appeal submission will be available for inspection. 	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> • a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.
6. The appeal must be submitted in writing to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.	6. The appeal must be submitted to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.
7. Any IAP who received a notice of intention to appeal may submit a responding statement to that appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.	7. An Applicant who received notice of intention to appeal may submit a responding statement to the appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.

NOTES:

1. **An appeal against a decision must be lodged with:-**
 - a) the Minister of Water and Environmental Affairs if the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
 - b) the Minister of Justice and Constitutional Development if the applicant is the Department of Water Affairs and the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
2. **An appeal lodged with:-**
 - a) the Minister of Water and Environmental Affairs must be submitted to the Department of Environmental Affairs;
 - b) the Minister of Justice and Constitutional Development must be submitted to the Department of Environmental Affairs;
3. **An appeal must be:-**
 - a) submitted in writing;
 - b) accompanied by:
 - a statement setting out the grounds of appeal;
 - supporting documentation which is referred to in the appeal; and
 - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62.





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of regulation 36 of the Environmental Impact Assessment Regulations, 2010

**CONSTRUCTION OF A 132kV/66kV DISTRIBUTION SUB-STATION AND ASSOCIATED
INFRASTRUCTURE NEAR NOUPOORT WITHIN THE UMSOBOMVU LOCAL MUNICIPALITY,**

NORTHERN CAPE PROVINCE

Pixley ka Seme District Municipality

Authorisation register number:	14/12/16/3/3/1/732
NEAS reference number:	DEA/EIA/0001504/2012
Last amended:	First issue
Holder of authorisation:	GEO SOLAR (PTY) LTD
Location of activity:	NORTHERN CAPE PROVINCE: Within Portion 8 of Farm Damfontein 114

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises –

GEO SOLAR (PTY) LTD

with the following contact details –

Mr. H Ramsden

Geo Solar (Pty) Ltd

P.O. Box 2505

SUNNINGHILL WEST

2072

Tel: (011) 234 1603

Fax: (086) 719 4531

Cell: (073) 672 2503

E-mail: howard@terra-solar.co.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1 (GN R. 544):

Listed activities	Activity/Project description
<p><u>GN R. 544 Item 10:</u> <i>The construction of facilities or infrastructure for the transmission and distribution of electricity:</i> <i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</i></p>	<p>A 132-66kV distribution sub-station is proposed to be constructed to connect the following proposed projects into the Eskom grid: Damfontein Solar Energy Facility; Wonderheuvel Solar Energy Facility; Carolus Poort Solar Energy Facility; Gilmer Solar Energy Facility; and Allemans Solar Energy Facility.</p>
<p><u>GN R. 544 Item 13:</u> <i>The construction of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500 cubic metres.</i></p>	<p>During construction and operations fuel could be stored on site, as well as oils from the transformers</p>
<p><u>GN R. 544 Item 22:</u> <i>The construction of a road, outside urban areas,</i> <i>(i) with a reserve wider than 13, 5 meters.</i></p>	<p>The facility may require the upgrading of an existing road and construction of a new access road to the sub-station.</p>
<p><u>GN R. 544 Item 23:</u> <i>The transformation of undeveloped, vacant or derelict land to –</i> <i>(ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is</i></p>	<p>The area to be developed for the step down sub-station will be greater than 1ha but less than 20ha in</p>

Listed activities	Activity/Project description
<p>bigger than 1 hectare but less than 20 hectares; - except where such transformation takes place – (i) for linear activities; or (ii) for purposes of agriculture or afforestation, in which case Activity 16 of Notice No. R. 545 applies.</p>	<p>extent.</p>

as described in the Basic Assessment Report (BAR) dated July 2013 at:

Alternative S1	Latitude	Longitude
	31° 8' 0.88" S	24° 50' 25.59" E

- for the construction of the 132kV/66kV distribution sub-station (also known as TSE Distribution Sub-station) on portion 8 of Farm Damfontein 114, in the Umsobomvu Local Municipality of the Pixley ka Seme District Municipality in the Northern Cape Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

- Transformers and Auxiliary transformers;
- Isolators (disconnecting switch) and earthing switch;
- Feeder bays for incoming lines;
- Circuit/equipment protection;
- Sub-station yard boundary fence;
- Small oil spill dam;
- Lighting and surge arrestors; and
- Stringing of conductors (cables).

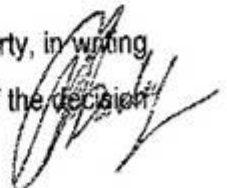
Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred Site Alternative (S1) and infrastructure with coordinates indicated above is approved.
2. Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.
6. This activity must commence within a period of three (03) years from the date of issue of this authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
7. Commencement with one activity listed in terms of this authorisation constitutes commencement of all authorised activities.
8. The holder of an environmental authorisation must notify the competent authority of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.

Notification of authorisation and right to appeal

9. The holder of the authorisation must notify every registered interested and affected party, in writing, and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.



10. The notification referred to must –

- 10.1. specify the date on which the authorisation was issued;
- 10.2. inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment Regulations, 2010;
- 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
- 10.4. give the reasons of the competent authority for the decision.

11. The holder of the authorisation must publish a notice –

- 11.1. informing interested and affected parties of the decision;
- 11.2. informing interested and affected parties where the decision can be accessed; and
- 11.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2)(c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.

Management of the activity

12. The Environmental Management Programme (EMPr) submitted as part of the Application for EA is hereby approved. This EMPr must be implemented and adhered to.

Monitoring

13. The applicant must appoint a suitably experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this authorisation are implemented and to ensure compliance with the provisions of the EMPr.
- 13.1. The ECO must be appointed before commencement of any authorised activities.
 - 13.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
 - 13.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
 - 13.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

Recording and reporting to the Department

14. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the *Director: Compliance Monitoring* at the Department.
15. The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.
16. The environmental audit report must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the EMPr.
17. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Commencement of the activity

18. The authorised activity shall not commence within twenty (20) days of the date of signature of the authorisation.
19. An appeal under section 43 of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended), does not suspend an environmental authorisation or exemption, or any provisions or conditions attached thereto, or any directive, unless the Minister, MEC or delegated organ of state directs otherwise.
20. Should you be notified by the Minister of a suspension of the authorisation pending appeal procedures, you may not commence with the activity until such time that the Minister allows you to commence with such an activity in writing.

Notification to authorities

21. Fourteen (14) days written notice must be given to the Department that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number. This notification period may coincide with the notice of intent to appeal period.

Operation of the activity

22. Fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.

Site closure and decommissioning

23. Should the activity ever cease or become redundant, the applicant shall undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

Specific conditions

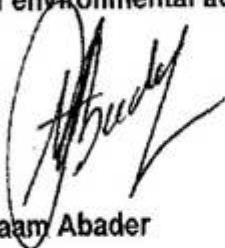
24. Anti-collision devices such as bird flappers must be installed where powerlines crosses avifaunal corridors, as recommended by the avifaunal specialist. The input of an avifaunal specialist must be obtained for the fitting of the anti-collision devices onto specific sections of the power lines once the exact positions of the towers have been surveyed and pegged.
25. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous protected and endangered plant and animal species.
26. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
27. Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.
28. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste shall be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).
29. Should any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal/ash concentrations), unmarked human burials, fossils or other categories of heritage resources are found during the proposed activities, SAHRA APM Unit (Jenna Lavin/Colette Scheermeyer 021-462-4502) must be alerted immediately, and a professional archaeologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings. If the newly discovered

heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation might be necessary.

General

30. A copy of this authorisation and the approved EMPr must be kept at the property where the activities will be undertaken. The authorisation and approved EMPr must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.
31. The holder of the authorisation must notify both the *Director: Integrated Environmental Authorisations* and the *Director: Compliance Monitoring* at the Department, in writing and within forty eight (48) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.
32. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the applicant or his successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 21 OCTOBER 2013



Mr Ishaam Abader

Deputy Director-General: Legal, Authorisations, Compliance & Enforcement
Department of Environmental Affairs

Annexure 1: Reasons for Decision

1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The information contained in the BAR dated July 2013;
- b) The comments received from the SAHRA, BirdLife South Africa, SKA South Africa, Department of Rural Development & Land Reform, Department of Agriculture, Forestry & Fisheries, Umsobomvu Local Municipality, SANRAL, and interested and affected parties as included in the BAR dated June 2013;
- c) Mitigation measures as proposed in the BAR dated June 2013 and the EMPr;
- d) The information contained in the specialist studies contained within Appendix D of the BAR; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act 107 of 1998).

2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.
- b) Details provided of the qualifications of the Environmental Assessment Practitioner (EAP).
- c) The need and desirability of the proposed development.
- d) Description of the environment that may be affected by the activity and the manner in which the physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity.
- e) Relevant legislation, guidelines and policies considered in the undertaking of the Environmental Impact Assessment process.
- f) Identification of impacts and the methodology used in assessing those impacts.



3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The need and desirability for the proposed development was clearly defined.
- b) The BAR dated June 2013 adequately describes the environment that may be affected by the activity and the manner in which the physical, biological, social and cultural aspects of the environment may be affected by the proposed activity.
- c) The identification and assessment of impacts are detailed in the BAR dated June 2013 and sufficient assessment of the key identified issues and impacts have been completed.
- d) Relevant specialist studies were conducted. The studies have assessed specific impacts and recommended adequate mitigation measures.
- e) The procedure followed for impact assessment is adequate for the decision-making process.
- f) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- g) Public participation was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.
- h) EMPr measures for the pre-construction; construction and rehabilitation phases of the development were proposed and included in the BAR dated June 2013 and will be implemented to manage the identified environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the proposed activity can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

