



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA  
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

NEAS Reference: DEA/EIA/0001885/2013

DEA Reference: 14/12/16/3/3/1/523

Enquiries: Mahlatse Shubane

Telephone: 012-395-1781 Fax: 012-320-7539 E-mail: mshubane@environment.gov.za

Ms Andrea van Gensen  
Eskom Holdings SOC Limited  
P.O. Box 356  
**BLOEMFONTEIN**  
9300

Fax no: 086 539 5177

### **PER FACSIMILE / MAIL**

Dear Ms van Gensen

### **ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543 AND 544: PROPOSED CONSTRUCTION OF A 132 KV POWER LINE AND ASSOCIATED INFRASTRUCTURE WITHIN TSANTSABANE AND KGATELOPELE LOCAL MUNICIPALITIES IN THE NORTHERN CAPE PROVINCE**

With reference to the above application, please be advised that the Department has decided to accept the Basic Assessment Report (BAR) and 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: 012-320-7561;

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:**

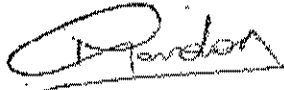
Mr Z Hassam Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-310-3271

Email: [AppealsDirectorate@environment.gov.za](mailto: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 sincerely



**Mr Mark Gordon**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

Date: 26/06/2013

CC:	Ms Kelly Tucker	Sivest	Tel: 011-798-0637	Fax: 011-803-7272
	Mrs E Botes	Provincial Department	Tel: 053-807-7300	Fax: 053-807-7328
	Mr Solazi Henge	Tsantsabane Local Municipality	Tel: 053-313-7300	Fax: 053-313-1602
	Mr Gustav von Mollenhof	Kgatelopele Local Municipality	Tel: 053-384-8600	Fax: 053-384-0326
	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"> <li>• a notice indicating where and for what period the appeal submission will be available for inspection.</li> </ul>	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> <li>• a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.</li> </ul>
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 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:-**

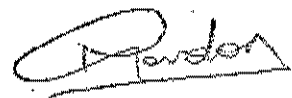
- a) the Minister of Water and Environmental Affairs if the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
- b) the Minister of Justice and Constitutional Development if the 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 132 kV power line and associated infrastructure within Tsantsabane and Kgatelopele Local Municipalities in the Northern Cape Province

Siyanda District Municipality

Authorisation register number:	14/12/16/3/3/1/523
NEAS reference number:	DEA/EIA/0001885/2013
Last amended:	First issue
Holder of authorisation:	ESKOM HOLDINGS SOC LIMITED
Location of activity:	NORTHERN CAPE PROVINCE: Within Tsantsabane and Kgatelopele Local Municipalities

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 –

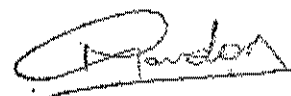
### **ESKOM HOLDINGS SOC LIMITED**

with the following contact details –

Mr. Andrea van Gensen  
Eskom Holdings SOC Limited  
P.O. Box 356

**BLOEMFONTEIN**  
9300

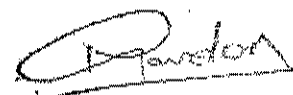
Tel: (051) 404 2040  
Fax: (086) 539 5177  
E-mail: [vgenseal@eskom.co.za](mailto:vgenseal@eskom.co.za)



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

Listed activities	Activity/Project description
<p><u>GN R. 544 Item 10:</u>                      The construction of facilities or infrastructure for the transmission and distribution of electricity -                      (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</p>	<p>The proposed project is for the construction of a 132 kV power line and associated infrastructure outside urban areas.</p>
<p><u>GN R. 544 Item 11:</u>                      The construction of:                      Infrastructure or structures covering 50 square metres or more                       where construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>The associated infrastructure for the proposed development will occur within 32 metres of a water course.</p>
<p><u>GN R. 544 Item 18:</u>                      The infilling or depositing of any material of more than 5 cubic meters into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from a                      (i) watercourse                      but excluding where such infilling, depositing, dredging, excavation, removal or moving                      (i) is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant authority; or                      (ii) occurs behind the development setback line.</p>	<p>More than 5 cubic meters of soil will be removed from closer to the a watercourse.</p>

as described in the Basic Assessment Report (BAR) dated 25 February 2013 at:

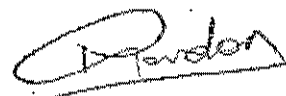


Preferred Alternative Corridor (Alternative 1A)	Latitude	Longitude
Starting point of activity	28° 17.785'	23° 23.444'
Middle point of activity	28° 20.735'	23° 24.943'
End point of activity	28° 21.235'	23° 31.229'

- for the proposed construction of 132 kV power line and associated infrastructure on remainder of Farm 469, Portion 1 of Farm 469, Remainder of Farm 468, Remainder of Farm 467, Remainder of Farm 453, Portion 4,8 and Remainder of Farm 453, Portion 65, 37, 4, 63, 24, 15, 52, 30 and 60 of Farm 458 and Portion 2 of Farm 469, within Tsantsabane and Kgatelopele Local Municipalities in the Northern Cape Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

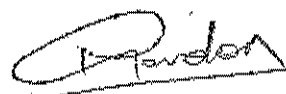
- 1 x 132kV overhead power line from the proposed Switchyard to Silverstreams Substation, near Lime Acres;
- 1 x switchyard on Humansrus farm (located outside the solar field);
- 1 x 132kV overhead power line from the proposed Switchyard to each PV Power Plant switching station;
- Extension of the 132kV busbar in the PV Power Plant switching stations;
- 1 x 132kV feeder bay in the PV Power Plant switching stations;
- 3 x 132kV feeder bays in Silverstreams Substation;
- Create a loop-in configuration to Silverstreams Substation by reconfiguring the existing Olien-Karats 132kV power line currently crossing Silverstreams Substation;
- 1 x 120MVA 11/132kV step-up substation with 2 x 132kV feeder bays at the proposed the Redstone Solar Thermal Energy Plant; and
- Control rooms and security systems.



## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The preferred route alternative (alternative 1A) with the above-mentioned co-ordinates is hereby 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 five (5) 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**

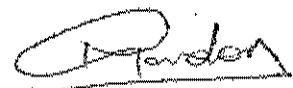
9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date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

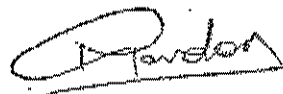
22. Fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.

**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. Concrete mixing on site during construction (if mixed on the ground) must be conducted on plastic sheeting in order to avoid permanent soil contamination and to facilitate clean-up of the site.
25. Adequate training of the workers must be done to ensure minimization of environmental impacts.
26. Erosion control measures must be implemented to secure the existing gravel road during and after the construction of the proposed development.
27. One (1) chemical toilet must be provided for every 15 construction workers on site. The toilets must be in working condition and serviced once a week.
28. Anti-collision devices such as bird flappers must be installed where the power line crosses avifaunal corridors, wetlands, pans and drainage lines.
29. The power lines must be fitted with bird's perches in order to draw birds (particularly vultures) away from the insulators.
30. The applicant must ensure that the exposed soil and material stockpiles are adequately protected against wind (e.g. shade netting and straw stabilisation).
31. Potable water must not be used to mitigate dust.



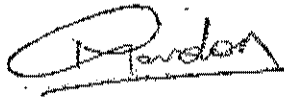
32. The working areas and access routes must be clearly demarcated to minimise environmental impacts.
33. Drip trays must be placed under generators when in use.
34. The applicant is required to inform the Northern Cape Department of Environmental Affairs and Nature Conservation and this Department should the removal of protected species, medicinal plants and "data deficient" plant species be required.
35. After construction rehabilitation must be carried out in order to maintain the functionality of the biodiversity areas and its ecological corridor.
36. All trees protected in terms National Forest Act no 84 of 1998 must be marked with Geographical Positioning System (GPS) and permits for cutting and trimming must be applied from the Department of Agriculture and Forestry (DAFF) prior to construction.
37. Pylons must not be placed directly in the bed of a river, wetlands or drainage line.
38. Existing access roads must be utilised as much as possible to protect biodiversity sensitive areas.
39. 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).



**General**

40. A copy of this authorisation and the approved EMPr must be kept at the property where the activity/ 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.
41. 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 48 (forty eight) 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.
42. 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: 26/06/2013



**Mr Mark Gordon**  
**Chief Director: Integrated Environmental Authorisations**  
**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 25 February 2013;
- b) Mitigation measures as proposed in the BAR dated 25 February 2013 and the EMPr;
- c) The information contained in the specialist studies contained within Appendix D of the BAR;
- d) Findings of the site visit conducted on 08 May 2013; 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).

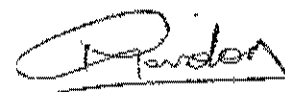
### 2. Key factors considered in making the decision

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) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project was clearly explained in the BAR dated 25 February 2013.
- c) The BAR dated 25 February 2013 identified all legislation and guidelines that have been considered in the preparation of the BAR dated 25 February 2013.
- d) The methodology used in assessing the potential impacts identified in the BAR dated 25 February 2013 and the specialist studies have been adequately indicated.
- e) 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.

### 3. Findings

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



- a) The identification and assessment of impacts are detailed in the BAR dated 25 February 2013 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) The information contained in the BAR dated 25 February 2013 is accurate and credible.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR 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.

