



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia, · PRETORIA
Tel (+ 27 12) 399 9372

NEAS Reference: DEA/EIA/0002328/2014

DEA Reference: 14/12/16/3/3/1/1188

Enquiries: Ms Portia Makitla

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Mr Itumeleng Moeng
Eskom Holdings SOC Limited
P.O. Box 1091
JOHANNESBURG
2000

Tel no: 011 800 4115
Fax no: 086 513 0837
Email: moengi@eskom.co.za

Per Email / Mail

Dear Mr Moeng

ENVIRONMENTAL AUTHORISATION FOR THE CONSTRUCTION OF ESKOM KYALAMI-MIDRAND STRENGTHENING PROJECT, COMPRISING OF A SUBSTATION AND APPROXIMATELY 30 KM OF 3 X 400kV TRANSMISSION LINES BETWEEN THE EXISTING LULAMISA SUBSTATION AND THE PROPOSED KYALAMI SUBSTATION, GAUTENG 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 post: Private Bag X447,
Pretoria, 0001; or

By hand: Environment House
473 Steve Biko, Arcadia,
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.

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: 012-399 9356

Email: AppealsDirectorate@environment.gov.za

The authorised activities shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that in terms of section 43(7) of the National Environmental Management Act, 1998, an appeal under section 43 of that Act will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

Yours faithfully



Mr Ishaam Abader

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

Date: 12/12/2014

CC:	Ms K Govender	Envirolution	Tel: 086 144 4499	Email: gesan@envirolution.co.za
	Mr N Makhathini	GDARD	Tel: 011 355 1434	Email: nhlanhla.makhathini@gauteng.gov.za
	Ms R Bhana	COJ	Tel: 011 407 6439	Email: rajeshreeb@joburg.org.za

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 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 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 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 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

The construction of Eskom Kyalami-Midrand Strengthening Project, comprising of a substation and approximately 30km of 3 x 400kV transmission lines between the existing Lulamisa Substation and the proposed Kyalami Substation

City of Johannesburg Metropolitan Municipality

Authorisation register number:	14/12/16/3/3/1/1188
NEAS reference number:	DEA/EIA/0002328/2014
Last amended:	Second issue
Holder of authorisation:	ESKOM HOLDINGS SOC LIMITED
Location of activity:	GAUTENG PROVINCE: Within the City of Johannesburg Metropolitan Municipality

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

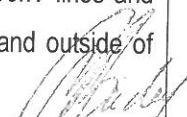
with the following contact details –

Mr. Itumeleng Moeng
Eskom Holdings SOC Limited
P.O. Box 1091
JOHANNESBURG
2000

Tel: (011) 800 4114
Fax: (086) 513 0837
E-mail: moengi@eskom.co.za



to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notices 1, 2 or 3 (GN R. 544, 545 & 546):

Listed activities	Activity/Project description
<p><u>GN R 544 Item 10 (i & ii):</u> The construction of facilities or infrastructure for the transmission and distribution of electricity -</p> <p>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts</p> <p>(ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</p>	<p>The 3 400kV transmission power lines will be approximately 13 km in length and located between the Lulamisa Substation and proposed Kyalami Substation, Gauteng. The transmission power lines will be both inside and outside of the urban edge.</p>
<p><u>GN R. 544 Item 11:</u> The construction of:</p> <p>(ix) infrastructure or structures covering 50 square metres or more where such 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 substation could be located within 32 metres from a watercourse.</p>
<p><u>GN R. 544 Item 18:</u> The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, pebbles or rock from (i) a watercourse.</p>	<p>The towers could be located within a watercourse and during excavation of foundations more than 5 m² could be excavated or deposited.</p>
<p><u>GN R. 544 Item 23:</u> The construction of –</p> <p>The transformation of undeveloped, vacant or derelict land to –</p> <p>(i) residential, retail, commercial, recreational, industrial or institutional use, inside an urban area, and where the total area to be transformed is 5 hectares or more, but less than 20 hectares, or</p> <p>(ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares.</p>	<p>An area of about 100m x 100m (1hectare) is required to construct the substation and Eskom may clear above 10000m² for the purposes of substation construction. The substation will be located outside the urban edge.</p>
<p><u>GN R 545 Item 8:</u> The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or</p>	<p>The project will entail 3 x 400kV lines and will be situated both inside and outside of the urban edge</p> 

Listed activities	Activity/Project description
more, outside an urban area or industrial complex.	
<p><u>GN R 546 item 3 (b):</u> The construction of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast: will exceed 15 metres in height, but excluding attachments to existing buildings and masts on rooftops.</p> <p>(b) In Gauteng: v. Sites identified as irreplaceable or important sites in the Gauteng Conservation Plan;</p>	<p>The development would involve the installation of a telecommunication mast in an area identified as irreplaceable or important sites in the Gauteng C Plan.</p>
<p><u>GN R 546 Item 4 (b):</u> The construction of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>(b) In Gauteng: v) Sites identified as irreplaceable or important sites in the Gauteng</p>	<p>The development would involve construction of roads to ensure the ease of construction and maintenance of the proposed power line. The project will be located in an area identified as irreplaceable or important sites in the Gauteng C Plan. It is possible that roads that trigger the activity might be required.</p>
<p><u>GN R 546 Item 12 (a):</u> The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.</p> <p>a) Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</p>	<p>The project is located in Egoli Granite Grassland (Gm 10) vegetation type, which is a listed threatened ecosystem and is further classified as endangered. In addition it is an area identified as irreplaceable or important sites in the Gauteng C Plan. An area in excess of 10 000m² will be cleared</p>
<p><u>GN R 546 Item 13 (d):</u> The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for:</p> <p>(1) the undertaking of a process or activity included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act</p>	<p>The project is located in an area identified as irreplaceable or important sites in the Gauteng C Plan. An area in excess of 10 000m² will be cleared</p>



Listed activities	Activity/Project description
No. 59 of 2008), in which case the activity is regarded to be excluded from this list. (2) the undertaking of a linear activity falling below the thresholds mentioned in Listing Notice 1 in terms of GN No. 544 of 2010. (b) In Gauteng: v. Sites identified as irreplaceable or important sites in the Gauteng Conservation Plan;	

as described in the Basic Assessment Report (BAR) dated September 2014 at:

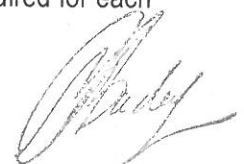
Substation Site A	Latitude	Longitude
	26° 01' 01.63" S	28° 04'15.45" E

Transmission line Route Alternative 1 (Revision 20)	Latitude	Longitude
Starting point of activity	26° 1' 1" S	28° 4'15" E
Middle point of activity	25° 59' 37" S	28° 2' 59" E
End point of activity	26° 57' 52" S	28° 0' 35" E

- for the construction of (A) three 400kV transmission power lines between the existing Lulamisa Substation and (B) proposed Kyalami Substation, Gauteng Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

- A new 400kV substation on an area of approximately 400m x 400m in extent in the Midrand/Kyalami area.
- Construction of three 400kV transmission power lines looping in and out of the proposed Bravo (Kendal B) – Lulamisa 400kV power line (in the vicinity of the Lulamisa Substation) to connect the substation to the Transmission grid. The towers forming part of the transmission line are to be 36 m to 61 m in height and will extend over a total footprint area of 80m x 50m, which is required for each tower. The average span between two towers is 300m to 400m.

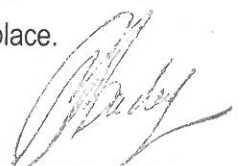


- Associated works to integrate the proposed new substation and transmission power lines into Eskom's electricity Transmission grid (including the construction of service/access roads, the construction of a communication tower at the substation site, etc.).

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred Site A for the substation and route Alternative 1 (Revision 20) situated within the northern section of the Leeuwkop Prison property within close proximity to an existing substation site and Main Road (M71) on the abovementioned coordinates 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 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.



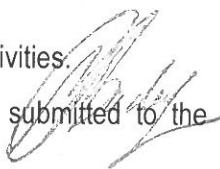
Notification of authorisation and right to appeal

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 an 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.
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- 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. In terms of section 43(7), an appeal under section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.



Notification to authorities

20. 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

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

Site closure and decommissioning

22. 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

23. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water Affairs.
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 line once the exact positions of the towers have been surveyed and pegged.
25. A botanist must be appointed to perform a final walkthrough of the alignment to identify sensitive plant species, and assist in identifying the areas that require protection.
26. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
27. Liaison with land owners/farm managers is to be done prior to construction in order to provide sufficient time for them to plan their activities.
28. Construction must take place during the dry winter months when the majority of amphibian species are inactive.
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29. Vegetation clearing must be kept to an absolute minimum.
30. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal.
31. 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

32. 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.
33. 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.
34. 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:

12 DECEMBER 2014



Mr Ishaam Abader

Deputy Director-General: Legal, Authorisations, Compliance and 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 September 2014;
- b) The comments received from organs of state and interested and affected parties as included in the BAR dated September 2014;
- c) Mitigation measures as proposed in the BAR dated September 2014 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) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision to strengthen the transmission network capacity as well as to improve the quality of electricity supply in the region.
- c) The BAR dated September 2014 identified all legislation and guidelines that have been considered in the preparation of the BAR dated September 2014.
- d) The methodology used in assessing the potential impacts identified in the BAR dated September 2014 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 September 2014 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 September 2014 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.

