

Annex B

Distribution Environmental Screening Document (DESD)
Reticulation Powerlines and Ancillary Services

Ratified and accepted by
Environmental Practitioner
Environmental Specialist
Head of Engineering Survey
(one signature please)

Accepted by Land Owner/s/Users

I have seen the completed document and accept the
recommendations made

Assessor/s

Form completed by

B. Blau

Signature:

B. Blau

in consultation with:

A. W. L. Ntshong

Signature:

A. W. L. Ntshong

CAPACITY (e.g. land owner, specialist):

LAND OWNER

Date:

2013/09/06

Instructions

1. Fill the report in as neatly and completely as possible.
2. Where the question / statement is not applicable mark N/A.
3. The form must be completed in consultation with someone who knows the area well and who can also predict if any future development is envisaged (e.g. a landowner, land user, specialist, etc.).
4. Indicate sensitive areas on a map and/or spanning plans.
5. When in doubt, consult the Environmental Practitioner in your region.

The purpose of this DESD is to:

1. Determine whether or not the project should be subject to R1183, published in terms of the Environment Conservation Act No. 73 of 1989.
2. Identify and mitigate the negative impact of Eskom's activities to a minimum in line with both Legislation and Eskom's Environmental Policies.
3. This report is a guide to Route Selection, Construction and Field Services.

NOTE Complete the report before the survey!!!

This is not an office exercise.

Extra sheets of paper may be added and referenced if insufficient space has been provided.

MOLOTWE KIMBE AUTHORITY

DATE 06/09/2013

P.O. BOX 131
MOLOTWE 0373

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1 Project description

Project name/Survey
Request M. DLORWE Area MALORWE
Project number ELECTRIFICATION File number
Rural scheme/
Feeder R.R.M Voltage 22KV
Supply from R.R.M 88/76
(scheme name, pole numbers for tee-off)
Supply to BIERKRAAL
(Farm name, etc.)

2 Properties traversed

Farm name BIERKRAAL
Registration number and Division 134 JP Sub-division 0
Compilation number 2426 Line length/Site area (m²) 312m

Farm name
Registration number and Division Sub-division.....
Compilation number Line length/Site area (m²)

3 Brief description of the surrounding area

..... RURAL RESIDENTIAL AREA
.....
.....
.....
.....
.....
.....

Could the proposed project have an impact on or be constrained by any of the following environmental aspects?

Encircle the appropriate aspect, giving a description of the present state as well as an indication of the possible negative impact. **Note that mitigating measures for these impacts are to be included in the Environmental Management Programme.**

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4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER

Present condition: DRY AREA

Potential impact (e.g. threat of pollution):

NO THREAT OF POLLUTION

4.2 Soil: sandy rocky clayey OTHER

Present condition:

Potential impact (e.g. of erosion) MINIMAL THREAT OF POLLUTION

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: FLAT AREA

Potential impact (e.g. of erosion) MINIMAL

Comments/mitigating measures:
ACCESS ROADS MUST BE USED DURING
CONSTRUCTION

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5 Natural environment

5.1 Flora: indigenous protected exotic OTHER

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass)
..... CAPRIE THORN & INDIGENOUS THORN TREES

Potential impact (e.g. permit applications) PERMIT MIGHT BE NEEDED
..... FOR SOME INDIGENOUS TREES

5.2 Fauna: mammals birds OTHER

Brief description and conservation status:
(e.g. rare, protected, etc., mention giraffe, elephants, eagles, vultures, etc., mention migratory
paths)

..... CATTLE, DONKEYS & INDIGENOUS BIRDS

Potential impact (e.g. threat of electrocution, collision, etc)..... MINIMAL

Comments/mitigating measures:

..... LINE DESIGNED TO AVOID CUTTING OF
..... PROTECTED TREES

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6 Social environment

6.1 Restricted areas: nature/game reserves hiking trails tourism routes parks recreational areas
 residential-areas green belts sacred/holy grounds OTHER

Brief description *RESIDENTIAL AREA*

Potential impact e.g. threat of encroachment, etc. *MINIMAL*

6.2 Visual aesthetics: easily seen hidden partially

Brief description *THERE ARE FEW TREES WHERE THE LINES ARE RUNNING*

Potential impact *CUTTING OF FEW INDIGENOUS TREES*

6.3 Natural heritage: cultural significance archaeological objects monuments palaeontological objects graves meteorites ruins OTHER.....

Note: Should any natural heritage resource as listed above, or as defined in the National Heritage Resource Act, No 25 of 1999 be identified, the requirements of Act 25 of 1999 shall be followed by notifying the SAHRA.

Potential impact *MINIMAL*

Comments/mitigating measures *SHOULD ANY NATURAL HERITAGE BE DISCOVERED DURING CONSTRUCTION SAHRA SHOULD BE NOTIFIED*

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7 Economic environment

7.1 Land use: crops orchards grazing crop spraying
 game farming forestry areas mining OTHER

Brief description RESIDENTIAL PURPOSES

Potential impact MINIMAL

7.1.1 Commercial: factories shops OTHER

Brief description TRUCK SHOPS

Potential impact NO IMPACT

7.1.2 Infrastructure: roads railways communications power lines air fields
 pipelines sewage OTHER

Brief description: TELLKOM AND Eskom POWER LINES

Potential impact MINIMAL IMPACT

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Comments/mitigating measures:

.....

7.1.3 Impact

What impact will this project have on elements 4 to 7?

1. Physical	<input checked="" type="checkbox"/>	
No impact (0)	Medium impact (2)	High impact (4)
2. Natural	<input checked="" type="checkbox"/>	
No impact (0)	Medium impact (2)	High impact (4)
3. Social	<input checked="" type="checkbox"/>	
No impact (0)	Medium impact (2)	High impact (4)

Overall impact:

This section addresses the overall environmental impact of the project. The impacts as assessed in the above three spheres (physical, natural and social) need to be considered to determine the overall impact

0	<input checked="" type="checkbox"/>	4
No impact	Medium impact	High impact

If the overall impact is between 2 and 4, contact the Environmental Practitioner or specialist.

Alternatives

Have alternative routes been discussed with the relevant land owner/s or users?

Yes
 No

Detailed study

Is an *environmental scoping* required in terms of Regulation 1183?

Yes
 No

Should the SAHRA be notified?

Yes
 No

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Environmental Management Plan

1 General conditions

- 1.1** The Eskom project manager or co-ordinator shall be responsible for ensuring that the land owners have been informed before any work is carried out on site. Contractors shall find out if the landowners have been informed before moving onto site.
- 1.2** No fences, gates or locks shall be damaged to obtain access onto a line route. Arrangements shall be made in advance to obtain permission for access.
- 1.3** Use of private roads shall be arranged in advance. Any damage to private roads shall be repaired at the contractor's expense and to the satisfaction of the landowner. This shall be the responsibility of the project manager or co-ordinator.
- 1.4** Gates shall be left as they are found, i.e. closed gates shall be kept closed and open gates shall be left open. Gates to adjacent properties or onto public roads shall be closed at all times. Any Eskom gates installed on the line route shall be kept closed and locked except while stringing is taking place. Open gates shall be guarded to prevent animals straying and unauthorised persons and vehicles entering into adjacent camps or properties.
- 1.5** Permission shall be obtained from landowners before any water is used.
- 1.6** No fires shall be lit on private property. If fires are lit on Eskom's property or in the construction camp, provision shall be made that no accidental fires are started. No firewood shall be collected in the veld.
- 1.7** If activities that can cause a fire are carried out, fire extinguishers shall be available on site and in the construction camp.
- 1.8** No property may be accessed after normal working hours except with the permission of the landowner. Privacy shall be respected at all times.
- 1.9** Eskom, Eskom's contractors and their employees shall at all times be courteous towards landowners, tenants and the local community.
- 1.10** Eskom, Eskom's contractors and their employees shall not cause damage to property, crops or animals. Activities that may cause conflict with landowners, tenants, the local work force or the local community shall be avoided. Should conflict arise it shall be immediately reported to the Eskom project manager or co-ordinator.
- 1.11** Vehicles shall be driven at a moderate speed on private roads and stay within the statutory speed limit on public roads.
- 1.12** All movement of vehicles shall take place on the established Eskom servitude road or on private roads as agreed in advance. Keep to existing tracks. No movement shall take place through the veld. Special care shall be taken to prevent excess damage during wet weather.

