

Annex B - Distribution Environmental Screening Document (DESD)
(Informative)

Reticulation Powerlines and Ancillary Services

Ratified and accepted by
Environmental Practitioner

Environmental Specialist
Head of Engineering Survey
(one signature please)

[Signature]
05-03-15

Accepted by Land Owner/s/Users

X MASHUHO LIE SICA

I have seen the completed document and accept the
recommendations made

X MASHUHO LIE SICA

Assessor/s

Form completed by

THOMAS Signature: *[Signature]*

in consultation with:

MASHUHO Signature: X MASHUHO LIE SICA

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

X Chief

DATE COMPLETED:

2015 February 18

Instructions

1. Fill the report in as neatly and completely as possible.
2. Where the question / statement is not applicable mark N/A.
3. Indicate sensitive areas on a map and/or spanning plans.
4. When in doubt, consult the Environmental Practitioner in your region.

The purpose of this DESD is to:

- Determine whether or not the project should be subject to R543-7, published in terms of the National Environmental management Act 107 of 1998.
- Identify and mitigate the negative impact of Eskom's activities to a minimum in line with both Legislation and Eskom's Environmental Policies.
- 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.

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MASHUHO L.



Annex B
(continued)

1 Project description

Project name/Survey
 Request Signed Rannias Mashogo Area Nelspruit
 Project number NQ136889151 File number
 Rural scheme/
 Feeder Mauliyan Voltage
 Supply from NM94/20/70
 (scheme name, pole numbers for tee-off)
 Supply to Rannias Mashogo
 (Farm name, etc.)

2 Properties traversed

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

3 Brief description of the surrounding area

The proposed line is situated
in a residential area, and
there are existing eskom pole
lines in the 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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Annex B
(continued)

4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER Dry

Present condition: Area is dry at the moment

Potential impact (e.g. threat of pollution): No impact

4.2 Soil: sandy rocky clayey OTHER

Present condition: soil is sandy

Potential impact (e.g. of erosion) No impact

4.3 Topography mountains ridges hills valleys ravines dongas OTHER N/A

Present condition:

Potential impact (e.g. of erosion) No impact

Comments/mitigating measures:
.....
.....
.....
.....
.....
.....
.....

ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

Unique Identifier: 240-72597722
Revision: 1
Page: 21 of 70

Annex B
(continued)

5 Natural environment

5.1 Flora: indigenous protected exotic OTHER *N/A*

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass) *No trees affected*

Potential impact (e.g. permit applications) *No impact*

5.2 Fauna: mammals birds OTHER *N/A*

Brief description and conservation status:
(e.g. rare, protected, etc., mention giraffe, elephants, eagles, vultures, etc., mention migratory paths)
No animals affected

Potential impact (e.g. threat of electrocution, collision, etc.) *No impact*

Comments/mitigating measures:
.....
.....
.....

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 *Land is a residential area*

Annex B
(continued)

Potential impact e.g. threat of encroachment, etc. No impact

6.2 Visual aesthetics: easily seen hidden partially.....

Brief description line is easily visible

Potential impact No impact

6.3 Natural heritage: cultural significance archaeological objects monuments palaeontological objects graves meteorites ruins OTHER N/A

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. If line or access road length exceeds 300m SAHRA shall be notified.

Potential impact No impact

Comments/mitigating measures

7 Economic environment

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

Brief description

Annex B
(continued)

Potential impact *No impact*

7.1.1 Commercial: factories shops OTHER *N/A*

Brief description
Potential impact *No impact*

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

Brief description: *Line is next to a dumping site*

Potential impact *No impact*

Comments/mitigating measures:

.....
.....
.....
.....

Annex B
(continued)

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

1. Physical

No impact (0) Medium impact (2) High impact (4)

2. Natural

No impact (0) Medium impact (2) High impact (4)

3. Social

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	2	4
No impact	Medium Impact	High Impact

If the overall impact is between 2 and 4, contact the Environmental Management Officer or the Environmental Senior Superintendent.

Alternatives

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

Yes _____
No _____

Detailed study

Is an *environmental assessment* required in terms of Regulation R543?

Yes _____
No _____

Should a permit application be made to DWA?

Yes _____
No _____

Should the SAHRA be notified?

Yes _____
No _____

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Annex C - Environmental Management Plan (Normative)

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.

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