

Annex B

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

03/04/2013

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

Owen Moswale

Accepted by Land Owner/s/Users
I have seen the completed document and accept the
recommendations made

Assessor/s

Form completed by *J. Maxalaba* Signature: *[Signature]*

in consultation with: *P.C. LESCH* Signature: *[Signature]*

CAPACITY (e.g. land owner, specialist): *LAND OWNER*

Date: *2013/02/13*

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.

**PROCEDURE FOR THE ENVIRONMENTAL ASSESSMENT OF
RETICULATION AND SUB-TRANSMISSION PROJECTS: ANNEX Q OF
THE CAPITAL INVESTMENT PROCEDURE SCSPVABP7 Page 2 of 9**

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1 Project description

Project name/Survey
Request *TRUST* Area *KOSTER*
Project number *SK082602701* File number
Rural scheme/
Feeder *KME* Voltage *11KV*
Supply from *KME 14/36/18/82/16/9*
(scheme name, pole numbers for tee-off)
Supply to *OTTERFONTEIN, 438 JP, PORTION 41*
(Farm name, etc.)

2 Properties traversed

Farm name *OTTERFONTEIN*
Registration number and Division *438 JP* Sub-division *41*
Compilation number *2526AA* Line length/Site area (m²) *106,17m*

Farm name *OTTERFONTEIN*
Registration number and Division *438 JP* Sub-division *40*
Compilation number *2526AA* Line length/Site area (m²) *565,94m*

3 Brief description of the surrounding area

Future Game farming
.....
.....
.....
.....
.....
.....

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: *N/A*

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

..... *N/A*

4.2 Soil: sandy rocky clayey OTHER

Present condition: *Dry soil*

Potential impact (e.g. of erosion) *Minimal Impact*

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: *N/A*

Potential impact (e.g. of erosion) *Minimal Impact*

Comments/mitigating measures:

..... *Access routes must be used during*

..... *construction to minimise soil erosion*

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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)

Thorn Trees

Potential impact (e.g. permit applications) No permit required for this 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)

Ostriches, Cattle

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

Comments/mitigating measures:

Cutting of trees must be done only
where the line is running.

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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 Future game reserve, for Impulz, Kudu

Potential impact e.g. threat of encroachment, etc. Minimal the line is running only in two farms

6.2 Visual aesthetics: easily seen hidden partially...

Brief description There are trees where the line is running.

Potential impact Cutting of thorn 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 N/A

Comments/mitigating measures Should any natural heritage being discovered during bush clearing or construction. SAHRA should be notified.

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Comments/mitigating measures:

Profiling the crossing of Telkom line.

.....

.....

.....

.....

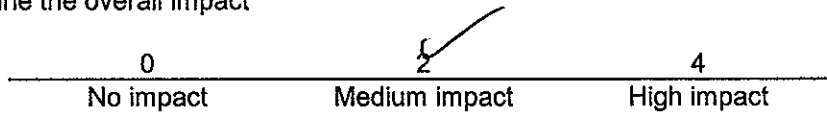
7.1.3 Impact

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



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 _____