

Rooipad Mine Deviation

Document Classification: Controlled Disclosure

ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

Unique Identifier: 240-72597722

Revision: 1

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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)

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

Form completed by JL HENRIKX Assessor/s JLH
in consultation with AH Candie Signature: AH Candie (CEU 072 432
CAPACITY (e.g. land owner, specialist): Class Board 0225
DATE COMPLETED: 19 APRIL 2016

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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Annex B
(continued)

1 Project description

Project name/Survey Request **ROOIFAD LINE DEVIATION** Area **ANGREABLES**
 Project number File number
 Rural scheme/Feeder **BLONPITS-ROOIFAD** Voltage **22KV**
 Supply from **BLR 117**
 (scheme name, pole numbers for tee-off)
 Supply to **BLR 122**
 (Farm name, etc.)

2 Properties traversed

Farm name **ROOIFAD**
 Registration number and Division **15** Sub-division **POK TION**
 Compilation number **2820 CBW** Line length (m) **± 400 m** **FLARE LINE**
 Farm name
 Registration number and Division Sub-division
 Compilation number Line length/Site area (m²)

3 Brief description of the surrounding area

THE SURROUNDING AREA ARE COVERED WITH GRASSY GRAPES, BUILDINGS AND HOUSES

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: THE ORANGE RIVER ARE NEAR THE FARM

Potential impact (e.g. threat of pollution): THEIR WILL BE NO THREAT OF POLLUTION

4.2 Soil: sandy (rocky) clayey OTHER

Present condition: THE AREA ARE HARD AND ROCKY
Potential impact (e.g. of erosion) USE EXISTING ROADS ON FARM

4.3 Topography mountains ridges (hills) valleys ravines dongas OTHER

Present condition: THE FARM ARE BUILD ON SMALL HILLS AND HARD ROCKY GROUND
Potential impact (e.g. of erosion) THE HILLS ARE NEXT TO THE FARM ROAD

Comments/mitigating measures:

THE POWER LINE WILL DEVIATE A LITTLE BIT FROM THE EXISTING LINE

Annex B (continued)

5 Natural environment

5.1 Flora: indigenous

protected

exotic

OTHER

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass)

LINE DEVIATION CROSSED 3 CAMELTHORN TREES
POTENTIAL IMPACT (e.g. permit applications) AN APPLICATION TO DEPARTMENT OF WATER AFFAIRS MUST BE NECESSARY FOR A PERMIT TO CUT 3

5.2 Fauna: mammals

birds

OTHER

BRANCHES

Brief description and conservation status:

(e.g. rare, protected, etc., mention giraffe, elephants, eagles, vultures, etc., mention migratory paths)

THEIR ARE SMALL BIRDS IN THE AREA

NOT PROTECTED BIRDS

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

BE BUILT WITH BIRDFRIENDLY STRUCTURES
THE LINE WILL

Comments/mitigating

measures:

THE BIRDFRIENDLY STRUCTURE WILL HELP TO SAVE BIRDS FROM ELECTROCUTION

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

N/A

Brief description

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Potential impact e.g. threat of encroachment, etc. N/A

6.2 Visual aesthetics: easily seen hidden partially

Brief description
THE NEW POWERLINE WILL BE HIDDEN AMONG THE TREES

Potential impact
THE IMPACT OF THE POWERLINE WILL BE SOFTER ON THE EYES (HIDDEN AWAY)

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

Potential impact N/A

Comments/mitigating measures N/A

7 Economic environment

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

Brief description
THEIR ARE STRAPS IN THE AREA

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Potential impact **THE POWERLINE WILL HAVE NO EFFECT ON THE GRAPES**

7.1.1 Commercial: factories shops OTHER

Brief description **N/A**
Potential impact

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

Brief description: **N/A**
.....
.....
Potential impact

Comments/mitigating measures: **N/A**
.....
.....
.....

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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 _____