

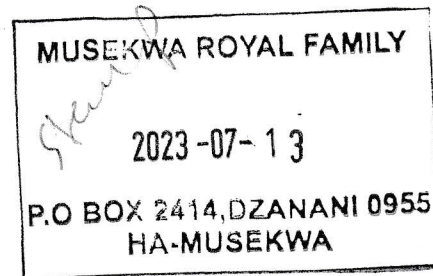
Annex B - Distribution Environmental Screening Document (DESD)
(Informative)

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 M. N. MUSEKWA Assessor/s Signature:
in consultation with: MUSEKWA N. J. Signature:
CAPACITY (e.g. land owner, specialist): CHAIRPERSON
DATE COMPLETED: 13/07/2023



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.

Annex B
(continued)

1 Project description

Project name/Survey
Request **Tshifhumulo murwamuila** Area **Paradise maname**
Project number **THT664542833** File number
Rural scheme/ **PMVT**
Feeder Voltage **22kv**
Supply from **Line devaition**
(scheme name, pole numbers for tee-off)
Supply to **Line devaition**
(Farm name, etc.)

2 Properties traversed

Farm name **Paradise**
Registration number and Division **724MS** Sub-division
Compilation number **2329** Line length (m) **374m**
Farm name
Registration number and Division Sub-division
Compilation number Line length/Site area (m²)

3 Brief description of the surrounding area

Sandy, rocky on hill, hot, dry and rural residential
.....
.....
.....
.....

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.**

Annex B
(continued)

4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER

Present condition: *NA*

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

..... *NA*

4.2 Soil: sandy rocky clayey OTHER

Present condition: *Hard sandy rocky soil*

Potential impact (e.g. of erosion) *NO impact*

4.3 Topography mountains ridges hills valleys ravines dongas OTHER *Flat*

Present condition: *Very flat area.*

Potential impact (e.g. of erosion) *NO impact*

Comments/mitigating measures:

..... *sandy rocky soil.*

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)

Scattered lead wood trees
Potential impact (e.g. permit applications)

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)

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

No impact

Comments/mitigating measures:

No permit required

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 Rural residential area.

Annex B
(continued)

Potential impact e.g. threat of encroachment, etc. *NO impact*

6.2 Visual aesthetics: easily seen *NO* hidden partially

Brief description *The line will traverse along the street*

Potential impact *NO impact*

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 *line is more than 300m*

Comments/mitigating measures *UHA exemption required*

7 Economic environment

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

Brief description *UHA*

Annex B
(continued)

Potential impact *N/A*

7.1.1 Commercial: factories shops OTHER

Brief description: *There are shops around the area*
Potential impact: *no impact*

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

Brief description: *Gravel rocky road, Telkom com. network*
Potential impact: *no impact*

Comments/mitigating measures:
no impact

Annex B
(continued)

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

1. Physical

<input checked="" type="radio"/> No impact (0)	<input type="radio"/> Medium impact (2)	<input type="radio"/> High impact (4)
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2. Natural

<input checked="" type="radio"/> No impact (0)	<input type="radio"/> Medium impact (2)	<input type="radio"/> High impact (4)
--	---	---------------------------------------

3. Social

<input checked="" type="radio"/> No impact (0)	<input type="radio"/> Medium impact (2)	<input type="radio"/> 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

<input checked="" type="radio"/> 0	<input type="radio"/> 2	<input type="radio"/> 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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