
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

Assessor/s

Form completed by Mueliswa M Signature: [Signature]

in consultation with: Boycaba S Signature:

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

DATE COMPLETED: 07/11/2018

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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1 Project description

Project name/Survey

Request Dept. Agric, Cooper. Serv. Area Taung

Project number TUG 231375864 File number

Rural scheme/

Feeder Nostim Moigaseng Voltage 22 kv

Supply from NM01-19-6

(scheme name, pole numbers for tee-off)

Supply to 15-2M away from above pole/existing transformer

(Farm name, etc.)

2 Properties traversed

Farm name No farm traversed

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 project is located south east of Taung in the greater Taung local municipality. It is inside Taung skull heritage site Area was previously mined for lime stone, and as a result there are mine dumps and stockpiles. There is a river close by with various infrastructure.

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: A river runs through the heritage site but areas observed are dry.

Potential impact (e.g. threat of pollution): None. No river crossing by the powerline. River is + 500m away

4.2 Soil: sandy rocky clayey OTHER

Present condition: well exposed rocky clay soil with limited grass cover due to dryness

Potential impact (e.g. of erosion) None

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: Part of the surrounding slope is hilly due to mine dumps, whereas other is mountainous

Potential impact (e.g. of erosion) None

Comments/mitigating measures:

Existing road tracks to be used during construction. No vegetation removal should be done unnecessarily. Soil must be well compacted to stabilise the disturbed area

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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)

Indigenous plant species observed in surrounding environment.

Potential impact (e.g. permit applications) None. No unnecessary

tree cutting will be done.

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)

Rock Hyrax and baboons observed in the area with small and big birds. Vultures are protected

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

Electrocution of big birds such as vultures

Comments/mitigating

measures:

Bird friendly structures to be used.

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 Heritage site

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Potential impact e.g. threat of encroachment, etc. None

6.2 Visual aesthetics: easily seen hidden partially

Brief description The electrical infrastructure will be partially seen due to the terrain and vegetation cover.

Potential impact Visual impact when close by

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 Permit required to construct because area is a heritage site.

Comments/mitigating measures Apply for permit at SAHRA prior to construction.

7 Economic environment

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

Brief description Previously used for mining. Currently protected and used for heritage and tourism value.

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Potential impact *None due to current land use and surrounding*

7.1.1 Commercial: factories shops OTHER

Brief description *None*

Potential impact *None*

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

Brief description: *Well compacted road and existing power line with transformer*

Potential impact *New transformer to be placed across the road, power loss is anticipated for some time.*

Comments/mitigating measures:

Planning & all office must be notified of possible power loss during execution of project.

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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)
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2. Natural

No impact (0)	Medium impact (2)	High impact (4)
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3. Social

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

Detailed study

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

Yes _____
No NO

Should a permit application be made to DWA?

Yes _____
No NO

Should the SAHRA be notified?

Yes yes
No _____

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