
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 Mueliso M Signature: 

in consultation with: S. Mchana Signature:

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

DATE COMPLETED: 28/02/2019

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.

ESKOM COPYRIGHT PROTECTED

When downloaded from the WEB, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorized version on the WEB.

Annex B
(continued)

1 Project description

Project name/Survey
Request Ganyesa ext Area Ganyesa
Project number File number
Rural scheme/
Feeder Haverock-Ganyesa Voltage 22 kV
Supply from
(scheme name, pole numbers for tee-off)
Supply to
(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 project is electrification of Ganyesa
Extensions houses at Molepo local munic.
The area is split into various sections. The
topography of the area is flat with other
sections that are close to the stream. Soil
is sandy and protected trees exist in some portion

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.**

ESKOM COPYRIGHT PROTECTED

Annex B
(continued)

4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER

Present condition: There is a stream which is dry

Potential impact (e.g. threat of pollution): altering of the bed, banks of the stream

4.2 Soil: sandy rocky clayey OTHER

Present condition: Soil in the area is currently covered by grass. Evidence of soil erosion exist in the area.

Potential impact (e.g. of erosion) Soil erosion, soil pollution

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: Other section have dongas while the rest is flat in slope

Potential impact (e.g. of erosion) Soil erosion, loss of soil fertility

Comments/mitigating measures:

All structures must be placed away from the dongas/eroded area. No vegetation removed to be undertaken in eroded areas so that the soil remain stabilised. Vehicles should not drive over the stream and dongas.

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

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

Camel thorn trees are protected and exist in the area.

Potential impact (e.g. permit applications) *cutting of protected trees*

requires a tree permit

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)

Small birds observed - possibility of vultures flying to the area cannot be ignored. meerkats observed.

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

is possible

Comments/mitigating measures:

Bird friendly structures must be used throughout the project.

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 *None. Area is residential*

Annex B
(continued)

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

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

Brief description power line will be easily seen

Potential impact increased visual 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 power line triggers National Heritage Act due to its length exceeding 300m

Comments/mitigating measures
Notification with SAHRA must be done timeously

7 Economic environment

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

Brief description Grazing of domestic animals is the current land use

ESKOM COPYRIGHT PROTECTED

Annex B
(continued)

Potential impact *Noise to the animals*

7.1.1 Commercial: factories shops **OTHER**

Brief description *None observed in areas to be electrified.*

Potential impact *None*

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

Brief description: *Gravel, for road and powerline*

Potential impact *Road crossing, potential power loss*

Comments/mitigating measures:

*ES - Survey must consult with relevant
state holder for road crossing.*

