
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 S. MCHUNU Assessor/s Signature: 

in consultation with: O. MABULA Signature:

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

DATE COMPLETED:

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 MADIBGO GAREENG Area MADIBGO/DEARBYSVILLE
 Project number File number
 Rural scheme/
 Feeder FRA Voltage 22 KV
 Supply from FRA 438, FRA 488-14-25 & FRA 466-4
 (scheme name, pole numbers for tee-off)
 Supply to GAREENG, MOSETLANE & TRAPING
 (Farm name, etc.)

2 Properties traversed

Farm name NO PRIVATE FARMS WERE TRAVERSED.
 Registration number and Division Sub-division
 Compilation number Line length (m) 4800 M
 Farm name
 Registration number and Division Sub-division
 Compilation number Line length/Site area (m²)

3 Brief description of the surrounding area

FLAT TOPOGRAPHY,
 SCATTERED SHRUBS, THORN TREES &
 INCLUDING A FEW CARMEL THORNS. ROCKY
 AND SANDY SOIL COMPOSITION DOMINATES
 THE SURROUNDING, A COMBINATION OF BRICK,
 MUD AND TIN HOUSES TO BE
 ELECTRIFIED IN THE AREA.

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: DEW STREAM IN THE VICINITY-

Potential impact (e.g. threat of pollution): STREAM BANKS MORE THAN 200m AWAY FROM EXCAVATION, MINIMUM THREAT OF POLLUTION.

4.2 Soil: sandy rocky clayey OTHER

Present condition:

Potential impact (e.g. of erosion)

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: THE AREA IS RELATIVELY FLAT. NO PRESENT SIGNS OF EROSION OBSERVED.

Potential impact (e.g. of erosion) MINIMAL IMPACT

Comments/mitigating measures: WELL ESTABLISHED VEGETATION SHOULD NOT BE DISTURBED.

USE EXISTING FIELD ACCESS TO AVOID CREATING MULTI-TRACKS.

PROPER COMPACTION AFTER PLACING OF NEW STRUCTURES-

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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) SWEET THORN AND CAMEL THORN TREES IN THE AREA

Potential impact (e.g. permit applications) NO PERMIT REQUIRED PROTECTED TREES WILL NOT BE DISTURBED.

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)

NO PROTECTED SPECIES ENCOUNTERED, CATTLE AND GOATS GRAZING IN THE VICINITY.

Potential impact (e.g. threat of electrocution, collision, etc.) MINIMAL THREAT OF INTERACTION

Comments/mitigating

measures:

CAMP GATES TO BE KEPT CLOSED WHERE APPLICABLE. OPERATE VEHICLES AT MODERATE SPEED TO AVOID COLLISIONS.

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 N/A

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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 AREA IS VISIBLE AND EASILY ACCESSIBLE. EXISTING FIED ACCESS DUE TO EXISTING NETWORK

Potential impact MINIMAL 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 N/A

Comments/mitigating measures

7 Economic environment

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

Brief description RESIDENTIAL AREA, DOMESTIC STOCK KEEPING (CATTLE, DONKIS AND GOATS)

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Potential impact N/A

7.1.1 Commercial: factories shops OTHER

Brief description NO COMMERCIAL ACTIVITY IN THE VICINITY.

Potential impact N/A

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

Brief description: GRAVEL ROAD, 22 KW POWERLINE NETWORK (MVA) AND TELEPHONE LINES VISIBLE IN THE AREA.

Potential impact POSSIBLE POWER INTERRUPTIONS DURING CONSTRUCTION PERIOD.

Comments/mitigating measures:
COMMUNICATE OUTAGE DATES IN ADVANCE WITH COMMUNITY LEADERS TO MINIMISE INCONVENIENCE.

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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

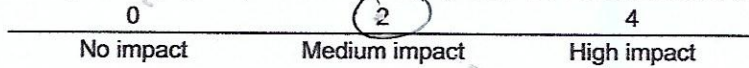
No impact (0) Medium impact (2) High impact (4)

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



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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