

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. MCHUN Assessor/s Signature: 

in consultation with: L.G. KADLO Signature: 

CAPACITY (e.g. land owner, specialist): WARD COMMITTEE MEMBER

DATE COMPLETED: 07-10-2022

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 LORETLWENS VILLAGE Area VRYSBURG - GANYESA
Project number File number
Rural scheme/
Feeder HG 9 Voltage 22KV
Supply from HG 5 338T-52-23-3-34 & HG 9 338T-40-20T-7-10
(scheme name, pole numbers for tee-off)
Supply to LORETLWENS VILLAGE
(Farm name, etc.)

2 Properties traversed

Farm name NO FARMS WERE TRAVERSED.
Registration number and Division Sub-division
Compilation number Line length (m) 800m
Farm name
Registration number and Division Sub-division
Compilation number Line length/Site area (m²)

3 Brief description of the surrounding area

SCATTERED THORN TREES AND CAMEL
THORN TREES PREDOMINANT IN THE
SURROUNDING RURA VILLAGE, BRICK HOUSES
AND TIN HOUSES TO BE ELECTRIFIED.

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4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER

Present condition: NO WATER FEATURES WERE ENCOUNTERED

Potential impact (e.g. threat of pollution): N/A

4.2 Soil: sandy rocky clayey OTHER

Present condition: THE SOIL COMPOSITION IS A COMBINATION OF SAND AND ROCK.

Potential impact (e.g. of erosion)

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: NO PRESENT SIGNS OF EROSION; DUE TO SURFACE BEING RELATIVELY FLAT.

Potential impact (e.g. of erosion) POTENTIAL IMPACT OF TOP SOIL DISPLACEMENT DUE TO RAIN AND VEHICLE ACTIVITY.

Comments/mitigating measures:
USE EXISTING ROADS AND PASSAGES DURING CONSTRUCTION.
LIMIT VEGETATION DISTURBANCE

CONSTRUCTION VEHICLES TO BE OPERATED AT MODERATE SPEED ON SITE.

ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

Unique Identifier: 240-72597722

Revision: 1

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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)

CAMEL THORN TREES TO BE AFFECTED.

Potential impact (e.g. permit applications)

OBTAIN BUSH CLEARING 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)

NO PROTECTED SPECIES WERE OBSERVED.

CATTLE, DONKES AND GOATS WERE OBSERVED.

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

THREAT OF STOCK COLLISION AND LOSS.

Comments/mitigating measures:

OPERATE VEHICLES AT MODERATE SPEED DURING CONSTRUCTION.

KEEP CAMP GATES CLOSED.

6 Social environment

N/A

6.1 Restricted areas: nature/game reserves hiking trails tourism routes parks recreational areas

Residential-areas green belts sacred/holy grounds OTHER

Brief description NO RESTRICTED AREAS IN THE VICINITY

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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 LINE ROUTE IS EASILY SEEN AND ACCESSIBLE.

Potential impact MINIMAL IMPACT SINCE THERE IS ALREADY POWER LINES ALL OVER THE VILLAGE

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 WITH DOMESTIC CROP AND SOAK FARMING.

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Potential impact

7.1.1 Commercial: factories shops OTHER

Brief description NO COMMERCIAL ACTIVITY

Potential impact N/A

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

Brief description: GRAVEL ROAD, 22KV MV & LV
NETWORK VISIBLE IN THE VICINITY.

Potential impact POWER OUTAGES MAY BE NECESSARY
DURING CONSTRUCTION.

Comments/mitigating measures:
ALERT POWERS USERS WELL IN
ADVANCE OF POWER INTERRUPTION SCHEDULES.
.....
.....
.....

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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