
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)

..... Reviewed 10/11/2021

Accepted by Land Owner/s/Users

I have seen the completed document and accept the
recommendations made

Form completed by **T. KEKAE** Assessor's Signature:

in consultation with: **R. Ndou** Signature:

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

DATE COMPLETED: **20/10/2021**

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
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1 Project description

Project name/Survey
 Request Dithakwaneng Electrification Area Vryburg
 Project number File number
 Rural scheme/
 Feeder Voltage Electrification
 Supply from
 (scheme name, pole numbers for tee-off)
 Supply to BWL 354/69 , BWL 361/9
 (Farm name, etc.)

2 Properties traversed

Farm name DITHAKWANENG VILLAGE
 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

Residential 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: A river observed onsite.

Potential impact (e.g. threat of pollution): Pollution and degradation -
Adhere to EMPR mitigation measures

4.2 Soil: sandy rocky clayey OTHER

Present condition: Sandy in some areas and rocky

Potential impact (e.g. of erosion) Erosion

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: flat area

Potential impact (e.g. of erosion)

Comments/mitigating measures:
Adhere to the mitigation measures stipulated on the EMPR Environmental Section will develop

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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 and protected trees identified.

Potential impact (e.g. permit applications)
No protected trees will be disturbed by the project.

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 Vulnerable animals & birds identified with potential of birds to visit the area because of the river

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

Comments/mitigating measures:
Use only bird friendly structures.
.....
.....

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 Residential area;
.....

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Potential impact e.g. threat of encroachment, etc.

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

Brief description The proposed project is inside the village and will be hidden by existing electrical infrastructure.

Potential impact No impact

6.3 Natural heritage: cultural significance graves archaeological objects meteorites monuments ruins palaeontological objects 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 Graves identified and project is not affecting them

Comments/mitigating measures SAHRA has to be notified and adhere to mitigation measures on the EMP

7 Economic environment

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

Brief description Residential area.

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Potential impact None

7.1.1 Commercial: factories shops OTHER

Brief description None affecting the project
Potential impact

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

Brief description: Existing powerlines, Communal water pipe lines and roads exist.

Potential impact Electrocution, breaking pipelines and MVAs

Comments/mitigating measures:
Adhere to Speed limit and proper Clearance and Safety measures to be taken into proper consideration.
Adhere to safety and environmental policy.

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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 _____