

**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

*Rules* 16/07/2014

(one signature please)  
Accepted by Land Owner/s/Users

*B.T. MATHANGU*

I have seen the completed document and accept the  
recommendations made

*A. SECRETARY*

**Assessor/s**

Form completed by

*A. Neethling*

Signature:

*[Signature]*

in consultation with:

*B.T. Mathangu*

Signature:

*[Signature]*

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

*Chief's Secretary*

DATE COMPLETED:

*14/05/2014*

**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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DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE

**ENVIRONMENTAL IMPACT ASSESSMENT AND WATER USE FOR DISTRIBUTION ACTIVITIES**

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*T.J. Matswana*

I have seen the completed document and accept the recommendations made

*Amarhole Kamotshanti*

**Assessor/s**

Form completed by

*A. Neethling*

Signature:

*[Signature]*

in consultation with:

*T.J. Matswana*

Signature:

*[Signature]*

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

*Chief*

DATE COMPLETED:

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**Annex B**

(continued)

**1 Project description**

Project name/Survey *Vadacom*  
 Request ..... Area *Elandsdoorn*  
 Project number *Pieterskraal* ..... File number .....  
 Rural scheme/  
 Feeder *Amandla* ..... Voltage *22 kV*  
 Supply from *AM344/6/11/10* .....  
 (scheme name, pole numbers for tee-off)  
 Supply to *AM344/6/11/58* .....  
 (Farm name, etc.)

**2 Properties traversed**

Farm name *Palmietgat*  
 Registration number and Division *34 JR* ..... Sub-division *2*  
 Compilation number *2528BB* ..... Line length (m) *5.009 km*  
 Farm name .....  
 Registration number and Division ..... Sub-division .....  
 Compilation number ..... Line length/Site area (m<sup>2</sup>) .....

**3 Brief description of the surrounding area**

*Pieterskraal in the Siyabushwa area. Powerline makes a T-off in village area near houses crosses a gravel road then moves ± 40m parallel with that gravel road towards a tar road and bends to move ± 40m with that tar road line then moves into new village to supply next to a school.*

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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**Annex B**  
(continued)

**4 Physical environment**

4.1 Water: streams rivers dams wetlands Springs floodplains OTHER  
...N/A.....

Present condition: N/A. *Dry streams*

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

4.2 Soil: sandy Rocky clayey OTHER .....

Present condition: *Hard with rock*

Potential impact (e.g. of erosion) *N.A*

4.3 Topography mountains ridges hills Valley Ravines dongas OTHER .....  
s

Present condition: *E1aA*

Potential impact (e.g. of erosion) *N.A*

Comments/mitigating measures:  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

**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) .....

Potential impact (e.g. permit applications) *No Permit* .....

*Sclerocarya birrea subsp. caffra* .....

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)

*N.A.* .....

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

*N.A.* .....

Comments/mitigating measures:  
.....  
.....  
.....  
.....

**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 *Area with stand and houses* .....

Annex B  
(continued)

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

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

Brief description *Next to stands and in bush*.....

Potential impact *N.A*.....

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 *None*.....

Comments/mitigating measures *N.A*.....

7 Economic environment

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

Brief description *None*.....

Annex B

(continued)

Potential impact ..... *N.A.* .....

7.1.1 Commercial: factories Shops OTHER .....

Brief description ..... *None* .....

Potential impact .....  
.....  
.....

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

Brief description: ..... *Gravel road* .....  
..... *MV power lines* .....

Potential impact ..... *N.A.* .....  
.....  
.....

Comments/mitigating measures:  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
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Annex B  
(continued)

What impact will this project have on elements 4 to 7?

1. Physical

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

2. Natural

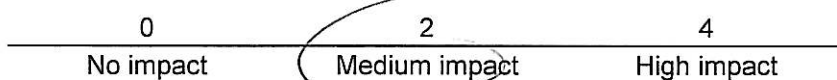
No impact (0)      Medium impact (2)      High impact (4)

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 \_\_\_\_\_ line exceeds 200m