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**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 Mueliswa M. Signature: [Signature]

in consultation with: Bocaba S. Signature: .....

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

DATE COMPLETED: 07/11/2028

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**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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**Annex B**

(continued)

**1 Project description**

Project name/Survey .....

Request *Dept AGRI, control of enviro* Area *Tenny* .....

Project number *TUC 2313 75874* File number .....

Rural scheme/ .....

Feeder *Maxim Margaret* Voltage *22 kV* .....

Supply from *NM01-7* .....

(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 (m<sup>2</sup>) .....

**3 Brief description of the surrounding area**

*The project is located south east of Tenny with Greater Tenny local municipality. It is inside Tenny skull heritage site. Previous mining activities resulted in mine dumps and stock piles. A river runs close by the project area throughout the heritage site. Indigenous bees exist mostly 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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Annex B (continued)

4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER .....

Present condition: A river runs through the heritage site but it is currently dry in most part observed

Potential impact (e.g. threat of pollution): No river crossing will be done. The river is more than 100m away

4.2 Soil: sandy rocky clayey OTHER .....

Present condition: Soil condition is rocky outcrops with limited grass cover

Potential impact (e.g. of erosion) Soil erosion if disturbed

4.3 Topography mountains ridges hills valleys ravines dongas OTHER .....

Present condition: Part of the surrounding slope is hilly due to mine dumps, whereas other part is mountains

Potential impact (e.g. of erosion) None

Comments/mitigating measures:

The underground cable will run along the tar road. Trenches dug must be backfilled appropriately and compacted to stabilise the disturbed area.

**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) .....  
*Indigenous plant species in surrounding environment.*

Potential impact (e.g. permit applications) .....

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)  
*Rock Hyrax, Baboons and birds from small to big and vultures are protected*

Potential impact (e.g. threat of electrocution, collision, etc).....  
*None because the power line will be under ground cable.*

Comments/mitigating measures:  
*Trenches dug must be clearly demarcated and barricaded if they cannot be closed immediately*

**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 *Heritage Site*

**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 not be seen because it is underground cable*

Potential impact *None*

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 *Permit required to construct because area is a heritage site*

Comments/mitigating measures *Apply for permit at SAHRA prior to construction.*

**7 Economic environment**

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

Brief description *Previously used for mining, currently protected and used for heritage and tourism value.*

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**Annex B**  
(continued)

Potential impact *None due to current land use and surrounding*

**7.1.1 Commercial:** factories shops OTHER .....

Brief description *None*

Potential impact *None*

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

Brief description: *Two road and power line exist*

Potential impact *Road crossing and possible power outage*

**Comments/mitigating measures:**

*Relevant authority must be notified about road crossing. Notify affected parties about possible power loss/outage*

**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

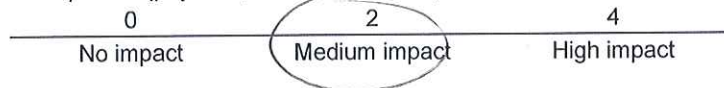
No impact (0)      Medium impact (2)      High impact (4)

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 yes  
No \_\_\_\_\_

**Detailed study**

Is an *environmental assessment* required in terms of Regulation R543?

Yes \_\_\_\_\_  
No NO

Should a permit application be made to DWA?

Yes \_\_\_\_\_  
No no

Should the SAHRA be notified?

Yes yes  
No \_\_\_\_\_

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