

**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) *OWNERS*

Accepted by Land ~~Owners~~ *Users* .....

I have seen the completed document and accept the  
recommendations made .....

Form completed by *LIZO NTILA* Assessor/s Signature: *[Signature]* .....

in consultation with: *KHULISO RBIMPHI* Signature: *[Signature]* .....

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

DATE COMPLETED: *19 August 2019* .....

**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**  
(continued)

**1 Project description**

Project name/Survey REFURBISHMENT OF  
 Request 11KV AWLR OVERHEAD LINES Area ESKOM KRIEL POWER STATION  
 Project number ..... File number .....  
 Rural scheme/  
 Feeder ..... Voltage 11KV  
 Supply from 11KV station board H  
 (scheme name, pole numbers for tee-off)  
 Supply to 11KV AWLR boards  
 (Farm name, etc.)

**2 Properties traversed**

Farm name Rem. REMAINING OF KRIEL POWER STATION 65-IS  
 Registration number and Division ..... Sub-division .....  
 Compilation number ..... Line length (m) 1300 METRES  
 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 AREA IS WITHIN THE POWER STATION, WITH  
PREDOMINANTLY GRASSLAND WITH SCATTERED PLANTED  
TREES. THERE IS A HIGH VOLTAGE YARD  
 .....  
 .....

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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(continued)

**4 Physical environment**

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

Present condition: THE LINE CUTS ACROSS A GRASSLAND ENVIRONMENT  
WITHIN THE POWER STATION

Potential impact (e.g. threat of pollution):  
.....  
.....  
.....

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

Present condition: CLAY SOIL AREA WITH GRASS

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

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

Present condition: NO RISK OF EROSION

Potential impact (e.g. of erosion) NONE FORESEEN

Comments/mitigating measures:

STATION EMP TO BE ENFORCED  
.....  
.....  
.....  
.....

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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) THESE ARE TREES IN THE SURROUNDING ENVIRONMENT AS DESCRIBED. HOWEVER, THEY ARE

Potential impact (e.g. permit applications NO TREES WILL BE REMOVED)

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)

Potential impact (e.g. threat of electrocution, collision, etc.) NONE FORESEEN

Comments/mitigating STATION EMP TO BE COMPLETED WITH REGARDING THE MANAGEMENT OF FAUNA AND FLORA 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 THE AREA IS AN INDUSTRIAL AREA

**ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES**

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Potential impact e.g. threat of encroachment, etc. *NONE FORESEEN*

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

Brief description *THE ACTIVITY IS WITHIN THE POWER STATION. THERE ARE ALREADY EXISTING ELECTRICITY PYLONS THAT ARE MORE PROMINENT IN THE AREA*

Potential 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

Comments/mitigating measures

*IN THE EVENT THAT ANY FOSSIL OR HERITAGE VALUED ITEM IS DISCOVERED, THE SENIOR ADVISOR SHALL STOP THE WORKS AND REPORT THE CASE TO THE SAHRA OFFICE.*

**7 Economic environment**

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

Brief description *THE AREA OF THE ACTIVITY IS WITHIN THE POWER STATION*

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Potential impact ..... *NONE FORESEEN* .....

**7.1.1 Commercial:** factories shops OTHER ..... *N/A* .....

Brief description ..... *N/A* .....

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

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

Brief description: ..... *THERE ARE EXISTING POWERLINES WITHIN  
SOME SECTIONS OF THE STRETCH AS WELL AS  
THE CONTRACTORS YARD* .....

Potential impact ..... *NONE FORESEEN* .....

**Comments/mitigating measures:**  
.....  
..... *CAPE SHOULD BE TAKEN* .....

