



**Annex A**  
(informative)

***Distribution environmental screening document (DESD)***  
**Reticulation Powerlines and Ancillary Services**

Ratified and accepted by  
Environmental Practitioner  
Environmental Specialist  
Head of Engineering Survey  
(one signature please)

*[Signature]* 26 June 2011

Accepted by Land Owner/s/Users .....  
I have seen the completed document and accept the  
recommendations made .....

Form completed by N. Khouckh Assessor/s Signature: *[Signature]*  
in consultation with : ..... Signature: .....  
CAPACITY (e.g. land owner, specialist): .....

**Instructions**

1. Fill the report in as neatly and completely as possible.
2. Where the question / statement is not applicable mark N/A.
3. The form must be completed in consultation with someone who knows the area well and who can also predict if any future development is envisaged (e.g. a land owner, land user, specialist, etc.).
4. Indicate sensitive areas on a map and/or spanning plans.
5. When in doubt, consult the Environmental Practitioner in your region.

The purpose of this *DESD* is to:

1. Determine whether or not the project should be subject to R1183, published in terms of the Environment Conservation Act No. 73 of 1989.
2. Identify and mitigate the negative impact of Eskom's activities to a minimum in line with both Legislation and Eskom's Environmental Policies.
3. 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.

**PROCEDURE FOR ENVIRONMENTAL ASSESSMENT OF RETICULATION AND SUB-TRANSMISSION PROJECTS: ANNEX Q OF CAPITAL INVESTMENT IN THE DISTRIBUTION BUSINESS**

REFERENCE REV  
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**Annex A**  
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**1 Project description**

Project name/Survey  
Request ..... Area BARLEY WEST  
Project number CBW 34118 ..... File number .....  
Rural scheme/  
Feeder Klipdrif - Holsdam. ..... Voltage 22kV  
Supply from .....  
(scheme name, pole numbers for tcc-off)  
Supply to .....  
(Farm name, etc.)

**2 Properties traversed**

Farm name BAHMOPE FARM .....  
Registration number and Division ..... Sub-division .....  
Compilation number ..... Line length/Site area (m<sup>2</sup>) 2,506km .....  
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**

It is a farm used for grazing and crop plantation, the farm is situated next to railway and main road (R81)  
.....  
.....  
.....

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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RETICULATION AND SUB-TRANSMISSION PROJECTS: ANNEX Q OF  
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**Annex B**  
(continued)

**4 Physical environment**

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

Present condition: *No dams were noted during environmental site visit*

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

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

Present condition: *Dry*

Potential impact (e.g. of erosion) *No threat*

**4.3 Topography** mountains ridges hills valleys ravines dongas OTHER *Gently flat*

Present condition: .....

Potential impact (e.g. of erosion) *None*

Comments/mitigating measures:

.....  
.....  
.....  
.....  
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.....  
.....

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**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) .....

..... shrubs and bushes .....

Potential impact (e.g. permit applications) ..... No permit needed .....

..... a tree cutting permit from DENC will be required. ....

**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)

..... cattle .....

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

Comments/mitigating measures:

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**Annex B**  
(continued)

**7 Economic environment**

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

Brief description *mainly grazing and crop plant-  
ation farm.*

Potential impact *minimum impact*

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

Brief description *the line will run in between  
next to the road supermarket and  
an African manufacturer*

Potential impact *none*

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

Brief description: *between telecommunication line  
and the railway lines*

Potential impact *none*

**Comments/mitigating measures:**

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**Annex B**  
(continued)

**7.1.3 Impact**

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

1. Physical

Low impact (0)  Medium impact (2) High impact (4)

2. Natural

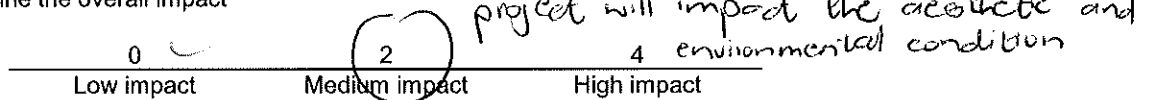
Low impact (0)  Medium impact (2) High impact (4)

3. Social

Low 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 Practitioner or specialist.

**Alternatives**

Have alternative routes been discussed with the relevant land owner/s or users?

Yes   
No

**Detailed study**

Is an *environmental scoping* required in terms of Regulation 1183?

Yes   
No  *no environmental scoping is not required.*

Should the SAHRA be notified?

Yes   
No  *SAHRA notification will be lodged.*

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**Annex B**  
(continued)

**Environmental Management Plan**

**1 General conditions**

- 1.1** The Eskom project manager or co-ordinator shall be responsible for ensuring that the land owners have been informed before any work is carried out on site. Contractors shall find out if the landowners have been informed before moving onto site.
- 1.2** No fences, gates or locks shall be damaged to obtain access onto a line route. Arrangements shall be made in advance to obtain permission for access.
- 1.3** Use of private roads shall be arranged in advance. Any damage to private roads shall be repaired at the contractor's expense and to the satisfaction of the landowner. This shall be the responsibility of the project manager or co-ordinator.
- 1.4** Gates shall be left as they are found, i.e. closed gates shall be kept closed and open gates shall be left open. Gates to adjacent properties or onto public roads shall be closed at all times. Any Eskom gates installed on the line route shall be kept closed and locked except while stringing is taking place. Open gates shall be guarded to prevent animals straying and unauthorised persons and vehicles entering into adjacent camps or properties.
- 1.5** Permission shall be obtained from landowners before any water is used.
- 1.6** No fires shall be lit on private property. If fires are lit on Eskom's property or in the construction camp, provision shall be made that no accidental fires are started. No firewood shall be collected in the veld.
- 1.7** If activities that can cause a fire are carried out, fire extinguishers shall be available on site and in the construction camp.
- 1.8** No property may be accessed after normal working hours except with the permission of the landowner. Privacy shall be respected at all times.
- 1.9** Eskom, Eskom's contractors and their employees shall at all times be courteous towards landowners, tenants and the local community.
- 1.10** Eskom, Eskom's contractors and their employees shall not cause damage to property, crops or animals. Activities that may cause conflict with landowners, tenants, the local work force or the local community shall be avoided. Should conflict arise it shall be immediately reported to the Eskom project manager or co-ordinator.
- 1.11** Vehicles shall be driven at a moderate speed on private roads and stay within the statutory speed limit on public roads.
- 1.12** All movement of vehicles shall take place on the established Eskom servitude road or on private roads as agreed in advance. Keep to existing tracks. No movement shall take place through the veld. Special care shall be taken to prevent excess damage during wet weather.



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- 1.13 If any vehicle should get stuck, the damage shall be repaired immediately so that no deep ruts remain.
- 1.14 Any damage to private property shall immediately be reported to Eskom and the owner. The damage shall be rectified immediately if possible and/or appropriate compensation shall be paid to the owner at the discretion of the project manager/co-ordinator in consultation with the property owner. A record of damages and rectifying action shall be kept. The landowner's satisfaction with the outcome of rectifying action shall be obtained in writing.
- 1.15 A proper system of waste management shall be instituted in the construction camp. This entails that sufficient waste bins are available on site and in the construction camp. The waste shall be dumped at an approved waste disposal site. No containers, scrap metal, conductor etc. shall be left on site.  
  
All scrap shall be removed and taken to an appropriate disposal site. No oil, diesel or other chemicals shall be spilled or discarded anywhere. If an accidental spill occurs, it shall be reported immediately and cleaned to the satisfaction of Eskom and the landowner. No waste shall be left in the veld or on the line route.
- 1.16 Washing and toilet facilities shall be provided on site and in the construction camp. The facilities shall comply with Eskom standards and shall have the approval of the landowner.
- 1.17 No human excrement shall be left in the veld. If no toilet facilities are available such waste shall be buried *immediately*.
- 1.18 Herbicides shall only be applied with Eskom's permission and in accordance with the Eskom Policy on Herbicides ESKPBAAD4.
- 1.19 Camp and office sites shall be dismantled and removed after completion of the construction phase of the project. The site shall be rehabilitated to as close as possible to its original condition to the satisfaction of the landowner, which shall be in writing.
- 1.20 All excavations shall be enclosed to prevent animals or people from accidentally falling into excavations.
- 1.21 No trees shall be cut or removed without prior permission from the landowner. Permits shall be obtained for the cutting and removal protected trees (protected trees shall be dealt with in 2, **Special conditions**).
- 1.22 Should any natural heritage object be found, or exposed during excavations, all work shall be terminated immediately and the finding reported to the Project Manager who shall inform the Eskom Environmental Practitioner and the SAHRA.

**2 Special conditions**

(Specific issues identified during the scoping as needing attention i.e. erosion berms, bird flappers, protected trees. etc.).

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On-Site Review				
Project name	Gong gong communal property association			
Project No	Gong gong communal property association			
	Survey Finding	Enviro Finding	Comment	Applicable Act
Line/Cable Length (m)	2.5 km	2.5 km	SAHRA notification required.	National Heritage Act
Affected Environment (residential/commercial/public open space)	Grazing/farming	Grazing/farming		
Water Resource	Is activity 32m from Water Resource?		Sandy soil. No water courses noted.	National Water Act
	No	No		
Flora	Will vegetation be required to be cut down along the route?		Yes. A permit from DENG is required.	
	No	Yes		
	Will any rare, threatened, protected & endangered plant species be affected by construction/operation of project?		None affected by the proposed development.	
	No	No		
	Is a tree cutting permit required from DWAF?		Not required. No trees that are protected nationally occur where development is proposed.	National Forest Act
	No	No		
Fauna	List wildlife species that utilise the site			
	None	None		
	Will there be any intercation with large mammals?		N/A	NEMBA
	No	No		
	Are there any rare, threatened, protected & endangered animal species on site?		N/A	NEMBA
	No	No		
	Will the proposed project pose a risk of electrocution/collision on big birds/vultures?		N/A	NEMBA
	No	No		
	Will any special clearance required?		N/A	
	No	No		
	Are bird flight diverters recommended?			
	No	No		
	Are bird guards recommended?			
	No	No		
Protected Areas	Are there any protected areas on/close to site?			
	No	No		
Visual Impacts	Will the project impact on aestehetic quality of the area?			
	No	Yes		
	Are there any Heritage/cultural resources on the proposed site?		The powerline will change the aesthetic of the environment where development will occur.	
	Yes	No X		
Overall Impact Assessment	Rating (0-4)		0 0-Low x 2 2-Medium 4 4-High	
	Physical	2		
	Natural	2		
	social	2		