

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

Form completed by

freedom khongile

Assessor's

Signature:

Freedom Khongile

in consultation with:

X W.F. De Jager

Signature: X

W.F. De Jager

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

X

Owner

DATE COMPLETED: X 01/07/2014

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.

DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE
ENVIRONMENTAL IMPACT ASSESSMENT FOR
DISTRIBUTION ACTIVITIES

Unique Identifier: 34-926
Type: DPC
Revision: DRAFT 0A
Page: 2 of 8

Annex B
(continued)

1 Project description

Project name/Survey
Request W.F. DE JAGER. Area CAROLINA
Project number BC119400351 File number
Rural scheme/
Feeder T.H. LUTJESSE Voltage 22KV FEEDER.
Supply from
(scheme name, pole numbers for tee-off)
Supply to LUSTHOF
(Farm name, etc.)

2 Properties traversed

Farm name LUSTHOF
Registration number and Division 60 IT Sub-division 5160
Compilation number 2630 ABS 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

- covered by grasses and there are cattle
grazing
near gravel road to R33.
- on the farming 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.

ESKOM COPYRIGHT PROTECTED

Annex B
(continued)

4 Physical environment

4.1 Water: streams rivers dams wetlands springs floodplains OTHER *none*Present condition: *none*

Note: No page to be placed within 100m of a watercourse (stream, river & dam) or 500m from a wetland. The Environmental Management Officer must be consulted.

Potential impact (e.g. threat of pollution): *none*4.2 Soil: *sandy* rocky clayey OTHERPresent condition: *Good*Potential impact (e.g. of erosion) *low erosion*4.3 Topography mountains ridges hills *valleys* ravines dongas OTHERPresent condition: *Good*Potential impact (e.g. of erosion) *low erosion*

Comments/mitigating measures:

no comment

DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE
ENVIRONMENTAL IMPACT ASSESSMENT FOR
DISTRIBUTION ACTIVITIES

Unique Identifier: 34-926
Type: DPC
Revision: DRAFT 0A
Page: 4 of 8

ESKOM COPYRIGHT PROTECTED

DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE
ENVIRONMENTAL IMPACT ASSESSMENT FOR
DISTRIBUTION ACTIVITIES

Unique Identifier: 34-926
Type: DPC
Revision: DRAFT 0A
Page: 5 of 8

Annex B
(continued)

5 Natural environment

5.1 Flora: indigenous protected exotic OTHER *grasses*

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass) *grasses*

Potential impact (e.g. permit applications) *no permit*

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)
birds / cattle

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

Comments/mitigating measures:
n.o. comment

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 *farming area*

Brief description *Cattle grazing*

Annex B

(continued)

Potential impact e.g. threat of encroachment, etc. *no threat*6.2 Visual aesthetics: *easily seen* hidden partially.....Brief description *Can be seen from a distance (100m)*Potential impact *none*

6.3 Natural heritage:

cultural significance	archaeological objects	monuments	palaeontological objects
graves	meteorites	ruins	OTHER <i>none</i>

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

none

7 Economic environment

7.1 Land use:

crops	orchards	<i>grazing</i>	crop spraying
game farming	forestry areas	mining	OTHER

Brief description *Cattle*

DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE
ENVIRONMENTAL IMPACT ASSESSMENT FOR
DISTRIBUTION ACTIVITIES

Unique Identifier: 34-926
Type: DPC
Revision: DRAFT 0A
Page: 7 of 8

Annex B
(continued)

Potential impact *none*

7.1.1 Commercial: factories shops OTHER *none*

Brief description *none*

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

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

Brief description: *Eskom power lines*

Potential impact *none*
.....

Comments/mitigating measures:
..... *no comment*
.....
.....
.....

ESKOM COPYRIGHT PROTECTED

DOCUMENT CLASSIFICATION: CONTROLLED DISCLOSURE
ENVIRONMENTAL IMPACT ASSESSMENT FOR
DISTRIBUTION ACTIVITIES

Unique Identifier: 34-926
Type: DPC
Revision: DRAFT 0A
Page: 8 of 8

Annex B
(continued)

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

0 2 4
Low 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

ESKOM COPYRIGHT PROTECTED