

**DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENT (DESD)
FOR
RETICULATION POWERLINES AND ANCILLARY SERVICES**

(REFERENCE: ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES, Draft Version, DPC 34-926)

Project Nr: KMND0468934 Location: Kakamas

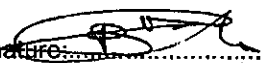
DESD Form completed by:

Engineering Surveyor
Environmental Practitioner
Environmental Advisor
Customer Exec/ Advisor

Other:

Accepted by Land Owner/s/Users

(Declaration by Land Owner/ User/ Manager) I have seen the completed document and accept the recommendations made in this DESD.

DESD Form completed by B. Khunolo (Name & Surname) Signature: 

in consultation with X STEPHANUS ESAIAS ZAATMAN Signature: X 

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

DATE DESD FORM COMPLETED:

INSTRUCTIONS

1. The DESD must be completed before survey in order to consider alternatives.
2. Fill the report in as neatly and completely as possible.
3. Please COMPLETE ALL REQUIRED INFORMATION and where the question / statement is not applicable mark N/A.
4. DESD forms must be accompanied by a locality map with a project drawing.
5. Indicate sensitive areas on a map and/or spanning plans.
6. In order to speed up the ratification process, it is useful to attach photos of any sensitive features or of anything you are not sure of for clarification.
7. When in doubt, consult the Environmental Practitioner in your region.
8. On completion, the DESD and all supporting documents must be scanned and e-mailed to Theresa Anders. A hardcopy must be sent to her as well.

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 (Subjected to an Environmental Impact Assessment (EIA) process).
- 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.

1. PROPERTY DESCRIPTION (Complete in full!)

Project name/ nr Ebaereser Bedyer Area Kakamas

Project number 10MN120468934

Rural scheme/Feeder TAAIPUT-AUGRABIES Voltage 22kV

Supply from
(scheme name, pole numbers for tee-off)

Supply to Erf 2217 (Farm name, etc.)

GPS coordinates of property

2. PROPERTIES TRAVERSED

Farm name Erf 2263

Registration number and Division Kenhardt Erf 2263 Sub-division

Compilation number Line length (m) 60m

Farm name ERF 2217

Registration number and Division Kenhardt ERF 2217 Sub-division 2217

Compilation number Line length/Site area (m²) 420m

3. BRIEF DESCRIPTION OF SURROUNDING AREA (Supplement with photos where necessary)

Proposed powerline to in Kakamas area about 1,5 km from Orange river south of the N14.

4. PHYSICAL ENVIRONMENTAL IMPACTS, ASPECTS AND MITIGATION

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.**

4.1 Water: streams rivers dams wetlands springs floodplains OTHER

Present condition: Very dry

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

4.2 Soil: sandy rocky clayey OTHER

Present condition: Good

Potential impact (e.g. of erosion) low

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition: Good

Potential impact (e.g. of erosion) low

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

5 NATURAL ENVIRONMENT

5.1 Flora: indigenous protected exotic OTHER

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass)
No permits needed

Potential impact (e.g. permit applications)
low

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.)
low

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

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

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

Brief description *Not visible from N14*

Potential impact *Low*

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 *line exceeds 300 m*

Comments/mitigating measures

..... *Notify SAHRA*

7 ECONOMIC ENVIRONMENT

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

Brief description

Potential impact *Low*

7.1.1 Commercial: factories shops OTHER

Brief description

Potential impact

7.1.2 Infrastructure: roads railways communications power lines air fields

pipelines sewage OTHER

Brief description: *Jointing Exten 22kV*

Potential impact: *Low*

Comments/mitigating measures:

IMPACT OF PROJECT?

What impact will this project have on elements 4 to 7 (Circle applicable answer)?

- 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)

ALTERNATIVES

Have alternative routes been discussed with the relevant land owner/s or users? YES NO

CHECKLIST (Please try to answer all below. It is useful to ask the land owner as well, as they know their properties best as well as the surrounding environment)

CHECKLIST ITEM	YES	NO	CHECKLIST ITEM	YES	NO
Is the powerline longer than 300m?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Will any portion of project be cabled through veld/ natural vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is any portion of the powerline within 32m of a watercourse/ stream?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will any portion of project be cabled through a river-bed/ stream?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is any portion of the powerline within 500m of a wetland (seasonal or permanent)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Are new access roads needed to maintain & operate the powerline?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is any portion of the powerline or proposed activity within 100m of the high-water mark of the sea/ estuary/ lagoon?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Are there any protected trees/ heritage trees along the powerline or close to it?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is any property affected a nature reserve or conservancy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will natural/ indigenous vegetation have to be removed prior to construction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the powerline be going through or adjacent to a forest/ plantation area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will any trees need to be cut/ cleared/ pruned to accommodate the powerline?	<input type="checkbox"/>	<input checked="" type="checkbox"/>