

Annexure B - Distribution Environmental Screening Document (DESD)
(Informative)

Reticulation Powerlines and Ancillary Services

Ratified and accepted by

Environmental Practitioner/ Senior Environmental Advisor
Survey
(one signature above please)

Accepted by Land Owner/s/Users
(Kindly cross-out what is non-applicable)

Landowner/land-user declaration

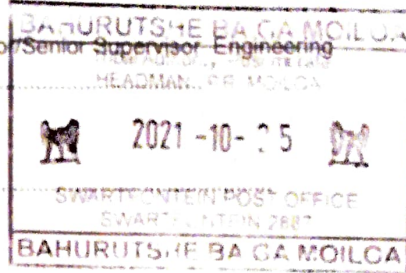
I have seen the completed document and accept the
recommendations made

Form completed by

in consultation with

CAPACITY (e.g. land owner, specialist)

DATE COMPLETED



B Rakote

Assessor/s

Signature

Signature

HEADMAN

Instructions

1

GUIDELINE TO DESD COMPILERS

1. PURPOSE

The purpose of this DESD is to

- Determine whether or not the project triggers a listed activity in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended in the latest Environmental Impact Assessment Regulations, and thus require an Environmental Authorisation before construction can commence.
- Identify and mitigate the negative impact of Eskom's activities to a minimum in line with both Legislation and Eskom's Environmental Policies.
- Inform route selection and engineering design.
- Provide opportunity for alternative selection of routes upon assessment of impacts on proposed location and provide mitigation measures.

2. INSTRUCTIONS AND SUBMISSION PROCESS

- 2.1 The DESD must be completed on site, ensure that all three (3) alternatives are assessed. Mark the appropriate box with an 'x' where applicable.
- 2.2 Please COMPLETE ALL REQUIRED INFORMATION and where the question / statement is not applicable mark N/A.

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DESD forms must be accompanied by a locality map with a project drawing and photographs of the site.

Indicate sensitive areas on a map and/or spanning plans.

DESDs must be **scanned and e-mailed with supplementary information** to the following people:

- i. To the responsible Head of Survey or Senior Supervisor Engineering Survey who issued work / TO (and copy environmental section). A hardcopy must be sent to Senior Supervisor Engineering Survey.

APPROVAL OF DESDs AND FEEDBACK TO CONTRACTOR/ CNC

Step 1: Head of Survey or Senior Supervisor Engineering Survey will register the DESD submission and forward the DESD and supplementary information to Environmental Management

Step 2: Environmental Management has 5 days to approve/ reject the DESD or to seek additional information. During this time the DESD will be evaluated, the impact of the project assessed and mitigation measures identified.

Step 3: Feedback on the DESD will be given by returning (i) a ratification sheet, and (ii) an Environmental Management Plan

Step 4: Head of Survey or Senior Supervisor Engineering Survey will forward the above documentation with the spanning sheets, way-leaves and/or statutory approvals (if applicable) to the relevant Project Engineering Designer

Step 5: The Project Engineering Designer shall ensure that the DESD and documents specified in Step 3 above is included in the Project Package that is given to the contractor and relevant CNC. These documentation must form part of the project specification to the project engineering designer and contractor (to the CNC if not constructed by a contractor).

Step 6: The Project Execution representative shall inform Environmental Management of construction start 5 days in advance.

Step 7: Environmental Management will randomly select 2 to 5 projects per month to audit compliance with ratification conditions and EMP. The NCR process will be followed for non-compliance.

4. ADDITIONAL INFORMATION NEEDED WITH DESD SUBMISSION

Additional supplementary information is required to apply for relevant permits from authorities and to adequately assess the DESD. Note that DESDs submitted with no supplementary information might be delayed and/or rejected. The following must accompany the DESD application. Please indicate what supplementary information has been submitted with DESD.

SECTION A: PROJECT SCOPE AND ADDITIONAL INFORMATION

1. PROPERTY INFORMATION (PLEASE COMPLETE IN FULL)

Area/ Town:	ZEBELUST		
Municipality:	RAMOTSHERE MOILOA		
Rural Scheme Feeder:	MMP		
Voltage:	22KV		
Supply from (Scheme name, pole numbers for tee-off):	MMP 304-36-24-7 MMP 304-36-72-15		
Erf or Farm Name and Nr etc. (property for which application is made)	FARM DRIEFONTEIN 7-10 (THE RE)		
Street Address :	DRIEFONTEIN		
GPS Coordinates of Property (A logical centre point. Format based on WGS84):			
Extent of Property (Hectares):	2089.1458 H		
Land Use (e.g. Agricultural, Residential, Industrial, etc.):	MIXED USE		
Land Owners Telephone Nr:	(Home)	(Cell)	(Fax)
Land Owners Email Address:	0786242634		
Total Length of Line (m)	2 km		

2. PROPERTIES TRAVERSED

Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		Line Length (m):	
Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		Line Length (m):	
Farm Name:			

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Supplementary Information	Not Applicable	Attached to Application?	
		Yes	No
Locality Map			
GPS coordinates of sensitive features (river crossings, wetlands, trees, graves, old structures or buildings, etc.)		Lat: 25° 08' 32.4261 S Long: 25° 56' 50.775 S	
Photographs of site (location of proposed infrastructure within the surrounding environment)			
Photos of trees to be removed (if trees need to be removed please take a photo of the tree and a close up of a branch of the tree in order to identify the tree)			
Development Environmental Authorisation (eg. Vodacom, municipal housing development, etc.)			
GPS coordinates of location of new infrastructure (start, middle and end)		Lat 25° 08' 40.7097 S Long 25° 57' 05.5616 S	
Any other supplementary information supplied?			

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Street Address :	DRIEFONTEIN		
GPS Coordinates of Property (A logical centre point. Format based on WGS84):			
Extent of Property (Hectares):	2089.1458 H		
Land Use (e.g. Agricultural, Residential, Industrial, etc.):	MIXED USE		
Land Owners Telephone Nr:	(Home)	(Cell)	(Fax)
Land Owners Email Address:	0786242674		
Total Length of Line (m)	2 km		

2. PROPERTIES TRAVERSED

Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		Line Length (m):	
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Long: 25° 56' 50.775 S

Lat 25° 08' 40.7097 S
Long 25° 57' 05.5616 S

Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		Line Length (m):	

3. PROJECT SCOPE AND SUPPLEMENTARY INFORMATION

Give a brief description of the project scope, including all activities anticipated:				
Will the power line/ cable be 300m or longer? (Y/N)	YES	✓	NO	
Will the line be near any old structures or buildings or known historical towns.	YES		NO	
Are there any marked or unmarked graves on the route/ or on site?	YES		NO	
Will any planned activity or infrastructure be within 100meters of a watercourse (rivers/ streams/ dams)?	YES		NO	
Is any portion of the power line or cable or any other infrastructure within 32m of a watercourse/ wetland? <i>if yes, is the physical footprint of the structure 100 square meters or more</i>	YES		NO	
Will any planned activity or infrastructure be within 500meters of a wetland (seasonal and permanent)?	YES		NO	
Is any portion of the power line or proposed activity within 100m of the high-water mark of the sea/ estuary/ lagoon in the Urban area and 1000m in the rural areas?	YES		NO	
Is any property affected a nature reserve or conservancy?	YES		NO	
Will the power line be going through or adjacent to a forest/ plantation area?	YES		NO	
Will any portion of project be cabled through veld/ natural vegetation?	YES		NO	
Will any portion of project be cabled through a river-bed/ stream?	YES		NO	
Are new access roads/ tracks needed to maintain & operate the power line?	YES		NO	
Are there any protected trees/ heritage trees along the power line or close to it? (Owner might know)	YES		NO	
Will natural/ indigenous vegetation have to be removed prior to construction?	YES		NO	
Did you observe any evidence of wildlife in close proximity to the power line? For example, birds, nests, giraffe, elephants, etc	YES		NO	

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1. WATER RESOURCES					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Streams		Non-seasonal/ Permanently Wet Watercourse		Erosion of bed and banks of the watercourse	
Rivers		Seasonal Watercourse/ Dry waterbed		Compaction of ground of bed and banks of a watercourse	
Dams		Man-made Dam or other watercourse		Activity may divert/ restrict the flow of watercourse	
Wetlands		Degraded watercourse (in poor condition)		Activity has the potential to cause flooding	
Sea/ Estuary		Drainage Channel		Risk of oil, fuels, hydraulic fluids, chemicals or other pollutants near watercourse resulting from activity	
Floodplains		Pristine Condition		No Impact	
Springs		Allen Vegetation		Other (specify):	
Other (specify):		N/A		N/A	

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2. SOIL					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Sandy		Unstable rocky or steep slopes		Contamination of soil with concrete and cement	
Rocky		Saturated/ wet soils/ shallow water table		Compaction of soil due to driving	
Clayey		Sensitive to erosion or evidence of erosion in the area		Erosion	
Other (Specify):		N/A		N/A	

3. TOPOGRAPHY					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Flat		Unstable rocky or steep slopes		Difficult to construct in area	
Ridgeline		Erosion present on site		Erosion	
Mountainous/ Side slope of hill/ mountain		Steep slopes with loose soil		Difficult vehicular access	
Undulating plain/ low hills		Rocky outcrops		New access roads needed	
Dune (In-land or Coastal)		Dolomite, sinkhole or doline areas		Seasonal dune movement (impact on clearance)	
Sea-front		Any other unstable soil or geological feature		Other (Specify):	
Valleys/ Ravine/ Donga		Other (Specify):			
Other (Specify):		N/A			

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4 GROUNDCOVER AND FLORA					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Natural Vegetation		Natural veld in good condition		Contamination of ground due to driving during construction	
Alien Vegetation		Natural veld with scattered aliens		Trampling and loss of natural vegetation due to driving and walking over it	
Bare Soil		Natural veld with heavy alien infestation		Fire risk	
Other (Specify):		Thick bush		Erosion risk	
		Gardens/ Sport fields		Vegetation clearance is required for construction and maintenance	
		Paved/ hardened Surface		Other (Specify):	

5 FAUNA					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Birds (Specify if you can identify type, e.g. vulture, eagle, blue crane, raptor):		Bird nests present		Threat of electrocution or collision/ habitat disturbance	
Mammals		Game (Giraffe, Elephants, etc)		Threat of collision/electrocution	
Other (Specify):		Other (Specify):		Other (Specify):	

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6.RESTRICTED AREAS			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Nature Reserve/ Conservancy		Construction within nature reserve or a conservancy	
Heritage Site/ Areas of cultural significance		Loss of natural vegetation/ biodiversity	
Green belts/ Vegetation Corridors		Require permits	
Residential Areas		Objection from public/ other interest groups	
Sacred/ Holy Grounds		Threat of Encroachment/ Direct Impact on restricted area	
Other (Specify):		Other (Specify):	

7.VISUAL AESTHETICS			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Easily Seen		Infrastructure will be obtrusive in landscape (not fit in)	
Hidden Partially		Objection by members of public/ interest group/ owners	
Hidden Completely		Negatively impact on a business (e.g. Tourism)	
Other (Specify):		Other (Specify):	