THE PROPERTY SPANSON

Document Classification: Controlled Disclosure

ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

Unique Identifier:

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### Annex B - Distribution Environmental Screening Document (DESD) (Informative)

#### Reticulation Powerlines and Ancillary Services

Ratified and accepted by	
Environmental Practitioner N. Washington	
Environmental Specialist	
Head of Engineering Survey	
(one signature please)	
Accepted by Land Owner/s/Users FLEEULU A	
I have seen the completed document and accept the	
recommendations made £ £	
Form completed by in consultation with:  Assessor/s Signature: Signature:	
in consultation with: 1 15 54 Signature: Will signature:	
CAPACITY (e.g. land owner, specialist):	
DATE COMPLETED: 14- Fes - 299	

#### 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.

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Environmental Management Programme.

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# Annex B (continued)

1 Project des	escription	
Rural scheme/ Feeder Supply from	Goodlers Leop $KGH$ pole numbers for tee-off) $OPWH$	Area STERVHETT OF WATA File number  Voltage 22/40
2 Properties	s traversed	
Compilation num Farm name Registration num	mber and DivisionLine k	Sub-division ength (m) Sub-division ength/Site area (m²)
	cription of the surrounding ar	
		erdes quallette
aspects?		be constrained by any of the following environmentant of the present state as well as an indication of the
possible negative	ve impact. Note that mitigating mea	asures for these impacts are to be included in the

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# Annex B (continued)

4 Physical en	vironment				
4.1 Water: st	reams rivers	dams wetlands	springs floodp	lains OTHER	
Present condition:	Nonc				
Potential impact (		ollution):			•
4.2 Soil:	sandy	rocky	clayey	OTHER MARS	
					MENORAL STREET
4.3 Topography	mountains	ridges hills valle	ys ravines dong	as OTHER	
Present condition:		-			
Potential impact (e		,,,,,,			
Comments/mitigat	ing measures:				
,					
*****************************	***************************************			.51.51.51.0110.3101.0101.0101.010	

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Annex B (continued)							
5 Natural envi	ironment						
5.1 Flora:	indigenous	protecte	ed	exotic	ОТН	HER	
Brief description a		status (e.g. rar					
Potential impact (e	e.g. permit appli	cations					
5.2 Fauna:	mamma	als	birds		OTHER		
Brief description a (e.g. rare, protecte	ed, etc., mentior	giraffe, elephai					
Potential impact (e		ectrocution, collis					
Comments/mitigat	ing					m	easures:
6 Social environment							
6.1 Restricted areas:	nature/game reserves	hiking trails	tourism ro		parks	recreationa areas	I
Residential- areas	green belts	sacred/holy grounds	OTHER .				
Brief description							

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Annex B (continued)					
	ر همه منوبون	ment, etc			
6.2 Visual aesthetic		hidden	•••••••••••••••••••••••••••••••••••••••	partially	
Brief description					
Potential impact			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
6.3 Natural heritage	: cultural significance	archaeological	monuments	palaeontological objects	
	graves	meteorites	ruins	OTHER	
Note: Should any a Resource Act, No 25 the SAHRA. If line of Potential impact	of 1999 be identifie r access road lenç	ed, the requirements gth exceeds 300m S	of Act 25 of 1999 SAHRA shall be	ned in the National Heritage shall be followed by notifying notified.	
Connecantalmitiantina		freel - HU		· · · · · · · · · · · · · · · · · · ·	
7 Economic envi	ronment				
	rops ame farming	orchards forestry areas	grazing mining	crop spraying OTHER	
Brief description	sidential.				

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Annex	2
(continue	d)

Poten	itial impact					
7.1.1	Commercial:	factories		shops	OTHER	
	•					
	Infrastructure:	(pipelines)	sewage			
Brief	description:	JATER -	Pipes'			
Poter	itial impact					
Comi	ments/mitigatin	ng measures:				

**ENVIRONMENTAL IMPACT ASSESSMENT FOR** Unique Identifier: 240-72597722 **DISTRIBUTION ACTIVITIES** Revision: Page: 24 of 70 Annex B (continued) What impact will this project have on elements 4 to 7? Physical No impact (0) High impact (4) Natural No impact (0) Medium impact (2) High impact (4) 3. Social No impact (0) High impact (4) Medium impact (2) 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 No impact High impact Medium 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? No Should a permit application be made to DWA? Yes No Should the SAHRA be notified?

Document Classification: Controlled Disclosure

Yes No

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### Annex C - Environmental Management Plan (Normative)

#### 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.
- 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-ordiator.
- 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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### Annex C (continued)

- 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.

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## Annex C (continued)

2 Special conditions					
(Specific issues identified during the sco protected trees, etc.).	ping as needir	g attention i.e.	erosion b	erms, bird	flappers,
TVBICAL	BRITICATION	MEAGIIDEG			

#### TYPICAL MITIGATION MEASURES

ENVIRONMENTAL CONCERNS	MITIGATION MEASURES
AGRICULTURE	
Loss of standing crop due to access road and tower work site.	<ul> <li>limit width of access and size of tower site.</li> <li>avoidance of crop areas.</li> <li>monetary compensation for crop loss.</li> <li>time construction to avoid growing season.</li> </ul>
Soil Compaction	<ul> <li>scheduling activities to times of the year when soils are least susceptible to compaction.</li> <li>stop activities when ground conditions are poor.</li> <li>use of equipment with low bearing capacity.</li> <li>chisel ploughing.</li> </ul>
Construction of new lines	- locate access roads along existing traffic routs.
Topsoil – subsoil mixing/soil rutting	<ul> <li>scheduling activities.</li> <li>stop activity when ground conditions are poor.</li> <li>use of equipment with low bearing capacity.</li> <li>use of gravel roads.</li> <li>addition of manures to offset fertility loss.</li> <li>compensation for reduced soil pEAuctivity.</li> <li>removal of spoil and/or bentonite from foundation operations.</li> <li>Segregation of topsoil and subsoil.</li> </ul>
Disturbance to farm operations	- maintain contact with landowner/tenant regarding preferences.
Loss of livestock	<ul> <li>employ noise control measures near sensitive livestock.</li> <li>Construction of farm gates.</li> <li>Securing farm gates.</li> <li>Clean-up construction materials which could be ingested.</li> </ul>
	- Compensation for lost, injured livestock.
SOCIAL IMPACTS Mud and Dust	<ul> <li>wetting down dry soils.</li> <li>chemical control of dust.</li> <li>cleaning roads to remove mud.</li> <li>temporary planting of grasses.</li> </ul>

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# Annex C (continued)

	(continued)
Aesthetics	<ul> <li>screen with natural of planted vegetation restoration.</li> </ul>
	<ul> <li>avoid linear access down the right-of-way.</li> </ul>
	- addition of topsoil to gravel access roads.
	- hoarding construction sites.
	- installation of landscaping in advance of site
	completion.
Inconvenience	- select route and method of installation to suit
	landowners' conditions.
	- select timing of activity.
Heritage resources	- avoidance/isolation.
	- design measures to make facility less obtrusive.
	- screening.
•	- alternate methods of equipment.
	- protection by use of enclosures, barrier fencing,
	covering.
	- salvage in conjunction with SAHRA.
	- relocation in conjunction with SAHRA.
Tourism and recreation resources	- design measures to make facility less obtrusive of
	disruptive.
	- screening and restoration.
	<ul><li>minimise noise and dust.</li><li>safety precautions to protect the public.</li></ul>
	to the standard made upo poriodo
	- scheduling to avoid peak use periods.
WATER QUALITY	- minimise use of slopes adjacent to streams during soils
Sedimentation of streams due to	testing, construction and maintenance.
erosion from the right-of way.	
	- maintain a cover crop. - retain buffers.
Character hank orgains	- mechanical erosion control.
Stream bank erosion.	- retain shrubby stream bank vegetation and selectively
	cut or prune trees during line clearing/maintenance.
	- selective spraying of herbicides.
	- Mechanical erosion control.
Impedance of natural flow	- use and maintenance of appropriate stream crossing
streams/others surface waters.	device.
Ponding or channelization of surface	- timing activities to stable ground conditions.
waters due to rutting.	- use of gravel roads.
	w
Contamination of surface or ground	1 2 1 2 1 2 1
waters through spills or leaks of toxic	- site selection where possible.
substances.	- avoidance of rutting by vehicles where possible.
Soil compaction/topsoil-subsoil mixing.	- construction timing.
	- use of gravel roads.
	use of graver roads.  use of vehicles with low bearing pressures.
	- stop activities when ground conditions are poor.
AAC - Huster eregion	- avoidance of areas with high erosion potential.
Wind/water erosion.	timing activities to the most stable ground conditions.
	- slope stabilisation.
	- mechanical erosion control.
	- vegetation erosion control.
	- recompaction of trenches.
	- avoid trenching parallel to the fall of a slope.
	acord northing persons to the fair of a stage

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(2) Eskom		Control of the contro	
Distribution		Distribution Environment of the Section of the Sect	
Project name		OPWAG Electrification 22XV line - Groblershoop	
Project No	Survey Finding Enviro Finding	Creatineaton	Applicable Act
Line/Cable Length (m)	1336M The total line length is more than 300m	The poroposed line is outside the residential are, therefore SAHRA notification required	A
Affected Environment (residential/commercial/public open space)		Proposed line is outside the residential area and the area is dry and municipal services	
Water Rosource	Is activity 32m from Water	No water extract within the goal only the phelines	National water act
Flora	Yes X No Yes X ING Will vegetation be required to be cut down along the route?		
	Yes X No Yes X No Will any rare, threatened, protected & endangerd plant species be	2	
	affected by construction/operation of project?	None	
	Is a tree cutting permit requir	None, only grass patches	
	Yes No X Yes No X		
rauna		d.7.	
	Domestic animals domestic animals		
	Will there be any intercation with large mammals?	NA NONE IN A NA	
	Are there any rare, threatened, protected & endangered animal species		
	Yes Nox Yes Nox	N.A.	
	ill the proposed project p		Biodirvesity Act
	Yes Nox Yes Nox	N/A N/A	
	Will any special clearand	NA	
	Yes No.x Yes No.x	friendly Structures are recommended	Biodervesity Act
	Yes No Yes x No		
		NA INA	
	Yes Nox Yes Nox		
Protected Areas	Are there any protected areas ornolose to site?  Yes No.x Yes No.x	N/A N/A	
Visual Impacts	Will the project impact on aestehetic quality of the area?	The area is easty seen M.A. M.A. M.A. M.A. M.A. M.A. M.A. M.A	
	Yes Nox		
	Are there any Heritage/cultural resources on the proposed site?	N/A N/A	
	Rating (0-4). Physical 2 Natural 0	0 O-Low 0 2-Wedum X	
Overall Impact Assessment	social 0		

Signature: Surver Date: March 201

nanve W. Vinding ature: Environmental Offiger : March 2019



AREA: Croolers hoop	PROJECT NO. OPWAG Elec
FEEDER: KGH	
SUPPLY TO: OPWAG.	
ESKOM REPRESENTATIVE:	TEL: 031 4456105
*DISTRIBUTION	FAX:

# WAY LEAVE AGREEMENT OVERHEAD POWER LINE/UNDERGROUND CABLE(S)

1	I/We, the undersigned (full names) JOSEPH TEBOGO FLOYD LEEUW				
	(* If Company/CC/Trust, complete capacity of authorised persons)				
(Identity number: 46080757570P2: married in/out of community of proper accrual/marital power)					
	Address: Postal Code				
×.	Tel No.:				
	(Identity number: married in/out of community of property with/without accrual/marital power) Address: Postal Code				
	Tel No.:				
(hereinafter referred to jointly or individually as the "Owner) of the following property/properties:					
	situate in the Administrative District of ZFMGZAWU.				
k	number/s extent held by virtue of Title Deed/s				

f the un

(\* Delete if not applicable)

(hereinafter referred to as the "Property") hereby grant/s to Eskom Holdings Limited, Registration Number 2002/015527/06, its successors in title, assignees, licensees, (hereinafter referred to as "Eskom") an irrevocable right of way leave in perpetuity free of charge to transmit electricity over the property.

- The right of WAY LEAVE shall be binding on the Owner, its heirs, assignees and successors in title and shall include the following rights in favour of Eskom:
  - the right to erect an overhead power line/underground cable(s) together with such structures, works, appliances, apparatus, conductors and overhead cables ("works") on the property or to erect or lead such conductors or appliances or other equipment on, under or over the property substantially on the route as indicated by the letters the conductors or other equipment on the sketch attached hereto, as may at any time be necessary or convenient in exercising the right of way leave for overhead power line(s) / underground cable(s) (hereinafter together with the restriction area referred to in 3.1, referred to as the "Servitude Area").



- 1.2 the right to enter and be upon the property at any time in order to construct, erect, operate, use, maintain, repair, re-erect, remove, alter or inspect the structures, works, appliances, apparatus, conductors or cables ("works") on the property, or in order to gain access to any adjacent properties in the exercise of similar rights.
- the right to have access to and egress from the power lines and the right to use existing roads giving access to and egress from the property or roads running across the property and gates on the property and to erect in any fence such gates as may be necessary or convenient to gain access to and egress from any power line/underground cable or accessory equipment.
- 1.4 the right to remove any trees, bush, grass, material or structures within the restricted area defined in clause 3 hereof and the right to cut or trim any trees in order to comply with the restrictions referred to in clause 3 hereof, after consultation with the land owner/s.
- 2. Eskom shall exercise its rights subject to the following terms and conditions -
  - 2.1 Eskom shall ensure that any gates used by its personnel shall be kept closed.
  - 2.2 Eskom shall pay compensation:
    - 2.2.1 where damage or injury is caused by any negligent act or omission on the part of Eskom, its employees or contractors;
- 3. The following special restrictions are placed on the use of the property namely -
  - 3.1 No building or structure may be crected or installed above or below the surface of the ground, neither may any material which might endanger the safety of this power line/underground cable be placed within ......) metres of the centre line of this power line/underground cable without the prior written permission of Eskom.



- 3.2 No tree shall be planted within the servitude area.
- 3.3. No tree which will grow to a height in excess of the horizontal distance of that tree from the nearest conductor of any power line shall be planted within the vicinity of the power line
- 3.4. No material which may in the opinion of Eskom endanger the safety of any transmission line shall be placed within the servitude area.

mo gw d

- 3.5. No mining activities or blasting operations shall be permitted within 500 metres of any power line/underground cable without the prior written permission of Eskom.
- 4. The right of way leave hereby granted to Eskom -
  - 4.1 shall be binding on the heirs, assignees and successors in title of the owner.
  - 4.2 shall be brought in writing to the attention of any purchaser or transferee of the property (or of any portion of the property) by the owner or the seller (at that time) of the property before the property (or any portion thereof) is sold and/or transferred to such purchaser or transferee.
  - 4.3 shall, if Eskom so requests, be incorporated into a notarial deed of servitude and be registered against the title deed under which the property is held; on Eskom's costs the owner and/or its heirs, assignees and successors in title shall perform all necessary actions and sign all necessary documents to achieve the notarial execution and registration (in the office of the Registrar of Deeds) of a deed of servitude, as envisaged above.

5.	Remarks / Special Conditions:				
			<i>,</i> /	 	
		/			
		/			
	W	Sh	N		

- 4 -

Signed at (Aroblers heap on this	4day of						
AS WITNESSES:							
1.	REGISTERAD OWNER(S)/PURCHASER/ LESSEE/USUFRUCTUARY/HEIR/ OCCUPANT*/SPOUSE IF MARRIED IN COMMUNITY OF PROPERTY						
2.							
Signed at Day of							
AS WITNESSES:							
1	REGISTERED OWNER(S)/PURCHASER/ LESSEE/USUFRUCTUARY/HEIR/ OCCUPANT*/SPOUSE IF MARRIED IN COMMUNITY OF PROPERTY						
2							
Signed at KIM bended on this 11 day of MOITCH 20.19							
AS WITNESSES:							
L	for and on behalf of O						
2							
(* Delete whichever is not applicable)							