ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

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

Reticulation Powerline	s and Angillary Schucks
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	DITIONAL COUNCIL 2022-07-21 Mary PBOX.1.PANKOP.0414- (Signature) EGALN: Hallack OKA (Signature)
Form completed by M.J. Ramadi Signa	essor/s //
in consultation with XSigna	
CAPACITY (e.g. land owner, specialist):	
DATE COMPLETED:	

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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Annex B (continued)

1 Project description

Project name/Survey SICOM Request Project number Pr
2 Properties traversed
Farm name Registration number and Division
3 Brief description of the surrounding area The hew payment to the form the carth at the 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

Endircle 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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Annex B (continued)

1 Project description

Project name/Survey Request Project number Rural scheme/ Feeder Supply from Project name/Survey Request File number Rural Scheme/ File number Rural Scheme/ Rural Scheme/ Rural Scheme/ Rural Scheme/ File number Rural Scheme/ R
(scheme name, pole numbers for tee-off) Supply to (Farm name, etc.)
2 Properties traversed
Farm name Registration number and Division Compilation number 2528 AB Line length (m) Farm name Personal Sub-division Registration number and Division Compilation number and Division Compilation number Line length/Site area (m²)
3 Brief description of the surrounding area The new line is in about #15m while the property there are arom produce and thorn trees "soctdoring" Du either side of the farm fence, it is a red turf I soil and the are doves and family birds feeding on the grain plant. Could the proposed project have an impact on or be constrained by any of the following.

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.

Document Classification: Controlled Disclosure **ENVIRONMENTAL IMPACT ASSESSMENT FOR** Unique Identifier: 240-72597722 **DISTRIBUTION ACTIVITIES** Revision: 1 Page: 20 of 70 Annex B (continued) 4 Physical environment 4.1 Water: streams rivers wetlands springs floodplains OTHER Present condition: Potential impact (e.g. threat of pollution): .. 4.2 Soil: sandy rocky OTHER Present condition: Potential impact (e.g. of erosion) ... Comput 4.3 Topography mountains valleys hills ravines dongas Potential impact (e.g. of erosion) Comments/mitigating measures:

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			Annex B (continued)					
5 Natural en	vironment		•					
5.1 Flora:	indigenous	protect	ted	exotic	07	HER	•• •••	
Brief description	and conservation	on status (e.g. ra	re, etc., men	ition trees/b	oush/grass) .	••••••••••	······	
Potential impact	(e.g. permit app	lications			••••••	······		
5.2 Fauna:	mamn	nals	birds	***************************************	OTHER			
Brief description (e.g. rare, protection) Potential impact	ted, etc., mentic	n giraffe, elepha		3º Crc	c., mention :	migratory į	oaths)	
Comments/mitiga		nal	CO1	notru	usio	n	measures:	
6 Social envi	ronment							
6.1 Restricted areas:	nature/game reserves	hiking trails	tourism ro	outes	parks	recreati	onal	,
Residential- areas	green belts	sacred/holy grounds	OTHER	1	jing	for	hirest	o -ek
Brief description	land	used f	0/ 10	si de	nteal	ar	d	
<u>9802</u>	My to	2 4 UC	17001	4				

Document Classification: Controlled Disclosure **ENVIRONMENTAL IMPACT ASSESSMENT FOR** Unique Identifier: 240-72597722 DISTRIBUTION ACTIVITIES Revision: 1 Page: 22 of 70 Annex B (continued) Potential impact/e.g. threat of encroschment, etc. 6.2 Visual aesthetics: hidden partially... Potential impact 6.3 Natural heritage: cultural archaeological monuments palaeontological significance objects 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. Comments/mitigating measures 7 Economic environment 7.1 Land use: crops orchards grazing game farming forestry areas mining

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Potential impact	lornal	constuc	fion i	•••••
7.1.1 Commercial:	factories	shops	OTHER	· · · · · · · · · · · · · · · · · · ·
Brief description	ere are	shops x	Spaga sl	ιοβί,
7.1.2 Infrastructure:	roads railways pipelines sewage	OTHER .		air fields
Potential impact	*******************************		*****************************	
Comments/mitigating i		structo	Ÿ.	
** (** *** *** *** *** *** *** *** ***				

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		Anne (contin	—				
What 1.	impact will this p Physical	project have on elements 4 to 7?	,				
No im	pact (0)	Medium impact (2)	High imp	act (4)			
2.	Natural						
No im	pact (0)	Medium impact (2)	High imp	act (4)			
3.	Social						
No im	pact (0)	Medium impact (2)	High imp	act (4)			
If the	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 O 2 4 No impact Medium impact High impact If the overall impact is between 2 and 4, contact the Environmental Management Officer or the Environmental Senior Superintendent						
E-11411C	Timental Genior (Superintendent.		Managani	one officer of the		
Altern	natives						
Have	alternative routes	been discussed with the relevan	nt land own	er/s or users?			
Yes No							
Detail	Detailed study						
Is an environmental assessment required in terms of Regulation R543?							
YesNo							
Should a permit application be made to DWA?							
Yes No							
Should	Should the SAHRA be notified?						

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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.
- 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

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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.

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Aesthetics	- screen with natural of planted vegetation restoration.
	- avoid linear access down the right-of-way.
	 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.
	- minimise noise and dust.
	- safety precautions to protect the public.
	- scheduling to avoid peak use periods.
WATER QUALITY	corlecting to avoid peak use periods.
Sedimentation of streams due to	- minimise use of slopes adjacent to streams during soils
erosion from the right-of way.	testing, construction and maintenance.
or soler morn and right of may.	- maintain a cover crop.
	- retain buffers.
Stream bank erosion.	- mechanical erosion control.
Stratification of coloni.	
	i com curabby sucam bank vederation and selectively
	cut or prune trees during line clearing/maintenance.
	colocite apidying of fierbicides.
Impedance of natural flow	- Mechanical erosion control.
streams/others surface waters.	- use and maintenance of appropriate stream crossing
Ponding or channelization of surface	device.
	- timing activities to stable ground conditions.
waters due to rutting.	- use of gravel roads.
Contamination of surface or ground	- spill control material and procedures readily available.
waters through spills or leaks of toxic	- site selection where possible.
substances.	<u> </u>
Soil compaction/topsoil-subsoil mixing.	- avoidance of rutting by vehicles where possible.
3	- construction timing.
	- use of gravel roads.
	- use of vehicles with low bearing pressures.
	- stop activities when ground conditions are poor.
Wind/water erosion.	- avoidance of areas with high erosion potential.
	- timing activities to the most stable ground conditions.
	- slope stabilisation.
	- mechanical erosion control.
	- vegetation erosion control.
	- recompaction of trenches.
	- recompaction of trenches.
	- avoid trenching parallel to the fall of a slope.