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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

ARULANEN Gribal Name

Assessor/s

Signature: .

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

MAROTA MARULANEN

DATE COMPLETED: 2

Instructions

- Fill the report in as neatly and completely as possible.
- Where the question / statement is not applicable mark N/A. 2
- Indicate sensitive areas on a map and/or spanning plans.
- 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 des	scription			
Project name/Su Request Project number	Copolex Electric	Area . Area . File nu		
Rural scheme/ Feeder	Mahamane.	Voltag	je	
Supply from (scheme name,	pole numbers for tee-of	Vage Farms	- Lordikraa	and
Supply to (Farm name, etc	1/	V	party land	1

2 Properties traversed

1 100 223-111	Lordskn	ral		2 -1 7-15	
Farm name	LAVIOR	010	NS	Sub-division	0
Farm name Registration number an Compilation number	664 00	Lif	ie ierigui	(111)	
Farm nameRegistration number an Compilation number an	d Division	813	K	Sub-division	<u> </u>

3 Brief description of the surrounding area

Manlan	eng UM	y n	Mu J	and Kin	se	cheed
Village	Jih (deets	and	houses.	Sul	Manlings.
trees	nel	nan la	ac	found		Madurage

Could the proposed project have an impact on or be constrained by any of the following environmental

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.

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Annex B

4 Physical	environment	(vorial)	www	
4.1 Water:	streams rivers	dams wetlands	springs flood	Iplains OTHER
Present condition	on: Smal	steems "	avea.	
Potential impact	t (e.g. threat of poll	ution): N.A	***************************************	***************************************
*****************		***************************************	**********************	
4.2 Soil:	sandy	rocky	clayey	OTHER
*******************	(e.g. of erosion)	N.A.		
resent condition	1	idges hills valley:		as OTHER
otential impact (e.g. of erosion)	N.A	***************************************	
omments/mitigal	ting measures:	Harman Maria		
		<i></i>	*************************	
***************************************		***************************************		

The second second			AND DESCRIPTION OF THE PARTY OF	

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				Pag	je.		
			nnex B				
5 Natural en	vironment			17.02		OTHER	
5.1 Flora:	indigenous	protecte	ed /	exotic		OTHER	41.07-144.171
Brief description	and conservation	status (e.g. rar	e, etc., men	tion tree	s/bush/gras	is)	***************************************
Potential impact	(e.g. permit applic	ations					************
5.2 Fauna:	mammal		birds			HER	
Brief description (e.g. rare, prote	n and conservation ected, etc., mention	status: giraffe, elepha	ants, eagles	, vultures	s, etc., men	tion migr	atory paths)
	ct (e.g. threat of ele				*********		
Potential impac	ot (e.g. threat or ele						
				************			measures
Comments/mit	igating	/			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
***************				************			
		****************	**************				
6 Social er	nvironment				20.		
6.1 Restricte	nature/game reserves	hiking trails		m routes	par	ks	recreational areas
Residential- areas	green belts	sacred/holy grounds		R			
	Area	with	stonds		and	hous	Ø
Brief descript	JUIL						

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Potential impact e.g. th	nreat of encroad	Annex (continued	1)	
5.2 Visual aesthetics	: easily seen	hidder	n E	partially
Brief description U	'llege o	vev		
otential impact				
.3 Natural heritage:	cultural significance	archaeological objects	monuments	palaeontological objects
	graves	meteorites	ruins	OTHER
ote: Should any na	tural heritage r	esource as listed a	hove or so defe	
e SAHRA. If line or a	ccess road len	gth exceeds 300m	above, or as defined of Act 25 of 1999 SAHRA shall be r	ned in the National Heri
e SAHRA. If line or a stential impact	ccess road len	gth exceeds 300m	SAHRA shall be r	ned in the National Heri
otential impact	stures	gth exceeds 300m	SAHRA shall be r	ned in the National Heri shall be followed by notif notified.
otential impact	egsures has be no	gth exceeds 300m	SAHRA shall be r	ned in the National Heri shall be followed by notif notified.
otential impact	egsures has be no	gth exceeds 300m during exceed	SAHRA shall be r	ned in the National Heri shall be followed by notif notified.

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	(continued)	
Potential impact		
Potential impact		
7.1.1 Commercial: factories	shops	OTHER
Brief description		
Potential impact		
7.1.2 Infrastructurer roads	railways communications	power lines air fields
pipelines	sewage OTHER	
Brief description: Gracel	Overhoad pentish	S.

Potential impact		
		1000
Comments/mitigating measures:	/	
120,		
	£	

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What impact will this	(0	Annex B
1. Physical	s project have on elements 4 to	07?
No impact (0)	Medium impact (2)	High impact (4)
2 Natural	PER LAND MALE PARENT	Editor impact (4)
No impact (0)	Medium impact (2)	High impact (4)
No impact (0)	Medium impact (2)	High impact (4)
Overall impact: This section address above three spheres	es the overall environmental (physical, natural and social) r	impact of the project. The impacts as assessed in the need to be considered to determine the overall impact
		4
No imp	act Medium impact	High impact
Yes No	s been discussed with the rele	This was a soul
Detailed study		
	sessment required in terms of	Regulation R543?
Is an environmental ass	sessment required in terms of	Regulation R543?
Yes No	Talestre au	Regulation R543?
Yes No Should a permit applicatives	sessment required in terms of tion be made to DWA?	Regulation R543?
Yes No Should a permit applical Yes No	tion be made to DWA?	Regulation R543?
Yes Should a permit applicatives	tion be made to DWA?	Regulation R543?

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Annex C - Environmental Management Plan

(Normative)

1 General conditions

- 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.
- No fences, gates or locks shall be damaged to obtain access or to a line route. Arrangements shall be made in advance to obtain permission for access. 1.2
- 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 1.3 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 1.4 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.
- Permission shall be obtained from landowners before any water is used. 1.5
- 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 1.6 in the veld.
- If activities that can cause a fire are carried out, fire extinguishers shall be available on site and in 1.7 the construction camp.
- No property may be accessed after normal working hours except with the permission of the 1.8 landowner. Privacy shall be respected at all times.
- Eskom, Eskom's contractors and their employees shall at all times be courteous towards 1.9 landowners, tenants and the local community.
- 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 1.10 local community shall be avoided. Should conflict arise it shall be immediately reported to the Eskom project manager or co-ordiator.
- Vehicles shall be driven at a moderate speed on private roads and stay within the statutory speed 1.11 limit on public roads.
- 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 1.12 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.
- 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 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 left on site.
 No containers, scrap metal, conductor etc. shall be

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
- 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.

SOCIAL IMPACTS

Mud and Dust

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1	An	n	ex	(
	CO	nti	nue	ed

2 Special conditions (Specific issues identified during the	scoping as needing attention i.e. erosion berms, bird flappers,
protected trees, etc.).	

4-2	
TYP	CAL MITIGATION MEASURES

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

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wetting down dry soils.

chemical control of dust. cleaning roads to remove mud. temporary planting of grasses.

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Annex C

I of planted vegetation restoration. Is down the right-of-way. It of gravel access roads. It of sites. I of et a comparison of sites. It of equipment. If enclosures, barrier fencing. It of with SAHRA. It of make facility less obtrusive of
ion sites. scaping in advance of site ethod of installation to suit ions, tivity, o make facility less obtrusive. of equipment, f enclosures, barrier fencing, ion with SAHRA, action with SAHRA.
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o protect the public.
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uring line clearing/maintenance. f herbicides.
control.
control.
e or appropriate stream crossing
able ground conditions.
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and procedures readily available.
possible.
become the second
by vehicles where possible.
low bearing pressures.
ground conditions are poor.
with high erosion potential.
e most stable ground conditions.
c must stable ground conditions.
control.

