ENVIRONMENTAL IMPACT ASSESSMENT FOR DISTRIBUTION ACTIVITIES

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Annex B - Distribution Environmental Screening Document (DESD)

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 a recommendations made	ind accept the
Form completed by A. Predonic In consultation with S. Thausek. CAPACITY (e.g. land owner, specialist DATE COMPLETED: 19/08/20	ougesignature: X. Mary Jo
	· · · · · · · · · · · · · · · · · · ·

Instructions

- 1. Fill the report in as neatly and completely as possible.
- 2. Where the question / statement is not applicable mark N/A.
- 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 Request Estom Withork. Area Amsterdam Project number File number Rural scheme! Feeder Jericho Voltage 22kV: Supply from JER/WJS 315/6 (scheme name, pole numbers for tee-off) Supply to (Farm name, etc.)
2 Properties traversed
Form name Registration number and Division 3,44 IT Sub-division Remainder Compilation number 26,30 DAN Line length (m) 7,55,2 Form name Registration number and Division Sub-division Compilation number Line length/Sito area (m²)
3 Brief description of the surrounding area
Dam can be seen at the back of t-off pole. Plantations can be seen to the left of t-off pale Bluck wattle bush to the right and all over thoses hotween all the trees.
Could the proposed project have an impact on or be constrained by any of the following environment aspects?
Encircle the appropriate aspect, giving a description of the present state as well as an indication of it 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)	
4 Physical environment	
4.1 Water: streams rivers dams wetlands springs floodplains OTHER	
Present condition: NA	
Potential impact (e.g. threat of pollution):	
4.2 Soil: sandy rocky clayey OTHER	
Present condition: Red Sail (Namal)	
Potential impact (e.g. of erosion) . WA	
Present condition: Up and Joun Lill, Potential impact (e.g. of erosion)	
Comments/mitigating measures:	
N/A.	
	·

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Annex	В
(continue	d)

5 Natural env	ironment	`			,
5.1 Flora:	indigenous	/ protecte		-,	IER
Brief description a Potential impact (Legs. 5.2 Fauna:	e.g. permit appli	**************************************	etc., mention tree	4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	jvass rim
and the design of the second	ed, etc., mention	giraffe, elephan	ts, eagles, vultures ムナーのいつ on, etc)	*********************	
Comments/miliga New +c	· cut	t Thim	Trees		measures:
6.1 Restricted areas:	nature/game reserves	hiking trails.	tourism routes	parks	recreational areas
Residential- areas	green belts	sacred/holy grounds	OTHER	,,,	
Brief description	N/A-	***********************		(** **********************************	, ,

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			Page:	22 OT /U
6.2 Visual aesthetics		hldden		partially. X

Totomas impact				***************************************
6.3 Natural heritage:	cultural significance	archaeological objects	monuments	palaeontological objects
	graves	meteorites	ruins	OTHER
Note: Should any n Resource Act, No 25 o the SAHRA. If line or	if 1999 be identi	fied, the requirements	of Act 25 of 199	ined in the National Heritage 9 shall be followed by notifying notified.
Potential impact .	wes ne	ar t-off	e point	
([27649242214254253]3]3444445454	*********		V .	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Comments/mitigating (***************	,	
7 Economic envi				
	rops ame farming	orchards forestry areas	grazing mining	crop spraying OTHER
Brief description	unicils i	and wuttle		

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Annex B (continued)

Potential Impact	A			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
7.1.1 Commercial:	factories		shops	OTHER	*********	
Brief description	.,				*********	
7.1.2 Infrastructure:			communications	power lines	air fields	
Brief description:	urm voc	uds.		************************		
Potential impact		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Comments/mitigating	*************************************				······································	
4 m m m m m m m m m m m m m m m m m m m						

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Document Classification: Controlled Disclosure **ENVIRONMENTAL IMPACT ASSESSMENT FOR** Unique Identifier: 240-72597722 **DISTRIBUTION ACTIVITIES** Revision: 24 of 70 Page: Annex B (continued) What impact will this project have on elements 4 to 7? Physical Medium impact (2) High impact (4) No Impact (0) 2. Natural High impact (4) Medium impact (2) No Impact (0) Social Medium impact (2) High impact (4) No impact (0) 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 0 High impact No 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? Yes No

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Should a permit application be made to DWA?

Should the SAHRA be notified?

Yes No

Yes No

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Annex C - Environmental Management Plan

(Normative)

1 General conditions

- 1.1 The Eskoin 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 tocks 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.
- 1.4 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 lift on private property. If fires are lift 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 fandowners, tenants and the local community.
- 1.40 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 yeld. 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 stück, 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 yeld or on the line route.
- 1.16 Washing and tollet 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)

!	Special co	nditions				
16	specific lesues otected trees.	etc.).				
	WAZ					

TYPICAL MITIGATION MEASURES

ENVIRONMENTAL CONCERNS	MITIGATION MEASURES
AGRICULTURE	
Loss of standing crop due to access road and tower work site.	Imit width of access and size of tower site. avoidance of crop areas. monetary compensation for crop loss. time construction to avoid growing season.
Soll Compaction	- scheduling activities to times of the year when soils are least susceptible to compaction stop activities when ground conditions are poor use of equipment with low bearing capacity chisel ploughing.
Construction of new lines	- locate access roads along existing traffic routs.
Topsolf - subsoll mixing/sulf rutting	 scheduling activities. stop activity when ground conditions are poor. 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.
Disturbance to farm operations	maintain contact with landowner/tenant regarding preferences.
Loss of livestock	 employ noise control measures near sensitive livestock. Construction of farm gates. Securing farm gates. Clean-up construction materials which could be ingested. Compensation for tost, injured livestock.
SOCIAL IMPACTS	
Mud and Dust	 wetting down dry soils. chemical control of dust, cleaning roads to remove mud. temporary planting of grasses.

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