



## PRE-APPLICATION CHECKLIST

Project applicant:	ESKOM TRANSMISSION		
Business reg. no./ID. no.:	2002/015527/06		
Contact person:	Mamokete Mafumo		
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## SECTION I: ENVIRONMENTAL CONSIDERATIONS

**Please provide the following:**

**a locality plan, which clearly shows the site in relation to the surrounding area. The plan must be of sufficient quality to enable the Department to locate the site for the purposes of a site inspection.**

**a site plan, indicating the proposed new development, existing infrastructure, servitudes, 1:50 year flood line, 1:100 year flood line and any additional information that may be of assistance to the Department in considering the application.**

**photographs of the site and its surroundings (taken of the site and from the site). The vantage points from which the photographs were taken, must be indicated on the site plan, or locality plan as applicable. If available, please also provide a recent aerial photograph.**

**a letter of consent from the landowner, if the site of the proposed development is rented or leased**

Is the proposed activity a new development or an upgrade of an existing development?

The proposed activity is a **new development**.

Which of the listed activities in Schedule 1 & 2 of GN. R. 1182 apply to the development? Please indicate all activities that are applicable.

**Schedule 1 – 1 (a)  
Schedule 1 – 1 (g)  
Schedule 1 – 2 (c)**

What is the size/scale of the project?

What is the total area of the development site? **155 km with 55m wide servitude ( linear project) and**

**5 Ha adjacent to the Garona substation (actual extension will be 182m towards the north east and 88m to the west, from the eastern corner of the existing substation.**

Indicate the area of the site that will need to be disturbed in order for the proposed activity to take place.

**Linear project**

Indicate the extent of the footprint for the proposed activity in relation to the site in its entirety.

**55 m wide servitude , towers to be positioned every 400 meters**

What is the current land use of the proposed site(s) for the activity and surrounding land uses?

What is the current land use on the proposed development site?	<b>Agricultural farming</b>
What is the land use in the area surrounding the proposed development site?	<b>Agricultural farming</b>
Does the proposed activity fit in with forward planning documents for example, Integrated Development Plans and Spatial Development Frameworks. Please reference the source of confirmation.	
<b>The exact location of the power line will be determined during the EIA process. All relevant IDP's/SDF's will be consulted during that process.</b>	

Please indicate whether any of the following emissions and wastes will be produced by the project during the construction and operational phases?

Item	Yes / No	Source & anticipated volumes
Air emissions	<b>No</b>	<b>N/A</b>
Odours	<b>No</b>	<b>N/A</b>
Radiation	<b>Yes</b>	<b>Electromagnetic Fields (EMF) – non-hazardous by-product of high voltage transmission lines.</b>
Noise	<b>No</b>	<b>N/A</b>
Industrial or agricultural effluent	<b>No</b>	<b>N/A</b>
Domestic, industrial or agricultural solid waste	<b>No</b>	<b>N/A</b>
Hazardous solid or liquid waste	<b>No</b>	<b>N/A</b>

Will the project involve the use of, storage of or production of hazardous substances?

Substance	Volume
<b>No</b>	


How will the site be serviced and who will provide the services and/or infrastructure?

Is service infrastructure available and can the project readily be connected to existing services infrastructure?

OR will service infrastructure have to specifically be developed for the project.

**No service required**

Please provide details in the table below and attach correspondence confirming service provision from the relevant service provider, if available.

Item	Service Provider	Amount or capacity required
Water supply	<b>N/A</b>	Peak demand (l/s):
		Average demand (kl/day):
Water abstraction (indicate source and any existing water servitudes)	<b>N/A</b>	Peak demand (l/s):
		Average demand (kl/day):
Electricity (indicate any existing servitudes)	<b>N/A</b>	Peak demand (kVA):
		Average demand (kVA):
Solid waste	<b>N/A</b>	Collection (m <sup>3</sup> ):
		Transport (m <sup>3</sup> ):
		Disposal (m <sup>3</sup> ):
		Treatment (m <sup>3</sup> ):
Sewerage effluent	<b>N/A</b>	Peak flow (l/s):
		Average flow (kl/day):
Stormwater	<b>N/A</b>	Peak flow (l/s):

		Average flow (l/s):
Access (roads, rail)	<b>N/A</b>	<b>Access roads would be created during construction and that will be used for maintenance of the powerline in the future</b>
Other		

Please describe any alternatives that address environmental issues related to the development that are being considered (e.g. project layout, project site, technology selection, access)? NOTE: If alternatives are not being considered, please submit an adequately motivated request in terms of Section 28 A for exemption from considering alternatives together with this checklist.

Alternative	Description and Comments (Indicate which environmental impacts will be mitigated by way of the alternatives proposed)
<b>Project Site</b>	<b>The study area is 15km from the direct line on either side at the middle of the distance between the sites. The most suitable location for the powerline will be chosen through intensive investigation during the EIA process.</b>

Please provide information in the table below for **EVERY SENSITIVE FEATURE** listed below. Please note that it is not necessary to commission specialist studies to respond to this table. Information can be verified through discussion with the relevant authorities, published scientific papers/knowledge, local agricultural extension officers, local nature conservation officers and other similar means.

**A team of specialists from all relevant disciplines (Ecological, Avifauna, Soils, Geology, Climate, Agricultural, Heritage, Social, Tourism, Visual, GIS) has been assembled and will undertake a detailed site assessment along the length of the proposed power line (15 km on either side of the direct line between the Garona and Aries substations). All information gathered will be synthesised and reported during the EIA process to reveal the most suitable location/s for the pylons/power line.**

Feature	Y/N	Distance (m)	Description of sensitive feature	Verified	
				Y/N	Source of verification
Unique geological					

feature					
Steep slopes (>1:4)					
High potential agricultural land/soil					
Mountainous area					
River, dam, lake or wetland					
A floodplain or within 1:50 floodline/1:100 floodline					
Currently used or potentially valuable groundwater resources					
Marine life					
Area below the high water mark					
Coastline or coastal feature such as dunes, estuaries and lagoons					
Areas occupied by sensitive indigenous vegetation (e.g. ecotones, centres of endemism, unique vegetation types, etc.)					
A habitat that is essential for the conservation of threatened plant or animal species.					
Breeding sites or					

migration routes of animal species					
Any protected plant or animal species or species that is known to be threatened (e.g. listed as a Red Data species)					
Unique architectural area (e.g. Urban Conservation Zone)					
Cultural or historical sites (e.g., battle site, historical monument, graveyard, sites for burial, worship, initiation)					
Archaeologically/paleontologically significant area (e.g. fossils, rock art, etc.)					
Designated or proposed nature conservation area (e.g. nature reserve, conservancy, Biosphere Reserve, World Heritage Site, Ramsar Site)					
A green belt or public open space					
A formal or informal residential area					
A community facility (school, hospital, sports hall/fields)					
A transition or buffer zone (e.g.					

urban edge, transition zone in a biosphere reserve)					
A scenic landscape					
Area or site of natural beauty					
A significant tourism route or scenic drive					
Other, specify.					

## SECTION II: LEGAL & POLICY CONSIDERATIONS

Is the project subject to any local authority authorizations (e.g. effluent disposal, land use planning, permit for fuel burning devices, development in sensitive coastal areas or in designated protected natural areas)? If yes, please provide a summary of discussions and agreements with local authorities, if any.

**Authorizations with relevant authorities will be investigated and obtained during the EIA process as the exact location of the powerline has yet to be determined (the study area comprises 160 km (long) X 30 km (wide)).**

Authorization	Y/N	Application submitted?		Application approved?	
		Y/N	Date	Y/N	Date
Land use planning					
Type of land use planning application:					
Effluent disposal					
Water supply					
Fuel burning device (e.g. boiler, furnace)					
Protected natural environment (PNE)					
Sensitive coastal area (e.g. OSCA)					
Noise					

Odours					
Other, specify:					

Has any national, provincial or local authority considered any development applications on the property previously? If so, please give a brief description of these applications, indicating if the applications were successful or not, as well as the periods of validity or expiry dates.

**The study area encompasses numerous properties and all relevant development applications for the identified locations will be investigated during the EIA process.**

Previous application	Yes		No	
Type/nature of application:				
Authority that considered application:				
Application approved	Yes		No	
Reasons for decision:				
Period of validity of decision and expiry dates:				

Is an amendment to the Structure Plan (including regional structure plans and former guide plans) required in order to accommodate the proposed development? If so, please indicate whether an application has been lodged with the relevant authority in this regard.

**Unknown. Will be investigated during the EIA process.**

The project may require licenses/permits from other authorities in the case of a new development, or revisions to existing licenses/permits in the case of an extension or upgrade of an existing development. If the response to any of the following questions is affirmative then you are advised to query the matter further with the relevant authority in addition to submitting this checklist to the Department of Tourism, Environment & Conservation. If you are uncertain about the legislation that is applicable to your development, please consult the relevant authority as shown in the table.



**All relevant licences/permits will be investigated during the EIA process.**

National and Provincial Legislation: Please provide relevant details in the table below and attach any licenses/permits already issued for the project.

Athorization	Y/N	Application submitted?		Application approved?	
		Y/N	Date	Y/N	Date
<p><b>Air emissions</b> - Refer to the Second Schedule of the Atmospheric Pollution Prevention Act, 1965 (Act No. 45 of 1965) <i>(Dept. of Environment Affairs &amp; Tourism - Applicable to industrial and manufacturing projects where air emissions will be discharged to atmosphere generally via a smoke stack or to extractive industries where dust will be generated)</i></p>					
Comments:					
<p><b>Effluent disposal</b> - Refer to the Section 21 of the National Water Act, 1998 (Act No. 36 of 1998). <i>(Dept. of Water Affairs &amp; Forestry – Applicable to projects where liquid waste is produced and will be disposed to a watercourse, wetland, dam or the sea. If effluent is to be discharged to a municipal sewer, application must be made to the relevant local authority)</i></p>					
Comments:					
<p><b>Water use</b> – Refer to section 7 of the Water Services Act, 1997 (Act No. 108 of 1997) and Chapter 4 of the National Water Act, Act 108 of 1998. <i>(Dept. of Water Affairs &amp; Forestry – Applicable to projects where the water required for the project will be obtained from a source other than from an established municipal supply system)</i></p>					
Comments:					
<p><b>Solid waste disposal</b> - Refer to section</p>					

<p>20 of the Environmental Conservation Act, 1989 (Act No. 73 of 1989) and the Minimum requirements for Waste Management from Dept. Water Affairs &amp; Forestry</p> <p><i>(Dept. of Water Affairs &amp; Forestry – Applicable to any project where a solid waste disposal transfer station, treatment facility or disposal site is to be established or where a waste product will be stored for more than three months)</i></p>	Comments:				
<p><b>Development of structures and lease of land below the high water mark-</b> Refer to the Sea Shore Act, 1935 (Act No. 21 of 1935)</p> <p><i>(Dept. of Environmental Affairs &amp; Tourism)</i></p>					
<p><b>Driving of vehicles and construction of boat launching sites within the coastal zone</b> - Refer to the Control of Vehicles in the Coastal Zone Regulations promulgated in terms of section 44 of The National Environmental Management Act, 1998 (Act No. 107 of 1998)</p> <p><i>(Dept of Environmental Affairs &amp; Tourism, Dept of Tourism, Environment &amp; Conservation, SANParks and relevant local authority)</i></p>	Comments:				
<p><b>Agricultural activities</b> - refer to the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983)</p> <p><i>(Dept of Agriculture &amp; Land Reform - Applies to projects where agricultural activities involving ploughing and clearing of virgin land is being considered)</i></p>					
<p><b>Archaeological , cultural, historical</b></p>					

<p><b>and other resources related to national heritage</b> - Refer to the National Heritage Resources Act, 1999 (Act No. 25 of 1999)</p> <p><i>(Heritage Northern Cape/SAHRA– Applies to projects where there are naturally and culturally significant features on or adjacent to the site where development is being proposed)</i></p>	Comments:				
<p><b>Removal of indigenous fauna and/or flora</b> - refer to the Nature Conservation Legislation: Nature and Environmental Conservation Ordinance, 1974 (Ordinance No. 19 of 1974) and National Forests Act (Act No. 84 of 1998)</p> <p><i>(Northern Cape Conservation Services - Applies where fauna and flora may need to be removed and relocated. Applies to projects that involve the establishment of private nature reserves, development within nature reserves, establishment of nurseries or zoos</i></p> <p><i>Dept. of Water Affairs &amp; Forestry – Applies where indigenous trees may need to be removed).</i></p>					
<p><b>Hazardous Installations</b> - Refer to the Major Hazard Installation Regulations promulgated in 1998 in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) – Section on Major Hazard Installation).</p> <p><i>(Dept of Labour &amp; Dept. of Environmental Affairs &amp; Tourism – Applicable to projects where hazardous substances are stored and /or produced. Also refer to section 2 (1) of the Hazardous Substances Act, 1973 (Act No. 15 of 1973)</i></p>	Comments:				
Other, specify					
	Comments:				

## SECTION IV: SOCIO-ECONOMIC CONSIDERATIONS

What is the envisaged start and end date of the proposed development?

Start date:	<b>January 2008</b>	End date:	<b>January 2009</b>
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What is the total cost of the proposed development? Please indicate if the information provided is confidential.

Total development cost	<b>R70 000 000</b>	Information confidential	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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How many jobs will be created by the proposed development?

Number of permanent jobs	<b>None</b>	Number of temporary jobs	
Number of jobs to be provided to Northern Cape residents			

Please provide a brief description of the socio-economic characteristics of the area in which the project is proposed. Indicate possible negative and positive social consequences/implications.

**The area consists mainly of farming communities. The purchase of a servitude from the farmers will not significantly alter the landscape and will provide financial reward to the relevant farmers.**

**DECLARATION:** I \_\_\_\_\_ hereby declare that the information provided is to the best of my knowledge true and correct and I acknowledge that I understand my responsibilities in terms of Government Notice No. R.1183 of 5 September 1997 and that failure to comply with these requirements may constitute an offence in terms of the Environment Conservation Act, 1989 (Act No. 73 of 1989).

Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_

Applicant: \_\_\_\_\_ Signature: \_\_\_\_\_

Witness: \_\_\_\_\_ Witness: \_\_\_\_\_