

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

(For official use only)

File Reference Number:

NEAS Reference Number:

Date Received:

DEA/EIA/

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 (the Regulations)

PROJECT TITLE

Eskom Romansrivier - Ceres 66/132kV Double Circuit Powerline

Indicate if the **DRAFT** report accompanies the application

Yes
No

Kindly note that:

1. This application form is current as of 1 April 2016. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form may become public information on receipt by the competent authority.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

Postal address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia
Pretoria

Queries must be addressed to the contact below:

E-mail: EIAAdmin@environment.gov.za

Please note that this form must be copied to the relevant provincial environmental department/s.

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. **PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**
 Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or
 The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government Grant	
The applicant is an organ of state	✓ (see Appendix 1)

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p>
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Reference number:

2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The Witzenberg substation is currently supplied by one 132 kV¹ single circuit powerline. This line runs over the Witzenberg Mountain Range from the Romansrivier substation. Three 66kV feeders out of the Witzenberg substation supply the Ceres, Gydo and Slangboom substations from where Eskom's customers draw their electricity.

A 66 kV powerline runs from Romansriver to Witzenberg substations via Ceres. A portion of this line between Romansriver and Ceres burnt down, cutting supply from Romansriver to Ceres and Witzenberg, reducing the reliability of supply to the area (i.e. the only supply to Witzenberg is the 132 kV line from Romansriver to Witzenberg, and the only supply to Ceres is from the remaining portion of the 66 kV line from Witzenberg to Ceres).

Since the fire on the 66 kV line between Romansriver and Ceres, the Ceres substation has been supplied by the 66 kV line from the Witzenberg substation (and consequently, by the 132 kV line between the Romansriver and Witzenberg substations) only. Therefore, both the Ceres and the Witzenberg substations are solely dependent on the 132 kV line between Romansriver and Witzenberg. Eskom would be unable to supply the dependent network (i.e. the towns of Prince Alfred Hamlet and Ceres) for several months should a fault occur on this line (i.e. until the line is repaired²).

Eskom therefore propose to construct a new double circuit powerline (132kV and 66kV) from the Romansrivier substation to the Ceres substation. This line would provide 132 kV supply to Ceres, and replace the partially burnt 66 kV line between Romansriver and Ceres and secure supply to the Ceres and Witzenberg substations.

Key aspects of the project include:

- Installation of a 80 MVA 132/66/11kV transformer at the Romansrivier substation to supply the new 132 kV line to Ceres;
- Installation of 132 kV and 66 kV feeder³ bays at Romansriver substation and a 66kV feeder bay at Ceres substation;
- Construction of a double circuit distribution powerline (132kV and 66kV) on 68 pylon structures between Romansrivier and Ceres substations in the Breede River Valley / Michell's Pass (~20km);
- Construction of new access roads, including bridges and other watercourse crossings; and
- Upgrading of various existing (access) roads.

In a future phase of work, Eskom proposes to build a single circuit 132 kV line between the Ceres and Witzenberg substations.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011? Note: <i>The project is in support of SIP 10 (Electricity transmission and distribution for all) in terms of:</i> <ul style="list-style-type: none">• <i>Expansion of the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development; and</i>• <i>Alignment of the 10-year transmission plan, the services backlog, the</i>	YES	NO ✓
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¹ kilovolt is equal to 1 000 volts

² Repairs to this line would take an excessive amount of time as the pylons are old and no designs (or spares) are available for this infrastructure).

³ A feeder is a powerline transferring power from the substation to the transformers

<p><i>national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity. Although this project doesn't form part of the specified projects under SIP 10, it forms part of "other projects" to strengthen the system, including:</i></p> <ul style="list-style-type: none"> • <i>Distribution and transmission projects</i> 		
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If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	YES	NO ✓
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries		Greenfield transformation to urban or industrial form (including mining)	
Infrastructure – electricity (generation, transmission & distribution)	✓	Biodiversity or sensitive area related activities	
Oil and gas		Mining value chain	
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments	
Nuclear		Boat building	
Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles	
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals	
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather	
Basic services (local government access roads)		Forestry, paper, pulp and furniture	
Basic services (local government) – public transport		Business process servicing	
Infrastructure – water (bulk and reticulation)		Advanced materials	
Basic services (local government) – sanitation		Aerospace	
Basic services (local government) – waste management		Basic services (local government) – education	
Basic services (local government) water		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	YES	NO ✓
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		

3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Limited		
Registration number (if applicant is a company):	Reg No 2002/015527/30		
Trading name (if any):			
BBBEE status	Level 8 Contributor		
Responsible person name (If the applicant is a company):	Justine Wyngaardt		
Applicant/ Responsible person ID number:	8109250099083		
Responsible position, e.g. Director, CEO, etc.:	Land Development Manager (Acting)		
Physical address:	Eskom Road, Protea Heights, Brackenfell		
Postal address:	PO Box 222, Brackenfell		
Postal code:	7560	Cell:	+27 82 938 3479
Telephone:	021 980 3112	Fax:	
E-mail:	WyngaaJO@eskom.co.za		

Provincial Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Contact person:	Adri la Meyer		
Postal address:	Private Bag X 9086, Cape Town		
Postal code:	8000	Cell:	
Telephone:	(021) 483 2887	Fax:	(021) 483 4185
E-mail:	Adri.LaMeyer@westerncape.gov.za		

Local municipality:	Witzenburg Municipality		
Contact person:	David Nasson		
Postal address:	PO Box 44, Ceres		
Postal code:	6836	Cell:	
Telephone:	023 316 1854	Fax:	
E-mail:	david@witzenberg.gov.za		

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:	See Appendix 4		
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application: Reason(s) in terms of S24C of NEMA 1998 as amended:	Department of Environmental Affairs
	Department of Environmental Affairs

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:	SRK Consulting (South Africa) (Pty) Ltd			
B-BBEE	Contribution level (indicate 1 to 8 or non compliant)	4	Percentage Procurement recognition	100%
Professional affiliation/registration:	Matthew Law - Certified Environmental Assessment Practitioner (CEAPSA)			
Contact person:	Amy Hill			
Company:	SRK Consulting (South Africa) (Pty) Ltd			
Physical address:	The Administrative Building, Albion Springs, 183 Main Road, Rondebosch			
Postal address:	Postnet Suite #206, P.Bag x18, Rondebosch			
Postal code:	7700	Cell:	081 461 7590	
Telephone:	021 659 3060	Fax:	021 685 7105	
E-mail:	ahill@srk.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Western Cape
District Municipality	Cape Winelands District Municipality
Local Municipality	Witzenberg Municipality
Ward number(s)	2 and 3
Nearest town(s)	Ceres
Farm name(s) and number(s)	Refer to Appendix 5
Portion number(s)	Refer to Appendix 5

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

S	E	E	A	P	P	E	N	D	I	X	5						
1	2	3	4	5													
Are there any other applications for Environmental Authorisation on the same property?												YES	NO ✓				

If YES, please indicate the following:	
Competent Authority	
Reference Number	
Project Name	
Please provide details of the steps taken to ascertain this information:	

6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
<p>GN R. 983 Item 11: The development of facilities or infrastructure for the transmission and distribution of electricity-</p> <p>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</p>	<p>The project entails the construction of a 20 km 132 kV / 66 kV double circuit powerline between Romansriver and Ceres substations.</p>
<p>GN R. 983 Item 12: The development of-</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs-</p> <p>(a) within a watercourse; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse</p>	<p>It is assumed that this activity refers to a cumulative footprint of 100 square metres or more, within 32 m of any watercourse on site.</p> <p>Eight pylons, with a (disturbance) footprint of approximately 225 m² will be placed within 32 m from watercourses on site, with a total footprint of 1 800 m² within 32 m of watercourses on site.</p> <p>Access tracks will also need to be built or upgraded within 32m of watercourses, and five watercourse crossings will also be required for access tracks.</p>
<p>GN R. 983 Item 19: The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from-</p> <p>(i) a watercourse;</p>	<p>Five watercourse crossings will be required for access tracks. Construction of these crossings will entail the infilling of more than 10 m³ of material at these watercourses.</p> <p>Maintenance of watercourse crossings during operations may also require the clearing of material from watercourses at these structures, triggering this activity.</p>
<p>GN R. 983 Item 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation</p>	<p>Although this activity is excluded during the construction of the project (powerlines and roads are linear infrastructure), more than 1 ha of vegetation may be cleared during maintenance activities.</p>

<p>is required for</p> <ul style="list-style-type: none"> (i) The undertaking of a linear activity (ii) Maintenance purposes undertaken in accordance with a maintenance management plan 	
<p>GN R. 985 Item 4: The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <ul style="list-style-type: none"> (i) Western Cape (ii) Areas outside urban areas (aa) Areas containing indigenous vegetation. 	<p>New access tracks with a width of between 4 and 6 m will need to be developed to access the pylons for construction and maintenance. Access track to pylons for construction and maintenance activities will be single lane tracks not exceeding 6 m in width.</p>
<p>GN R. 985 Item 12: The clearance of an area of 300 square metres or more of indigenous vegetation in the Western Cape</p> <ul style="list-style-type: none"> (i) Within an endangered ecosystem 	<p>The project will require the clearance of approximately 400 m² of Breede Alluvium Fynbos which is an Endangered vegetation type.</p>
<p>GN R. 985 Item 14: The development of infrastructure or structures with a physical footprint of 10 square metres or more</p> <ul style="list-style-type: none"> (a) within a watercourse; and (c) within 32 metres of a watercourse (i) outside urban areas: <ul style="list-style-type: none"> (aa) in a protected area identified in NEMPAA 	<p>Construction footprints at pylons 59, 60, 61, 62, 63 and 65, as well as the proposed watercourse crossing required to access pylons 64 and 65 will take place within 32 m of watercourses within a protected area.</p>
<p>GN R. 985 Item 18: The widening of a road by more than 4 metres; or the lengthening of a road by more than 1 kilometre.</p> <ul style="list-style-type: none"> (i) In the Western Cape: <ul style="list-style-type: none"> (ii) Outside urban areas <ul style="list-style-type: none"> (aa) Containing indigenous vegetation 	<p>Existing unsurfaced roads will be extended by more than 1 km to access pylons for construction and maintenance. Access tracks to pylons for construction and maintenance activities will be single lane tracks not exceeding 6 m in width.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

Eskom will undertake public participation to raise public and authority awareness of the proposed project. This public participation will include the:

The key activities are described in further detail below.

- Placement of notice boards (size A2) at the Romansrivier and Ceres Substations;
- Placement of an advertisement (in English and Afrikaans) in one local newspaper; and
- Notification of stakeholders in terms of Section 41 (2) (b) of GN R982 of 2014.

Stakeholders and the public will be invited to register on the stakeholder database for the project, in order to be informed of the release of the Basic Assessment Report (BAR) for comment.

Further public participation will include:

- Notification of registered stakeholders when the BAR is released for comment; and
- Notification of registered stakeholders of DEA's decision.

Comments received on the BAR will be collated into an Issues and Responses Summary which will be included with the Final BAR to be submitted to the DEA for decision making.

Proof of the notification of stakeholders will be provided in the Final BAR.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
SEMA's				
National Environmental Management: Air Quality Act	YES	NO ✓	YES	NO ✓
National Environmental Management: Biodiversity Act	YES	NO ✓	YES	NO ✓
National Environmental Management: Integrated Coastal Management Act	YES	NO ✓	YES	NO ✓
National Environmental Management: Protected Areas Act <i>To be confirmed during stakeholder engagement</i>	YES	NO	YES	NO
National Environmental Management: Waste Act	YES	NO ✓	YES	NO ✓
National legislation				
Mineral Petroleum Development Resources Act	YES	NO ✓	YES	NO ✓
National Water Act	YES ✓	NO	YES ✓	NO
National Heritage Resources Act	YES ✓	NO	YES ✓	NO
Others: Please specify	YES	NO ✓	YES	NO ✓

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment / Motivation For Exclusion	YES ✓	NO
Appendix 2	Strategic Infrastructure Projects	YES ✓	N/A
Appendix 3	List of Local Municipalities (with contact details)	YES	N/A ✓
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES ✓	NO
Appendix 5	List of SGIDs	YES ✓	N/A

Appendix 6	Project map	YES ✓	NO
Appendix 7	Project schedule	YES ✓	N/A
Appendix 8	Declaration of Applicant	YES ✓	NO
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES ✓	NO

APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS

**APPENDIX 3 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES**

N/A

**APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

**APPENDIX 6
PROJECT MAP**

**APPENDIX 7
PROJECT SCHEDULE**

**APPENDIX 8
DECLARATION OF THE APPLICANT**

APPENDIX 9
9.1 DECLARATION OF THE EAP

APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION