



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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Tel (+ 27 12) 399 9372

DEA Reference: 14/12/16/3/3/1/1867

Enquiries: Mr Lunga Dlova

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Mr Hendrik Reyneke
South African Mainstream Renewable Power Developments (Pty) Ltd
PO Box 45063
CLAREMONT
7735

Telephone Number: (021) 657 4050
Cell phone Number: (083) 264 3884
Email Address: hein.reyneke@mainstreamrp.com

PER E-MAIL / MAIL

Dear Mr Reyneke

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R326 AND GN R327 FOR THE PROPOSED CONSTRUCTION OF THE ITHEMBA ON-SITE ESKOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132KV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment (EIA) Regulations, 2014 (the Regulations) as amended, you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of Government Notice No.40772. In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, (the Regulations), as amended you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's decision in respect of your application as well as the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations, and the provisions regarding the submission of appeals as contained in the Regulations.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

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Appeals must be submitted in writing in the prescribed form to:

Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appealsdirector@environment.gov.za;

By hand: Environment House
473 Steve Biko,
Arcadia,
Pretoria,
0083; or

By post: Private Bag X447,
Pretoria,
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act (NEMA), 1998, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at https://www.environment.gov.za/documents/forms#legal_authorisations or request a copy of the documents at appealsdirector@environment.gov.za.

Yours faithfully



Mr Vusi Skosana
Acting Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Date: 27/06/2019

| | | | | |
|-----|---------------------------------|----------------------------|---------------------|--|
| cc: | Stephan Jacobs / Ms Andrea Gibb | SIVest SA (Pty) Ltd | Tel: (011) 798 0600 | Email: stephani@sivest.co.za / andreag@sivest.co.za |
| | Mr Brian Fisher | NCDENC | Tel: (053) 807 7300 | Email: bfisher@ncpg.gov.za |
| | Mr Riaan Van Wyk | Hantam Local Municipality | Tel: (027) 341 8500 | Email: socialdev1@hantam.gov.za |
| | Mr Obakeng Isaacs | Khai-Ma Local Municipality | Tel: (054) 933 1000 | Email: munman@khaima.gov.za |



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014 as amended

The construction of the Ithemba On-site Eskom Substation, linking substation and associated 132kV power line near Loeriesfontein in both the Hantam and Khai-Ma Local Municipalities within Northern Cape Province

Namakwa District Municipality

| | |
|---------------------------------------|--|
| Authorisation register number: | 14/12/16/3/3/1/1867 |
| Last amended: | <i>First issue</i> |
| Holder of authorisation: | <i>South African Mainstream Renewable Power Developments (Pty) Ltd.</i> |
| Location of activity: | <i>Northern Cape Province: Within the Hantam Local Municipality (Ward 5) and the Khai-Ma Local Municipality (Ward 4); Namakwa District Municipality.</i> |

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this environmental authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 the Department hereby authorises –

South African Mainstream Renewable Power Developments (Pty) Ltd.

(hereafter referred to as the holder of the authorisation)

with the following contact details –

Mr Hendrik Reyneke

South African Mainstream Renewable Power Developments (Pty) Ltd.

PO Box 45063

CLAREMONT

7735

Telephone Number: (021) 657 4050

Cell phone Number: (083) 264 3884

Email Address: hein.reyneke@mainstreamrp.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, (GN R. 326 and 327) EIA Regulations 2014, as amended, on 07 April 2017:

| Activity number | Activity description |
|--|--|
| <p>GN R 327 Activity 11: <i>"The development of facilities or infrastructure for the transmission and distribution of electricity-</i> <i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts</i></p> | <p>The proposed development will include the construction of on On-site Eskom Substation, a Linking Substation and associated power line. The proposed on-site Eskom Substation, Linking Substation and associated power line will be located outside an urban area and will have capacities of 132kV respectively.</p> |
| <p>GN R 327 Activity 12: <i>"The development of:</i> <i>ii) infrastructure or structures with a physical footprint of 100 square metres or more;</i> <i>where such development occurs-</i> <i>(a) within a watercourse;</i> <i>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse."</i></p> | <p>The Surface Water Specialist Assessment identified six (6) depression wetlands, twenty six (26) Major Drainage Lines (drainage line with a channel width >5m) and one hundred and seventy four (174) Minor Drainage Lines (drainage lines with a channel width <5m).</p> <p>A number of surface water features were identified within the proposed preferred power line corridor. However, this will depending on the location of the power line towers within the power line corridor, it is possible that the power line will affect these identified surface water features.</p> |
| <p>GN R 327 Activity 19: <i>"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 a watercourse"</i></p> | <p>The Surface Water Specialist Assessment revealed that there are surface water features located within the study area which might be impacted by the proposed development.</p> <p>The Surface Water Specialist Assessment identified six (6) depression wetlands, twenty six (26) Major Drainage Lines (drainage line with a channel width >5m) and one hundred and seventy four (174) Minor Drainage Lines (drainage lines with a channel width <5m).</p> <p>However, a number of surface water features were identified within the proposed preferred power line corridor . Depending on the location of the power line towers within the power line corridor, it is possible that</p> |

| Activity number | Activity description |
|--|--|
| | <p>the power line will affect these identified surface water features. Should construction activities take place within a watercourse, soil will need to be removed.</p> <p>Roads providing access to the substations and the power line servitude will need to be constructed through a number of watercourses and this will involve the removal and infill of material from the respective affected watercourses that may amount to more than 10 cubic metres.</p> |
| <p><u>GN R 327 Activity 27:</u> <i>"The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation"</i></p> | <p>The proposed development will include the construction of an On-site Eskom Substation and a Linking Substation. Mainstream are assessing areas of approximately 15 hectares and 36 hectares with regards to the On-site Eskom and Linking Substation sites respectively. However, only areas of approximately 7.5 hectares and 3 hectares will be used for the construction of the proposed On-Site Eskom Substation and Linking Substation, respectively.</p> <p>All vegetation on these sites will therefore need to be cleared for the construction of the substations and associated infrastructure and this will amount to an area greater than 1 hectare, but less than 20 hectares. According to the Biodiversity Specialist Assessment, the vegetation that will need to be cleared as a result of the proposed development was found to be in a natural state.</p> |
| <p><u>GN R 327 Activity 28:</u> <i>"Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:</i></p> | <p>The proposed project site is currently used for agricultural purposes, specifically commercial sheep farming, and the proposed project will result in an area greater than 1 hectare being transformed into an industrial land use.</p> |

| Activity number | Activity description |
|--|----------------------|
| (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;" | |

as described in the final Basic Assessment Report (FBAR) dated 19 March 2018 at:

LIST OF 21 SG Codes:

| PREFERRED Ithemba ON-SITE Eskom Substation | |
|--|--------------------------------|
| Farm Description | 21 Digit Surveyor General Code |
| Portion 2 of the Farm Graskoppies No. 176 (Western Portion). | C0150000000017600002 |

| PREFERRED LINKING Substation | |
|---|--------------------------------|
| Farm Description | 21 Digit Surveyor General Code |
| Portion 1 of the Farm Hartebeest Leegte No. 216 | C0150000000021600001 |

| PREFERRED Ithemba 132kV Power Line Corridor | |
|--|--------------------------------|
| Farm Description | 21 Digit Surveyor General Code |
| Portion 1 of the Farm Hartebeest Leegte No. 216 | C0150000000021600001 |
| Portion 2 of the Farm Graskoppies No. 176 | C0150000000017600002 |
| Portion 2 of the Farm Springbok Tand No. 215 | C0150000000021500002 |
| Portion 1 of the Farm Graskoppies No. 216 | C0150000000017600001 |
| Remainder of the Farm Springbok Tand No. 215 | C0150000000021500000 |
| Portion 7 of the Farm Konnes No. 183 | C0150000000018300007 |
| The Farm Buchfontein No. 184 | C0150000000018400000 |
| Portion 2 of the Farm Karree Doom Pan No. 214 | C0150000000021400002 |
| Portion 1 of the Farm Karree Doom Pan No. 214 | C0150000000021400001 |
| Portion 2 of the Farm Aan De Karree Doom Pan No. 213 | C0150000000021300002 |
| Remainder of the Farm Aan De Karree Doom Pan No. 213 | C0150000000021300000 |
| Portion 1 of the Farm Sous No. 226 | C0150000000022600001 |
| Portion 3 of the Farm Sous No. 226 | C0150000000022600003 |
| Remainder of the Farm Sous No. 226 | C0150000000022600000 |

Ithemba Substation, Linking substation and 132kV power line alternatives (preferred)

| PREFERRED ITHEMBA ON-SITE ESKOM SUBSTATION SITE | | | | |
|--|----------------------------|-------------------|-------------------|-------------------|
| Alternative | Area (Hectares) | Latitude | Longitude | |
| Option 1 | 7.5 | 30° 15' 51.374" S | 19° 19' 22.774" E | |
| PREFERRED LINKING SUBSTATION | | | | |
| Alternative | Area (Hectares) | Latitude | Longitude | |
| Option 1 | 3 | 30° 19' 23.315" S | 19° 20' 4.455" E | |
| PREFERRED ITHEMBA 132kV POWER LINE CORRIDOR | | | | |
| Corridor alternative | Approx. length (KM) | Points | Latitude | Longitude |
| Option 4 | 56 | Starting Point | 30° 14' 37.146" S | 19° 19' 18.197" E |
| | | Middle Point | 30° 19' 3.443" S | 19° 29' 7.715" E |
| | | End Point | 30° 19' 58.002" S | 19° 33' 37.699" E |

- for the construction of the Itthemba On-site Eskom Substation, linking substation and associated 132kV power line near Loeriesfontein in both the Hantam and Khai-Ma Local Municipalities within Northern Cape Province, hereafter referred to as "the property".

The project location is indicated in the locality plan and the powerline route coordinates (figure 1), attached as Annexure 2 of this authorisation.

The key technical details and infrastructure required is presented in the table below:

| Farm name and area | Technical details and infrastructure necessary for the proposed project |
|--|--|
| <p><u>On-site Eskom Substation:</u></p> <ul style="list-style-type: none"> • Portion 2 of the Farm Graskoppies No. 176 (Western Portion). <p><u>Linking Substation:</u></p> | <p>Grid connection for the Itthemba Wind Farm, which is part of a separate on-going EIA process, will be to the proposed On-site IPP Substation (namely the Itthemba Substation);</p> <ul style="list-style-type: none"> • The voltage capacities of the proposed On-site Eskom Substation and Linking Substation are anticipated to be up to 132kV respectively; <p>The On-site Eskom Substation and Linking Substation will be common substations connecting the Itthemba</p> |

| | |
|--|--|
| <ul style="list-style-type: none">● Portion 1 of the Farm Hartebeest Leegte No. 216. <p><u>Power Line:</u></p> <ul style="list-style-type: none">● Portion 2 of the Farm Graskoppies No. 176;● Portion 1 of the Farm Hartebeest Leegte No. 216;● Portion 2 of the Farm Springbok Tand No. 215;● Portion 1 of the Farm Graskoppies No. 176;● Remainder of the Farm Springbok Tand No. 215;● Portion 7 of the Farm Konnes No. 183;● The Farm Buchufontein No. 184● Portion 2 of the Farm Karree Doom Pan No. 214; | <p>Wind Farm projects (part of a separate on-going EIA process) to the Helios Main Transmission Substation (MTS);</p> <ul style="list-style-type: none">● Mainstream have assessed an area of approximately 15ha for the On-site Eskom Substation site. The proposed On-site Eskom Substation will however only occupy a maximum footprint area of approximately 7.5ha;● Mainstream have assessed an area of approximately 36ha for the Linking Substation site. The proposed Linking Substation will however only occupy a maximum footprint area of approximately 3ha;● A power line associated with the Ithemba On-site Eskom Substation and Linking Substation of up to 132kV is also proposed and will run from the proposed On-site Eskom Substation and Linking Substation to the existing Helios MTS;● An area of approximately 124ha will be cleared for the proposed power line servitude.● Ultimately an area of approximately 134.5ha is expected to be cleared for the entire proposed development. The surface area which is to be covered by the proposed development will however be confirmed during the detailed |
|--|--|

Conditions of this Environmental Authorisation

Scope of authorisation

1. The construction of the Ithemba On-site Eskom Substation, linking substation and associated 132kV power line near Loeriesfontein within the Hantam and Khai-Ma Local Municipalities in the Northern Cape Province as described above is hereby approved (as per the 21 SG Codes and geographic coordinates cited at the table reflected in page 5 and 6 above).
2. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.
6. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of **five (05) years** from the date of issue of this environmental authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
8. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

Notification of authorisation and right to appeal

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
 - 10.1. specify the date on which the authorisation was issued;
 - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 10.4. give the reasons of the competent authority for the decision.

Commencement of the activity

11. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014 and no appeal has been lodged against the decision. In terms of section 43(7), an appeal under section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

Management of the activity

12. The Environmental Management Programme (EMPr) submitted as part of the Application for EA must be amended to include final layout map of the pylons and submitted to the Department for written approval prior to commencement of the activity. The recommendations and mitigation measures recorded in the BAR dated 19 March 2018 must be incorporated as part of the EMPr. Once approved, the EMPr must be implemented and adhered to.

Frequency and process of updating the EMPr

13. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 30 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.

14. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
15. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 326. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
16. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R. 326. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
17. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 326.

Monitoring

18. The holder of the authorisation must appoint an experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
 - 18.1. The ECO must be appointed before commencement of any authorised activities.
 - 18.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
 - 18.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
 - 18.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

Recording and reporting to the Department

19. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department at Directorcompliance@environment.gov.za.
20. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department at Directorcompliance@environment.gov.za.
21. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 326.
22. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
23. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
24. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Notification to authorities

25. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

Operation of the activity

26. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

Site closure and decommissioning

27. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

Specific conditions

28. All surface water resources and buffer zones must be avoided as far as practically possible in the final layouts (including access / service roads and power lines, including tower positions) to be designed in order to minimise and potentially avoid potential impacts as far as possible.
29. No activities will be allowed to encroach into a water resource without a Water Use License.
30. Wetlands and drainage lines areas must be treated as "no-go" areas and demarcated as such.
31. Placement of pylons and other infrastructure within the High Sensitivity areas and drainage lines must be avoided.
32. Pre-construction walk-through of the approved development footprint must be conducted to ensure that sensitive habitats and species are avoided, where possible.
33. Ensure that lay-down and other temporary infrastructure are within low sensitivity areas, preferably previously transformed areas.
34. Minimise the development footprint as far as possible and rehabilitate disturbed areas that are no longer required by the operational phase of the development.
35. No discharge of effluents or polluted water must be allowed into any drainage lines or wetland areas.
36. You are required to oblige with Telkom standards and specifications as stated on the letter dated 20 February 2017, appended to the BAR dated March 2018
37. Liaison with land owners/farm managers must be done prior to construction in order to provide sufficient time for them to plan agricultural activities.
38. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options where appropriate. Where solid waste is disposed of, such disposal shall only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).
39. The powerline must be marked with Bird Flight Diverters (BFD's) for its entire length on the earth wire of the line, 5 metres apart, and alternating black and white.
40. Anti-collision devices such as bird flappers must be installed where power lines cross avifaunal corridors (e.g. drainage lines and wetland areas). The input of an avifaunal specialist must be obtained for the fitting

of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged.

41. Relevant permits must be obtained from relevant authorities for any removal or destruction of Threatened or Protected Species (TOPs).
42. Before the clearing of the site, the appropriate permits must be obtained from the Department of Agriculture, Forestry and Fisheries (DAFF) for the removal of plants listed in the National Forest Act and from the relevant provincial department for the destruction of species protected in terms of the specific provincial legislation. Copies of the permits must be kept by the Environmental Control Officer.
43. No exotic plants must be used for rehabilitation purposes; only indigenous plants of the area must be utilised.
44. A walk-down of the final layout must be conducted by a qualified archaeologist prior to construction. A report detailing the results of the walk-down must be submitted to SAHRA for comment and approval prior to construction. Construction must not commence without approval from SAHRA.

General

45. The recommendations of the EAP in the final BAR dated 19 March 2018 and the specialist studies attached must be adhered to. In the event of any conflicting mitigation measures and conditions of the Environmental Authorisation, the specific condition of this environmental authorisation will take preference.
46. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
 - 46.1. at the site of the authorised activity;
 - 46.2. to anyone on request; and
 - 46.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
47. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 27/06/2018



Mr Vusi Skosana

Acting Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Annexure 1: Reasons for Decision

1. Information used in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 29 March 2018.
- b) The information contained in the draft Basic Assessment Report dated 14 December 2017 and received on 08 January 2018.
- c) The information contained in the final Basic Assessment Report dated 19 March 2018 and received on 19 March 2018.
- d) The comments received from the following authorities: SAHRA, Northern Cape Department of Roads & Public Works, DWS, ESKOM, SENTECH, Vodacom, Telkom SA, BirdLife, Hantam Local Municipality, South African Civil Aviation Authority, and Commission on restitution of Land Rights and various interested and affected parties.
- e) The information contained in all the specialist studies contained within the appendices of the final BAR dated 19 March 2018.

2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The final BAR dated 19 March 2018 identified all legislation and guidelines that have been considered in the preparation of the final BAR.
- d) The location of On-site Eskom Substation, linking substation and 132kV power line positions presented in the final BAR and relative to other authorised developments in the area.
- e) The methodology used in assessing the potential impacts identified in the final BAR dated 19 March 2018 and the specialist studies have been adequately indicated.
- f) The findings of the site inspection held on 06 June 2018.
- g) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 (as amended) for public involvement.

3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the final BAR dated 19 March 2018 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the final BAR dated 19 March 2018 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) The EMPr proposed the mitigation measures for the pre-construction, construction and rehabilitation phases of the development and were included in the final BAR. The Mitigation measures will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

Annexure 2: Locality Plan

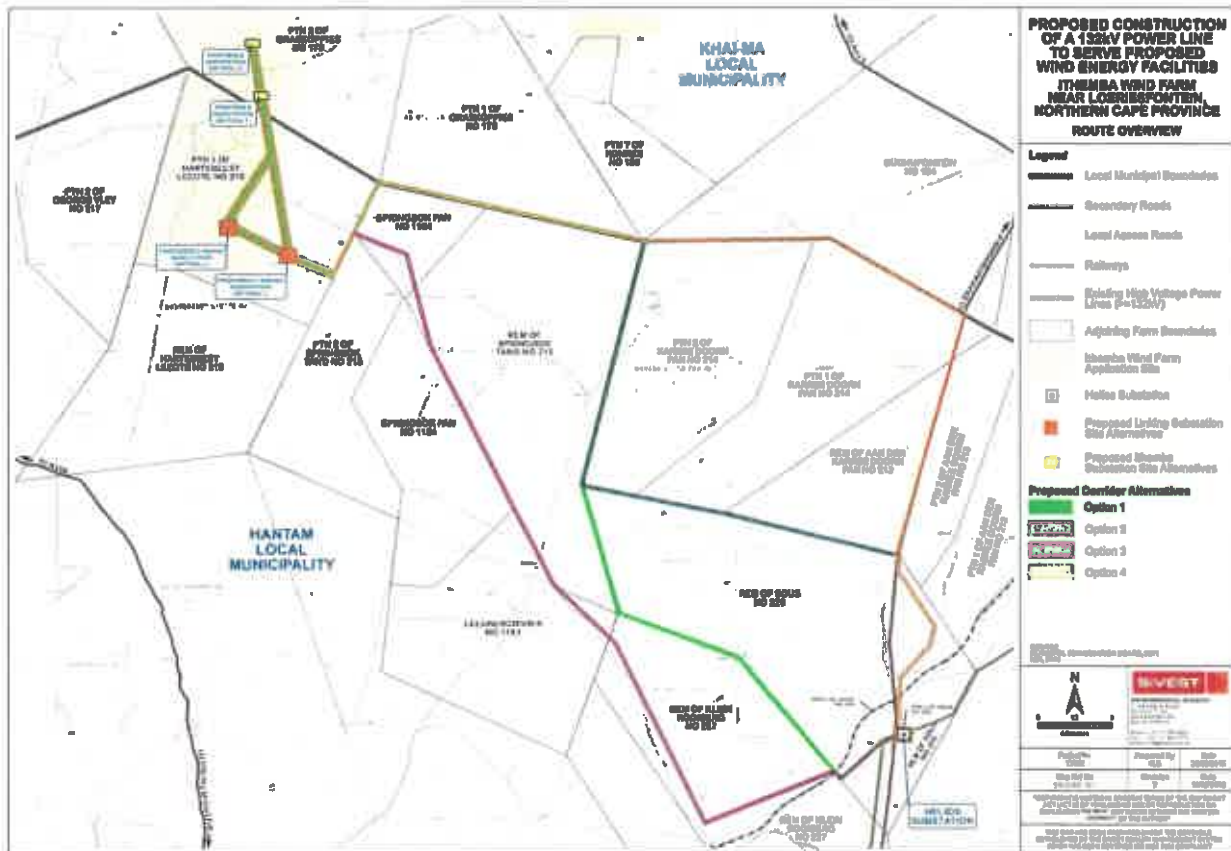


Figure 1: Route overview for the proposed Ithemba On-site Eskom Substation, 132kV Linking Substation and associated 132kV power line.

Preferred powerline coordinates:

| Ithemba 132kV Power Line Corridor Option 1 - Centre Line | | |
|--|------------------|------------------|
| Coordinates at bend points (DD MM SS.sss) | | |
| Point | South | East |
| 1 (Start) | S30° 14' 37.146" | E19° 19' 18.197" |
| 2 | S30° 17' 8.488" | E19° 19' 42.845" |
| 3 | S30° 18' 40.914" | E19° 18' 43.017" |
| 4 | S30° 19' 23.270" | E19° 20' 6.307" |
| 5 | S30° 19' 48.457" | E19° 21' 4.551" |
| 6 | S30° 17' 44.939" | E19° 22' 5.093" |
| 7 | S30° 19' 3.332" | E19° 27' 55.703" |

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| | | |
|---------------------|------------------|------------------|
| 8 | S30° 24' 25.510" | E19° 26' 32.264" |
| 9 | S30° 27' 16.811" | E19° 27' 22.109" |
| 10 | S30° 28' 14.635" | E19° 29' 59.801" |
| 11 | S30° 30' 56.963" | E19° 32' 14.558" |
| 12 | S30° 30' 6.570" | E19° 33' 9.965" |
| 13 | S30° 29' 59.917" | E19° 33' 26.116" |
| 14 End (Helios MTS) | S30° 29' 58.002" | E19° 33' 37.699" |



environmental affairs

Department
Environmental Affairs
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Mr. Vusi Skosana
Director: Strategic co-ordination planning and support

Dear Mr. V Skosana

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS FOR THE PERIOD 18 JUNE 2018 UNTIL 29 JUNE 2018 (2 WEEKS).

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated environmental authorisations for the period 18 June 2018 until 29 June 2018 whilst Mr. Sabelo Malaza is on Annual Leave.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorisations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1998 (Proclamation No. 21 of 1998), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of this legislation and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Mr Ismaam Abader

DDG : LACE

Date:

14/06/2018

ACKNOWLEDGEMENT

I ACCEPT / DO NOT ACCEPT appointment as Acting Chief Director: Integrated environmental authorisations

Signed: [Signature]

Date: 14/06/2018