



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

DEA Reference: 12/12/20/2289/1

Enquiries: Ms Sindiswa Dlomo

Telephone: (012) 395 1856 **Fax:** (012) 320 7539 **E-mail:** Sdlomo@environment.gov.za

Mr Alam Wolfrohm
Banna ba Pifhu Wind Farm (RF) (Pty) Ltd
PO Box 762
WILDERNESS
6560

Telephone Number: (044) 877 0564
Fax Number: (086) 610 2779

PER FACSIMILE / MAIL

Dear Mr Wolfrohm

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543/544/546 FOR THE CONSTRUCTION OF THE PROPOSED ELECTRICAL GRID CONNECTION FOR THE PROPOSED BANNA BA PIFHU 30.6 MW WIND ENERGY FACILITY ON THE BROADLANDS FARM NEAR HUMANSDORP IN THE KOUGA LOCAL MUNICIPALITY OF THE CACADU DISTRICT MUNICIPALITY, EASTERN 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 10(2) of the Environmental Impact Assessment Regulations, 2010 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 12 (twelve) days of the date of the EA, of the Department's decision in respect of your application as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 7 of the Regulations, which prescribes the appeal procedure to be followed. This procedure is summarised in the attached document. Kindly include a copy of this document with the letter of notification to interested and affected parties.

Should the applicant or any other party wish to appeal any aspect of the decision a notice of intention to appeal must be lodged by all prospective appellants with the Minister, within 20 days of the date of the EA, by means of one of the following methods:

By facsimile: 0123207561;
By post: Private Bag X447,
Pretoria, 0001; or

SUE-MARI VAN WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442
Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

By hand: 2nd Floor, Fedsure Building, North Tower,
Cnr. Lilian Ngoyi (Van der Walt) and Pretorius Streets,
Pretoria.

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection, should you intend to submit an appeal.

Please include the Department (*Attention: Director: Integrated Environmental Authorisations*) in the list of interested and affected parties, notified through your notification letter to interested and affected parties, for record purposes.

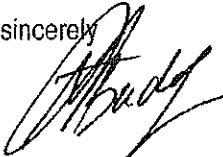
Appeals must be submitted in writing to:

Mr Z Hassam, Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-310-3271
Email: AppealsDirectorate@environment.gov.za

The authorised activities shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that the Minister may, on receipt of appeals against the authorisation or conditions thereof suspend the authorisation pending the outcome of the appeals procedure.

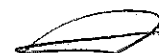
Yours sincerely



Mr Ishaam Abader
Deputy Director-General: Legal, Authorisations, Compliance and Enforcement
Department of Environmental Affairs

Date: 21/01/2014

CC	Mr Paul Lochner	CSIR	Tel: 021-888-2661	Fax: 021-888-3646
	Mr A Struwig	Eastern Cape DEDET	Tel: 014-508-5815	Fax: 041-585-1958
	Ms K Strydom	Kouga Local Municipality	Tel: 042-293-2517	Fax: 086-523-1710



SUE-MARI VAN WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442
Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF THE NEMA EIA REGULATIONS, 2010 (THE REGULATIONS) AS PER GN R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ENVIRONMENTAL AUTHORISATION (EA)

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive EA from the relevant Competent Authority (the Department of Environmental Affairs [DEA]).	1. Receive EA from Applicant/Consultant.
2. Within 12 days of date of the EA notify all IAPs of the EA and draw their attention to their right to appeal against the EA in terms of Chapter 7 of the Regulations.	2. N/A.
3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Water and Environmental Affairs (the Minister).	3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA. with the Minister of Water and Environmental Affairs (the Minister).
4. After having submitted your notice of intention to appeal to the Minister, provide each registered IAP with a copy of the notice of intention to appeal within 10 days of lodging the notice.	4. After having submitted your notice of intention to appeal to the Minister, provide the applicant with a copy of the notice of intention to appeal within 10 days of lodging the notice.
5. The Applicant must also serve on each IAP: <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection. 	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.
6. The appeal must be submitted in writing to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.	6. The appeal must be submitted to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.
7. Any IAP who received a notice of intention to appeal may submit a responding statement to that appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.	7. An Applicant who received notice of intention to may submit a responding statement to the appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.

NOTES:

1. **An appeal against a decision must be lodged with:-**
 - a) the Minister of Water and Environmental Affairs if the decision was issued by the Director-General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
 - b) the Minister of Justice and Constitutional Development if the applicant is the Department of Water Affairs and the decision was issued by the Director-General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;

2. **An appeal lodged with:-**
 - a) the Minister of Water and Environmental Affairs must be submitted to the Department of Environmental Affairs;
 - b) the Minister of Justice and Constitutional Development must be submitted to the Department of Environmental Affairs;

3. **An appeal must be:-**
 - a) submitted in writing;
 - b) accompanied by:
 - a statement setting out the grounds of appeal;
 - supporting documentation which is referred to in the appeal; and
 - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62.


SUE-MARI VAN WYK
 Commissioner of Oaths (SA)
 Chartered Accountant (SA)
 Registration number 20017442
 Mazars
 132 MITCHELL STREET, GEORGE
 3 Practise number: 900222
 Tel: 0448745022





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

in terms of Regulation 36 of the Environmental Impact Assessment Regulations, 2010

Construction the proposed electrical grid connection for the proposed 30.6 MW Banna ba Pifhu
Wind Farm near Humansdorp, to be located on Broadlands Farm, in the Kouga Local
Municipality, Eastern Cape province

Cacadu District Municipality

Authorisation register number:	12/12/20/2289/1
Last amended:	First issue
Holder of authorisation:	Banna ba Pifhu Wind Farm (RF) (Pty) Ltd
Location of activity:	Remainder of Farm 688 Portion 2 of Farm 689 Portion 15 of Farm 689 Portion 1 of Farm 868 Kouga Local Municipality Cacadu District Municipality EASTERN CAPE PROVINCE

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.


SUE-MARLVAN-WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442
Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

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 activity specified below.

Non-compliance with a condition of this 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 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises –

Banna ba Pifhu Wind Farm (RF) (Pty) Ltd

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Mr Alam Wolfromm

Banna ba Pifhu Wind Farm (RF) (Pty) Ltd

PO Box 762

WILDERNESS

6560

Telephone Number: (044) 877 0564

Fax Number: (086) 610 2779

Cell phone Number: (082) 529 4909

E-mail Address: Wolfromm@wkn-windcurrent.com

to undertake the following activity (hereafter referred to as "the activity") indicated in Listing Notices 1 (GN R. 544):

Listed activities	Activity/Project description
<p><u>GN R. 544 Item 10:</u> "The construction of facilities or infrastructure for the transmission and distribution of electricity – (i) Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts."</p>	<p>A new 66 kV substation will be constructed on site to connect the distribution or transmission system. A new power line will be constructed to connect to the 66kV Eskom grid line. The connection from the new substation to the existing 66 kV Melkhout /St Francis overhead power line will be via underground cabling or a new 66 kV power line.</p>
<p><u>GN R. 544 Item 11:</u> "The construction of: (xi) infrastructure or structures covering 50 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line."</p>	<p>The final layout may result in electrical infrastructure or other infrastructure encroaching within 32 m of a watercourse.</p>
<p><u>GN R. 544 Item 18 (i):</u> "The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from: (i) a watercourse."</p>	<p>The construction of the power line could necessitate crossing of a wetland and thus, infilling of more than 5 m³</p>
<p><u>GN R. 546 Item 12:</u> "The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation." (a) Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA</p>	<p>This will depend on the area of indigenous vegetation to be cleared and whether it falls within the threatened Renosterveld vegetation on site (NEMBA listed – endangered – Humansdorp Shale Renosterveld)</p>

Listed activities	Activity/Project description
<p>or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</p> <p>(b) Within critical biodiversity areas identified in bioregional plans;</p>	
<p><u>GN R. 546 Item 16:</u></p> <p>"The construction of:</p> <p>(iii) buildings with a footprint exceeding 10 square metres in size; or</p> <p>(iv) infrastructure covering 10 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse."</p> <p>(a) Eastern Cape</p> <p>(ii) Outside urban areas:</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>This might apply depending on the location of roads and electrical infrastructure which may cross one of the water courses on the site. It is probable that water courses will be crossed, which will run west-east through the site</p>

as described in the amended EIAr dated December 2013 at:

	Longitude	Latitude
Power line option 3 - Start	24°47'15.27"E	34° 3'58.58"S
Middle	24°47'31.10"E	34° 4'0.78"S
End	24°47'56.74"E	34° 4'4.48"S

- for the construction the proposed electrical grid connection for the proposed 30.6MW Banna ba Pifhu Wind Farm, on Broadlands Farm (the Remainder of Farm 688, Portion 2 of Farm 689, Portion 15 of Farm 689 and Portion 1 of Farm 868), near Humansdorp, within the Kouga Local Municipality of the Cacadu District Municipality, Eastern Cape Province, hereafter referred to as "the property".

The infrastructure associated with the grid connection works include:

- New substation on site to connect to the distribution transmission system (maximum size of 100 m x 100 m). The wind farm will connect to the existing 66 kV Melkhout / St Francis overhead power line which passes through the site; and
- Connection to the Eskom grid line will be via 66kV underground cabling or overhead power line supported on intermediate poles.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred power line (Option 3, using either an overhead power line or an underground cable), routed as per the abovementioned geographic coordinates is approved. The overhead power line or underground cable must follow the same alignment as the geographic coordinates provided above.
2. Construction of this project may only commence once the Banna ba Pifhu Wind Farm (12/12/20/2289) has commenced with the construction phase.
3. Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
4. 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.
5. The activities authorised may only be carried out at the property as described above.
6. Any changes to, or deviations from, the project description set out in this 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 authorisation in terms of the regulations.
7. This activity must commence within a period of three (03) years from the date of issue of this 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 authorisation constitutes commencement of all authorised activities.
9. The holder of an environmental authorisation must notify the competent authority of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.

Notification of authorisation and right to appeal

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
11. The notification referred to must –
 - 11.1. specify the date on which the authorisation was issued;
 - 11.2. inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment Regulations, 2010;
 - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 11.4. give the reasons of the competent authority for the decision.
12. The holder of the authorisation must publish a notice –
 - 12.1. informing interested and affected parties of the decision;
 - 12.2. informing interested and affected parties where the decision can be accessed; and
 - 12.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2)(c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.

Management of the activity

13. The Environmental Management Programme (EMPr) submitted as part of the amended EIAr is not approved and must be amended to include measures as dictated by the final site lay-out map and micro-siting; and the provisions of this environmental authorisation. The EMPr must be made available for comments by registered interested and affected parties and the applicant must consider such comments. Once amended, the final EMPr must be submitted to the Department for

- written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhered to.
14. The EMPr is amendable and must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
 15. Changes to the EMPr, which are environmentally defensible, shall be submitted to this Department for acceptance before such changes could be effected.
 16. The Department reserves the right to amend the EMPr should any impacts that were not anticipated or covered in the amended EIAr be discovered.
 17. The provisions of the approved EMPr including recommendations and mitigation measures in the amended EIAr and specialist studies shall be an extension of the conditions of this EA and therefore noncompliance with them would constitute noncompliance with the EA.
 18. The following must be included in the amended final EMPr:
 - Final layout of the proposed power line, including final tower positions and their GPS coordinates;
 - The findings and recommendations made by the avifaunal specialist and the botanist as per conditions 35 and 36, under specific conditions.
 - EMPr must include all other licenses and permits required for the construction of the proposed development.
 19. Once approved, the EMPr must be implemented and adhered to.

Monitoring

20. The applicant must appoint a suitably 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 authorisation are implemented and to ensure compliance with the provisions of the EMPr.
- 20.1. The ECO shall be appointed before commencement of any authorised activity.
- 20.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
- 20.3. The ECO shall keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.

- 20.4. The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.
- 20.5. 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.

Recording and reporting to the Department

21. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the *Director: Compliance Monitoring* at the Department.
22. The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.
23. The environmental audit report 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 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.

Commencement of the activity

25. The authorised activity shall not commence within twenty (20) days of the date of signature of the authorisation.
26. An appeal under section 43 of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended), does not suspend an environmental authorisation or exemption, or any provisions or conditions attached thereto, or any directive, unless the Minister, MEC or delegated organ of state directs otherwise.
27. Should you be notified by the Minister of a suspension of the authorisation pending appeal procedures, you may not commence with the activity until such time that the Minister allows you to commence with such an activity in writing.

Notification to authorities

28. Fourteen (14) days written notice must be given to the Department that the activity will commence. 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. This notification period may coincide with the Notice of Intent to Appeal period.

Operation of the activity

29. Fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.

Site closure and decommissioning

30. Should the activity ever cease or become redundant, the applicant shall 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

31. Activities which require a Water Use License must not be allowed to encroach into a water resource without a water use licence being in place from the Department of Water Affairs.
32. The facility must be designed to discourage the use of infrastructure components as perching or roosting substrates by birds and bats.
33. Anti-collision devices such as bird flappers must be installed where power lines cross avifaunal corridors (e.g. grasslands, rivers, wetlands, and dams). 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. Additional areas of high sensitivity along the preferred alignment must also be identified by the avifaunal specialist for the fitment of anti-collision devices. These devices must be according to Eskom's Transmission and EWT's Guidelines.
34. All power lines linking wind turbines to each other and to the internal substation must be buried. Only power lines linking the wind energy facility to the grid may be above the ground.

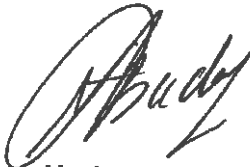
35. A pre-construction walk through on the selected power line alignment by a bat specialist, avifaunal specialist and ecologist, must be conducted to ensure that the micro-siting of the turbines has the least possible impact, there are no nests sites of priority species on or close to the construction corridor, and all protected plant species impacted are identified.
36. A botanist must be appointed to perform a final walkthrough of the alignment to identify sensitive plant species, and assist in identifying the areas that require protection once final pylon positions are pegged.
37. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous protected and endangered plant and animal species.
38. Copies of all permits required for the construction of the proposed must be submitted to the Department for record keeping.
39. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
40. Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.
41. Construction must include appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
42. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste shall be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

General

43. A copy of this authorisation and the approved EMPr must be kept at the property where the activity/ will be undertaken. The authorisation and approved EMPr must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.
44. The holder of the authorisation must notify both the *Director: Integrated Environmental Authorisations* and the *Director: Compliance Monitoring* at the Department, in writing and within 48 (forty eight) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.

45. 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 authorisation or his 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 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: 21 July 2014



Mr Ishaam Abader

Deputy Director-General: Legal, Authorisations, Compliance and Enforcement
Department of Environmental Affairs


SUE-MARI VAN WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442
Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

Annexure 1: Reasons for Decision

1. Information considered in making the decision

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

- a) The information contained in the amended EIAr;
- b) The comments received in the EIAr included *inter alia*: the South African Heritage Resources Agency (SAHRA), Birdlife South Africa, South African National Roads Agency, Department of Water Affairs, Eskom, Department of Agriculture, Forestry and Fisheries (DAFF), Civil Aviation Authority, Department of Roads and affected parties;
- c) Mitigation measures as proposed in the amended EIAr and the EMPr;
- d) The information contained in the specialist studies contained in the amended EIAr;
- e) The information contained in the specialist studies contained within Annexure E - M of the amended EIAr included, *inter alia*:

Title	Prepared by	Date
Economic Impact Assessment	Dr Hugo van Zyl: Independent Economic Researchers	-
Agricultural and soil study	Johann Lanz	-
Impact on Flora and Fauna	Mr Jamie Pote	January 2011 – May 2011
Bird Impact	Chris van Rooyen	March 2011 – March 2012
Bat Study	Natural Scientific Services	April 2012 to April 2013
Heritage Impact Assessment	Dr Johan Binneman: Eastern Cape Heritage Consultants	-
Palaeontological Impact Assessment	John E Almond	-
Visual Impact Assessment	Henry Holland	January 2011
Noise Impact	Mr Brett Williams: Safetrain CC (Safetech). Technical review was done by Sound Research Laboratories South Africa.	October 2011 (Calibration of equipment)

Wetland and Aquatic Impact Assessment	Scherman Colloty and Associates	January 2012
---------------------------------------	---------------------------------	--------------

- f) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act 107 of 1998).

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 EIAr identified all legislation and guidelines that have been considered in the preparation of the EIAr.
- c) The 12 months (four (4) seasons) Bat and Avifaunal Monitoring Report.
- d) The need for the proposed project stems from the provision of electricity to the national grid in terms of the Renewable Energy Independent Power Producers Procurement Programme (REIPPPP) and the provision of electricity from Independent Power Producers (IPPs) as required by the Department of Energy.
- e) The proposed Banna ba Pifhu Wind Farm is located outside the proposed Eskom's Nuclear 1 Transmission Lines Corridors and therefore has no impact on Nuclear 1.
- f) The proposed facility has no impact on the proposed transmission lines for Nuclear 1 since it is feasible to cross the 66 kV power line with the 400kv power line.
- g) The DAFF does not object to the proposed, this is subject to the position of various wind turbines.
- h) The amended EIAr identified all legislation and guidelines that have been considered in the preparation of the amended EIAr.
- i) The methodology used in assessing the potential impacts identified in the EIAr and the specialist studies have been adequately indicated.
- j) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.

SUE-MARLVAN WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442



Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

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 EIAr 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 proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) The information contained in the EIAr is deemed to be accurate and credible.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAr and will be implemented to manage the identified environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity 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 proposed activity can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.


SUE-MARI VAN WYK
Commissioner of Oaths (SA)
Chartered Accountant (SA)
Registration number 20017442
Mazars
132 MITCHELL STREET, GEORGE
Practise number: 900222
Tel: 0448745022

