

**PROPOSED AMENDMENT OF THE UKOMELEZA WIND ENERGY FACILITY
ENVIRONMENTAL AUTHORISATION.**

DRAFT PART 2 AMENDMENT REPORT

12/12/20/2085/3

PREPARED FOR:



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NOVEMBER 2019

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REVISIONS TRACKING TABLE



Report Title: Part 2 EA Amendment Report
Report Version: Final
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NAME	RESPONSIBILITY	DATE
Ms Caroline Evans	Lead Author	October 2019
Ms Rosalie Evans	GIS & Co-Author	October 2019
Dr Alan Carter	Quality Control	October 2019

INFORMATION REQUIRED BY THE COMPETENT AUTHORITY

The Environmental Impact Assessment (EIA) Regulations, promulgated in terms of the National Environmental Management Act (NEMA, Act no. 107 of 1998 as amended) dated 8th of December 2014, were amended on the 7th of April 2017. In terms of Section 32 of Chapter 5 of the EIA Regulations (2014 and subsequent 2017 amendments), an Amendment Report must accompany the application made in terms of Section 31 and must include –

CONTENTS OF THE AMENDMENT REPORT	CHAPTER
32 (1) The applicant must within <u>90 days of receipt by the competent authority of the application made in terms of regulation 31, submit to the competent authority –</u>	CHAPTER
(a) A report, reflecting –	
An assessment of all impacts related to the proposed change;	CHAPTER 4
Advantages and disadvantages associated with the proposed change;	CHAPTER 5
Measures to ensure avoidance, management and mitigation of impacts associated with such proposed change; and	CHAPTER 7
Any changes to the EMP.	CHAPTER 7
Which report –	
aa. Had been subjected to a Public Participation Process (PPP), which had been agreed to by the competent authority, and which was appropriate to bring the proposed change to the attention of potential and registered interested and affected parties, including organs of state, which have jurisdiction in respect of any aspect of the relevant activity, and the competent authority, and	CHAPTER 6
bb. Reflects the incorporation of comments received, including any comments of the competent authority; or	APPENDIX B
(b) A notification in writing that the report will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the report, which changes or information was not contained in the report consulted on during the initial PPP contemplated in sub-regulation (1) (a) and that the revised report will be subjected to another PPP of at least 30 days.	
32 (2) In the event where sub-regulation (1) (b) applies, the report, which reflects the incorporation of comments received, including any comments of the competent authority, must be submitted to the competent authority within 140 days of receipt of the application by the competent authority.	

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1 INTRODUCTION

Ukomeleza Wind Power (Pty) Ltd, a subsidiary of EDF Renewables (Pty) Ltd (previously known as InnoWind) plans to develop the Ukomeleza Wind Energy Facility (WEF) near Uitenhage in the Sundays River Valley Local Municipality, Eastern Cape Province.

The Applicant is proposing an amendment to the turbine specifications, an extension of the validity of the EA and edits to the current EA and subsequent amendments (AM1-3).

1.2 PROPOSED AMENDMENTS

1.1.1 Substantive Amendments

The applicant is proposing the following substantive amendments:

ASPECT	AUTHORISED	PREVIOUS AMENDMENTS	THIS AMENDMENT	CHANGE
Total Output Capacity	24MW	28MW (AM3)	40MW	INCREASE (12MW)
Rotor Diameter	100m	132m (AM3)	Up to 175m	INCREASE (43m)
Concrete Foundations	20m ² and 3m deep	25m ² and 3m deep	30m ² and 3m deep	INCREASE (5m ²)
Facility Footprint	4.3ha	None	Up to 5ha	INCREASE (0.7ha)
Road Width	Unspecified Construction Width and 4m Operational Width	Unspecified Construction Width and 8m Operational Width	14m Construction Width and 8m Operational Width	INCREASE (specifying construction width – 6m)

1.1.2 Non-substantive Amendments

The applicant is proposing the following non-substantive amendments:

ASPECT	AUTHORISED	PREVIOUS AMENDMENTS	THIS AMENDMENT	CHANGE
Hub Height	100m	137m (AM3)	Up to 137m	CHANGE IN WORDING (0m)
Changed of wording (substation)	“Each turbine will be connected to the Grassridge and Motherwell Substation via underground cable of approximately 33kV” (AM3)	“Each turbine will be connected to the Grassridge and Motherwell Substation via underground cable of approximately 33kV” (AM3)	“Each turbine will be connected to the Grassridge and Motherwell Substation via underground cable of approximately 33kV” (AM3)	CHANGE IN WORDING (0m)
Changed of wording (roads)	“Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide” (AM3)	“Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide” (AM3)	“Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide” (AM3)	CHANGE IN WORDING (0m)
Validity of EA	28 th March 2020		28 th March 2025	INCREASE (5 years)

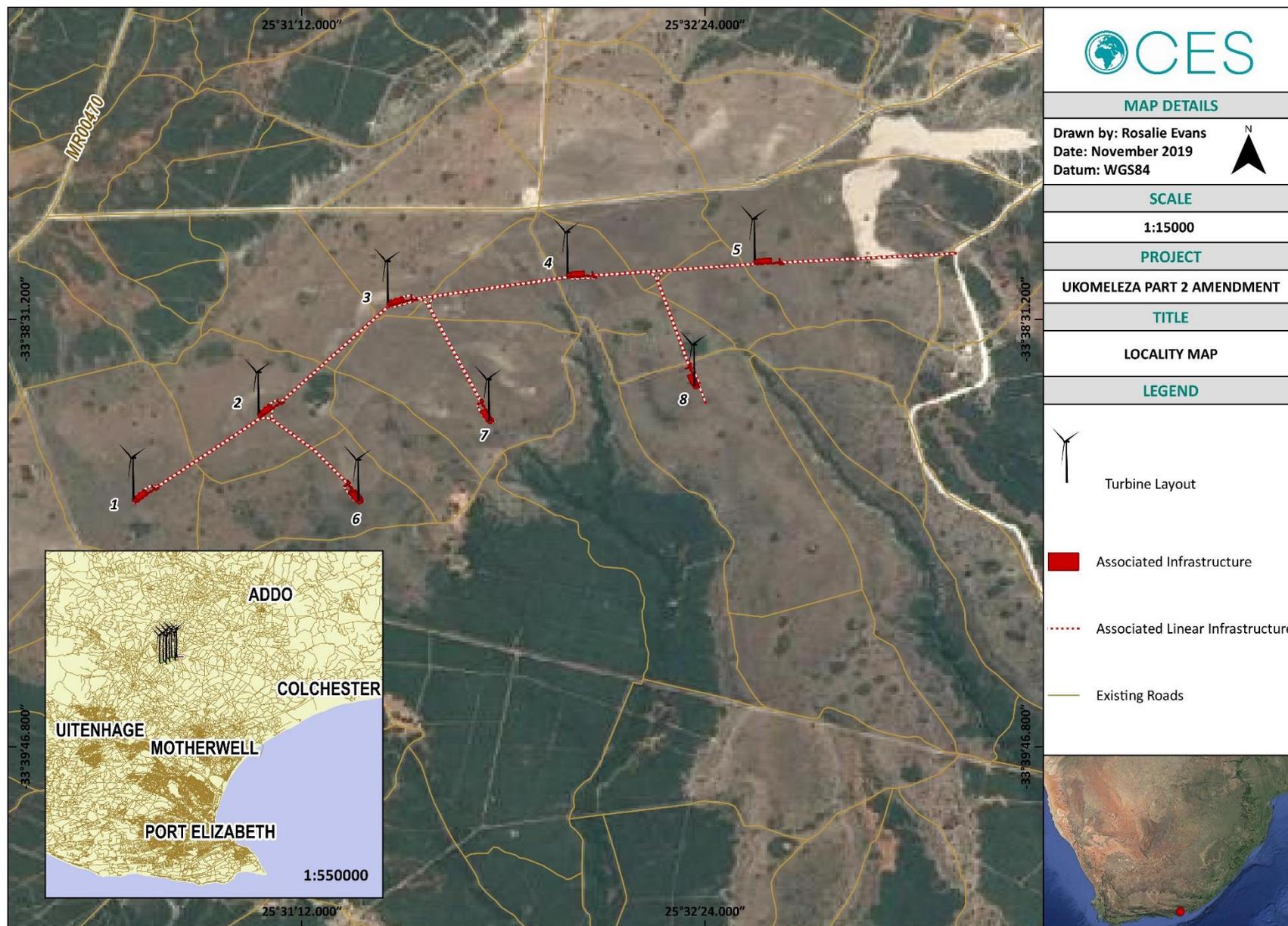


Figure 1.1: Locality Map of the Proposed Ukomeleza WEF.

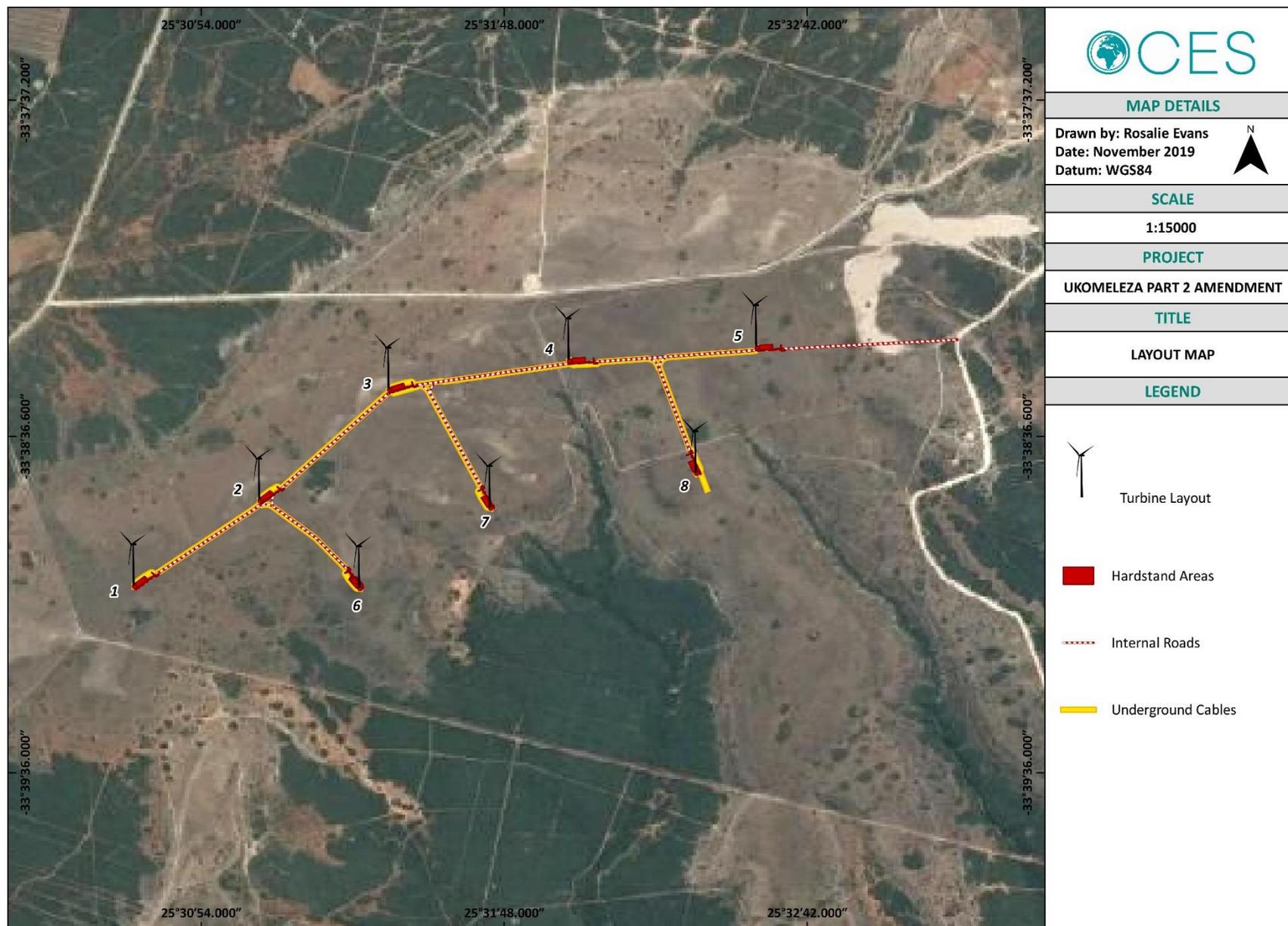


Figure 1.2: Layout Map of the Proposed Ukomeleza WEF.

2 MOTIVATION & UNDERTAKING



13 November 2019

To: Department of Environmental Affairs
Environment House
473 Steve Biko Road
Arcadia
Pretoria
Att: Chief Director – Integrated Environmental Authorisations

Dear Sir/Madam,

RE: UKOMELEZA WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE AMENDMENT
DEA REFERENCE: 12/12/20/2085/3

This letter serves as a formal request for the amendment of the Ukomeleza Wind Energy Facility's Environmental Authorisation ("EA") dated 28 March 2013 with DEA Reference No. 12/12/20/2085/3.

The developer intends to keep the EA of this project valid, to see the projects through to be bid into the next round of the governments' Renewable Energy Independent Power Producers Procurement Programme ("REIPPPP"). Additionally, this project will be able to benefit the rural communities of the Nelson Mandela Bay Municipality in the Eastern Cape with job creation as well as community development initiatives that the project has to offer during its construction and operational phases.

It is with this intention that we sincerely request that the Department of Environmental Affairs processes the Amendment Application speedily to have the projects ready for the next bid submission date which we anticipate to be in March 2020.

Should you require any additional information, please feel free to contact me. I appreciate your time on this matter.

I trust that the above is in order and await your reply.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Warren Randall", written over a horizontal line.

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3 PROPOSED AMENDMENTS

3.1 REQUESTED AMENDMENTS TO THE ENVIRONMENTAL AUTHORISATION

3.1.1 Amendment to project description

The original EA contained the following project description:

Table 3.1: Authorised Project Description

<p>The project infrastructure will consist of the following components:</p> <ul style="list-style-type: none"> • Maximum output of approximately 24 Mega Watts. • 8 wind turbines and each turbine will consist of approximately 100m high steel tower and nacelle, a rotor of approximately 100m diameter consisting of 3 blades and each blade is approximately 50 m long; • Each turbine will be connected to the Grassridge and Motherwell substation via underground cable of approximately 22 KV; • Concrete foundations of approximately 20m² and 3m deep; • An overhead power line (132 KV distribution line) feeding into the electricity distribution network/grid; and • Construction of an access road to the proposed Grassridge wind farm. The access road will be approximately 4m wide.
<p>The total footprint of the proposed development will be 4.3 ha.</p>

This was then amended in November 2016 (AM3) to the following project description:

Table 3.2: Amended Project Description, 2016 (AM3)

<p>The project infrastructure will consist of the following components:</p> <ul style="list-style-type: none"> • Maximum output of approximately 28MW; • 8 wind turbines and each turbine will consist of approximately 137m high steel or concrete tower and nacelle, a rotor of approximately 132m diameter consisting of 3 blades of approximately 62m long; • Each turbine will be connected to the Grassridge and Motherwell substation via the underground cable of approximately 22kV (<i>*note: this was amended to a 33kV powerline with a BA process, REF: 14/12/16/3/3/1/1678</i>); • Concrete foundations of approximately 25m² and 3m deep; • An overhead power line (132kV distribution line) feeding into the electricity distribution network/grid; and • Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide.
<p>The total footprint of the proposed development will be 4.3ha.</p>

This proposed amendment would result in the following changes (changes first edited in table A and then issued in corrected format in the table B):

Table 3.3: Proposed Amended Project Description, 2019, A: with edits

<p>The project infrastructure will consist of the following components:</p> <ul style="list-style-type: none"> • Maximum output of approximately 28MW 40MW;

- 8 wind turbines and each turbine will consist of approximately 137m up to 137m high steel or concrete tower and nacelle, a rotor of approximately 132m up to 175m diameter consisting of 3 blades of approximately 62m 90m long;
- Each turbine will be connected to the Crossridge and Motherwell substation via the underground cable of approximately 33Kv;
- Concrete foundations of approximately 25m² 30m² and 3m deep;
- An overhead power line (132kV distribution line) feeding into the electricity distribution network/grid; and
- Construction of an access road to the proposed Crossridge Wind Farm. The access roads will be approximately 14m wide during construction, rehabilitated to 8m wide during operations.

The total footprint of the proposed development will be 4.3ha 5ha.

Table 3.4: Proposed Amended Project Description, 2019, B clean

The project infrastructure will consist of the following components:

- Maximum output of approximately 40MW
- 8 wind turbines and each turbine will consist of up to 137m high steel or concrete tower and nacelle, a rotor of up to 175m diameter consisting of 3 blades of approximately 90m long.
- Each turbine will be connected via the underground cable of approximately 33kV;
- Concrete foundations of approximately 30m² and 3m deep;
- An overhead power line (132kV distribution line) feeding into the electricity distribution network/grid; and
- Construction of an access road to the proposed Wind Farm. The roads will be approximately 14m wide during construction, rehabilitated to 8m wide during operations.

The total footprint of the proposed development will be 5ha.

3.2 MOTIVATION FOR ABOVE LISTED AMENDMENTS

Since the amended Environmental Authorisation which was issued on the 28th March 2013, renewable energy and more specifically the harvesting of wind energy, has developed into a highly global industry. The growth of the industry has allowed for vast amounts of research and technological advancement with regard to the components and models of turbines. The requested increase in the size of the turbines and associated components is to accommodate more technically advanced and efficient turbine models. The original turbine specifications are now outdated and new technology allows for larger turbines (as assessed in this report). It is therefore requested that the output be increased to allow for a greater generation output to accommodate the larger turbine models.

The extension of the validity of the EA is to allow the developer to prepare the project for inclusion in the next formal bidding round (or subsequent rounds if this project is not successful in the next round).

3.3 ANALYSIS OF AUTHORISED LISTED ACTIVITIES

The following listed activities were authorised for the Ukomeleza WEF development.

Table 3.5: Authorised Listed Activities in terms of GN R. 544, 545 and 546 (NEMA EIA Regulations, 2010).

LISTED ACTIVITIES AUTHORISED IN ORIGINAL EA	COMMENT
<p><u>GN R. 544: Activity 1</u> The construction of facilities or infrastructure for the generation of electricity where:</p> <ol style="list-style-type: none"> The electricity is more than 10MW but less than 20 megawatts; or The output is 10 megawatts or less but the total extent of the facility covers an area in excess of 1 hectare 	<p>NO LONGER RELEVANT This listed activity is not relevant, it should not have occurred in the original EA as GN R 545 Activity 1 is the correct renewable energy Listed Activity for this facility (Ukomeleza is >20MW).</p>
<p><u>GN R. 544: Activity 10</u> The construction of facilities or infrastructure for the transmission and distribution of electricity:</p>	<p>REMAINS RELEVANT This listed activity is relevant for both the connecting cables (33kV) as well as the overhead power line (132kV)</p>

<p>i. Outside urban areas or industrial complexes with a capacity of more than 33 kilovolts but less than 275 kilovolts; or ii. Inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</p>	
<p><u>GN R. 544: Activity 18</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, grit, pebbles or rock of more than 5 cubic metres from: i. A watercourse; ii. The sea; iii. The seashore; iv. The littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is greater – But excluding where such infilling, depositing, dredging, excavation, removal or moving i. Is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority; or ii. Occurs behind the development setback line.</p>	<p>REMAINS RELEVANT This relates specifically to low level crossings which will be necessary during the construction of the roads.</p>
<p><u>GN R. 544: Activity 23</u> The transformation of undeveloped, vacant or derelict land to- i. Residential, retail, commercial, recreational, industrial or institutional use, inside and urban area, and where the total area to be transformed is 5 hectares or more, but less than 20 hectares; or ii. Residential, retail, commercial, recreational, industrial or institutional use, outside and urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares; Except where such transformation takes place for linear activities.</p>	<p>REMAINS RELEVANT The Ukomeleza WEF is situated outside of an urban area and is approximately 5ha in extent.</p>
<p><u>GN R. 544: Activity 38</u> The expansion of facilities for the transmission and distribution of electricity where expanded capacity will exceed 275 kilovolts and the development footprint will increase.</p>	<p>REMAINS RELEVANT The Ukomeleza WEF connection will feed into existing power lines and may require upgrades to these lines.</p>
<p><u>GN R. 545: Activity 1</u> The construction of facilities or infrastructure for the generation of electricity where the electricity output is 20 megawatts or more.</p>	<p>REMAINS RELEVANT This listed activity is relevant for the Ukomeleza WEF which will host 8 turbines with an output capacity of >20MW (40MW).</p>
<p><u>GN R. 545: Activity 8</u> The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kV or more, outside an urban area or industrial complex.</p>	<p>NO LONGER RELEVANT This listed activity is not relevant, it should not have occurred in the original EA as the powerlines will not exceed 275kV.</p>
<p><u>GN R. 545: Activity 15</u> Physical alteration of undeveloped, vacant or derelict land for industrial use where the total area to be transformed is 20 ha or more.</p>	<p>NO LONGER RELEVANT This listed activity is not relevant, it should not have occurred in the original EA as GN R 544 Activity 23 is the correct clearance Listed Activity (<20ha).</p>
<p><u>GN R. 546: Activity 4</u> The construction of a road wider than 4 m with a reserve less than 13.5 m.</p>	<p>REMAINS RELEVANT The roads will be approximately 14m wide during construction, rehabilitated to 8m wide during operations.</p>
<p><u>GN R. 546: Activity 12</u></p>	<p>REMAINS RELEVANT</p>

<p>The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetation cover constitutes indigenous vegetation:</p> <ul style="list-style-type: none"> (a) Within a critically endangered or endangered ecosystem listed in terms of section 52 of NEMBA 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; (b) Within critical biodiversity areas identified in bioregional plans; (c) Within the littoral active zone or 100m inland from high water mark of the sea or estuary, whichever distance is greater excluding where such removal will occur behind the development setback line on erven in urban areas. 	<p>More than 300 square metres of vegetation will be cleared within a CBA (CBA 2).</p>
<p><u>GN R. 546: Activity 13</u> The clearance of an area of 1 ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.</p>	<p>REMAINS RELEVANT More than 1 hectare of indigenous vegetation will be cleared within a CBA (CBA 2).</p>
<p><u>GN R. 546: Activity 14</u> The clearance of an area of 5 ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.</p>	<p>REMAINS RELEVANT Approximately 5 hectares of indigenous vegetation will be cleared within a CBA (CBA 2).</p>
<p><u>GN R. 546: Activity 19</u> The widening of a road by more than 4m, or the lengthening of a road by more than 1km.</p>	<p>REMAINS RELEVANT Existing access roads will need to be widened in order to accommodate the construction and transport vehicles during the construction phase of the WEF. Existing roads will be used where feasible and the construction width will be 14m, rehabilitated to an operational width of 8m.</p>
<p><u>GN R. 546: Activity 26</u> Phased activities for all activities listed in this schedule and as it applied to a specific geographical area, which commenced on or after the effective date of the Schedule, where any phase of the activity may be below a threshold but where a combination of the phases, including expansion or extensions, will exceed a specific threshold.</p>	<p>REMAINS RELEVANT The proposed Ukomeleza WEF may be constructed in phases.</p>

Table 3.6: Authorised Listed Activities in terms of GN R. 544, 545 and 546 (NEMA EIA Regulations, 2010) compared to Listed Activities in terms of GN R. 983, 984 and 985 (NEMA EIA Regulations, 2014).

LISTED ACTIVITIES (2010) AUTHORISED	LISTED ACTIVITIES (2014) EQUIVALENT	REQUIRES AMENDING
GN R 544 (2010)	GN R 983 (2014, as amended 2017)	Comments
<p><u>GN R. 544: Activity 1</u> The construction of facilities or infrastructure for the generation of electricity where:</p> <ul style="list-style-type: none"> i. The electricity is more than 10MW but less than 20 megawatts; or ii. The output is 10 megawatts or less but the total extent of the facility covers an area in excess of 1 hectare 	<p><u>GN R 983: Activity 1</u> The development of facilities or infrastructure for the generation of electricity from a renewable resource where –</p> <ul style="list-style-type: none"> i. The electricity is more than 10MW but less than 20 megawatts; or ii. The output is 10 megawatts or less but the total extent of the facility covers an area in excess of 1 hectare 	<p>NOT RELEVANT TO THE PROPOSED DEVELOPMENT</p>

	<p>excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs—</p> <p>(a) within an urban area; or</p> <p>(b) on existing infrastructure.</p>	
<p><u>GN R. 544: Activity 10</u> The construction 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 kilovolts but less than 275 kilovolts; or</p> <p>ii. Inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</p>	<p><u>GN R. 5983: Activity 11</u> The construction 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 kilovolts but less than 275 kilovolts; or</p> <p>ii. Inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</p> <p>excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	<p>DOES NOT REQUIRE AMENDING</p>
<p><u>GN R. 544: Activity 18</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, grit, pebbles or rock of more than 5 cubic metres from:</p> <p>i. A watercourse;</p> <p>ii. The sea;</p> <p>iii. The seashore;</p> <p>iv. The littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is greater –</p> <p>But excluding where such infilling, depositing, dredging, excavation, removal or moving</p> <p>i. Is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority; or</p> <p>ii. Occurs behind the development setback line.</p>	<p><u>GN R. 544: Activity 19</u> The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>But excluding where such infilling, depositing, dredging, excavation, removal or moving</p> <p>i. Is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority; or</p> <p>ii. Occurs behind the development setback line.</p>	<p>DOES NOT REQUIRE AMENDING</p>
<p><u>GN R. 544: Activity 23</u> The transformation of undeveloped, vacant or derelict land to-</p>	<p><u>GN R. 983: Activity 27</u></p>	<p>DOES NOT REQUIRE AMENDING</p>

<p>i. Residential, retail, commercial, recreational, industrial or institutional use, inside and urban area, and where the total area to be transformed is 5 hectares or more, but less than 20 hectares; or</p> <p>ii. Residential, retail, commercial, recreational, industrial or institutional use, outside and urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;</p> <p>Except where such transformation takes place for linear activities.</p>	<p>The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</p> <p>i. The undertaking of a linear activity; or</p> <p>ii. Maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>HOWEVER, THE TOTAL FOOTPRINT IS CHANGING FROM 4.3HA TO APPROXIMATELY 5HA</p>
<p><u>GN R. 544: Activity 38</u> The expansion of facilities for the transmission and distribution of electricity where expanded capacity will exceed 275 kilovolts and the development footprint will increase.</p>	<p><u>GN R. 544: Activity 47</u> The expansion of facilities for the transmission and distribution of electricity where the expansion capacity will exceed 275 kilovolts and the development footprint will increase.</p>	<p>DOES NOT REQUIRE AMENDING</p>
<p>GN R 545 (2010)</p>	<p>GN R 984 (2014, as amended 2017)</p>	<p>Comments</p>
<p><u>GN R. 545: Activity 1</u> The construction of facilities or infrastructure for the generation of electricity where the electricity output is 20 megawatts or more.</p>	<p><u>GN R. 984: Activity 1</u> The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs —</p> <p>(a) Within an urban area; or</p> <p>(b) On existing infrastructure.</p>	<p>DOES NOT REQUIRE AMENDING</p> <p>HOWEVER, THE TOTAL OUTPUT IS CHANGING FROM 28MW TO 40MW DUE TO CHANGING IN TURBINE SPECIFICATIONS EXPLAINED IN THIS REPORT</p>
<p><u>GN R. 545: Activity 8</u> The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kV or more, outside an urban area or industrial complex.</p>	<p><u>GN R. 984: Activity 9</u> The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</p> <p>(a) Temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) Within an existing transmission line servitude; and</p> <p>(d) Will be removed within 18 months of the commencement of development.</p>	<p>DOES NOT REQUIRE AMENDING</p>
<p><u>GN R. 545: Activity 15</u></p>	<p><u>GN R. 984: Activity 15</u></p>	<p>NOT RELEVANT TO THE PROPOSED DEVELOPMENT</p>

Physical alteration of undeveloped, vacant or derelict land for industrial use where the total area to be transformed is 20 ha or more.	The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for— i. The undertaking of a linear activity; or ii. Maintenance purposes undertaken in accordance with a maintenance management plan.	
GN R 546 (2010)	GN R 985 (2014, as amended 2017)	Comments
<u>GN R. 546: Activity 4</u> The construction of a road wider than 4 m with a reserve less than 13.5 m.	<u>GN R. 985: Activity 4</u> The development of a road wider than 4 metres with a reserve less than 13,5 metres (b) In Eastern Cape: ii. Outside urban areas, in: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;	DOES NOT REQUIRE AMENDING HOWEVER, THE ROAD WIDTH IS CHANGING TO 14M CONSTRUCTION AND 8M OPERATIONS
<u>GN R. 546: Activity 12</u> The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetation cover constitutes indigenous vegetation: (a) Within a critically endangered or endangered ecosystem listed in terms of section 52 of NEMBA 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; (b) Within critical biodiversity areas identified in bioregional plans; (c) Within the littoral active zone or 100m inland from high water mark of the sea or estuary, whichever distance is greater excluding where such removal will occur behind the development setback line on erven in urban areas.	<u>GN R. 985: Activity 12</u> The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. (a) In Eastern Cape i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA 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; ii. Within critical biodiversity areas identified in bioregional plans;	DOES NOT REQUIRE AMENDING HOWEVER, THE TOTAL FOOTPRINT IS CHANGING FROM 4.3HA TO APPROXIMATELY 5HA
<u>GN R. 546: Activity 13</u> The clearance of an area of 1 ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	No equivalent.	NOT RELEVANT TO THE PROPOSED DEVELOPMENT
<u>GN R. 546: Activity 14</u> The clearance of an area of 5 ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	No equivalent	NOT RELEVANT TO THE PROPOSED DEVELOPMENT

<p><u>GN R. 546: Activity 19</u> The widening of a road by more than 4m, or the lengthening of a road by more than 1km.</p>	<p><u>GN R. 985: Activity 18</u> The widening of a road more than 4 metres, or the lengthening of a road by more than 1 kilometre, ii. Outside urban areas, in: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional, plans</p>	<p>DOES NOT REQUIRE AMENDING</p> <p>HOWEVER, THE ROAD WIDTH IS CHANGING TO 14M CONSTRUCTION AND 8M OPERATIONS</p>
<p><u>GN R. 546: Activity 26</u> Phased activities for all activities listed in this schedule and as it applied to a specific geographical area, which commenced on or after the effective date of the Schedule, where any phase of the activity may be below a threshold but where a combination of the phases, including expansion or extensions, will exceed a specific threshold.</p>	<p><u>GN R. 985: Activity 26</u> Phased activities for all activities listed in this Schedule and as it applies to a specific geographical area, which commenced on or after the effective date of the Schedule, where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specific threshold</p>	<p>DOES NOT REQUIRE AMENDING</p>

NO ADDITIONAL LISTED ACTIVITIES, RESULTING FROM THE PROPOSED AMENDMENT, WERE IDENTIFIED

4 IMPACTS RELATED TO THE PROPOSED CHANGE

During the EIA Process for the (now authorised) Ukomeleza Wind Energy Facility, CES identified the need for the following specialist studies:

Table 4.1: Specialists.

	SPECIALIST INPUT	SPECIALIST
1.	Avifaunal Impact Assessment	WILDSKIES ECOLOGICAL SERVICES
2.	Bat Impact Assessment	ARCUS CONSULTING SERVICES
3.	Ecological Impact Assessment	CES
4.	Noise Impact Assessment	SAFETECH
5.	Visual Impact Assessment	CES

The specialists, listed in Table 4.1, have been consulted to undertake specialist reports based on their assessments of the proposed changes, including a detailed assessment of any landuse changes. Sections 4.1 to 4.5 consist of brief summaries of the specialists' reports, which contain assessments of the proposed changes. The following guideline was given to each specialist regarding the extension to the validity to ensure that the potential impacts were considered in their entirety:

- ▲ Notes on any landuse changes to the area and if this has affected the species composition in your specialist field. If there have been changes to species composition, what additional impacts (increased or decreased severity) can expect to have resulted from this change;
- ▲ IF 1 HAS CHANGED THEN: Effect on current impacts;
- ▲ IF 1 HAS CHANGED THEN: Effect on mitigation measures;
- ▲ IF 1 HAS CHANGED THEN: Effect on current EA Conditions; and
- ▲ IF 1 HAS CHANGED THEN: Effect on cumulative impacts;

4.1 AVIFAUNAL IMPACTS

Wildskies Ecological Services were consulted and asked to provide an assessment of the potential impacts of the proposed amendments on avifauna at the Ukomeleza WEF site. Please refer to the attached Avifaunal Impact Assessment for the full report written by WildSkies.

The following conclusion has been extracted from the Ukomeleza Avifaunal Report:

"The following are the findings of this amendment study:

- ▲ *The land use on site has not changed since the previous studies and we therefore have no reason to suspect any particular change to the avifaunal impacts as previously assessed.*
- ▲ *New information in the form of best practice guidelines and lessons learnt at operational wind farms has been considered, but does not alter the original findings.*
- ▲ *The only changes to the impact significance assessed previously is a reduction in significance from Moderate to Low of 'disturbance of birds during operations' and 'disruption of local movement patterns during operations'. We also judge the cumulative impact of wind farms on birds on this are to be of Medium significance, with Ukomeleza making a low contribution to this."*

In addition to the concluding statements made above, WildSkies has reiterated the following recommendations with regard to the management of avifaunal risk on the Ukomeleza site:

"We make or repeat the following recommendations for the management of avifaunal risk at this site:

- ▲ *Ensure that construction only affects the minimum amount of habitat possible. This means that where possible existing roads must be used and batching plants, labour camps, equipment storage, etc should be situated in areas that are already disturbed.*
- ▲ *A full site specific EMP must also be compiled to specify all of the impacts and mitigation measures and provide a step by step programme to follow for the ECO on site. This should include a full avifaunal walk through to ground truth all final micro siting.*
- ▲ *Specialist avifaunal input must be included into the EMP and this will focus on breeding sensitive species and their locations and the mitigation for this impact.*
- ▲ *Mitigation for disturbance is the same as for habitat destruction. In general terms all construction activities should result in as little disturbance as possible. This will be detailed in the site specific EMP and will be enforced and overseen by the ECO for the project.*

- *During the EMP the avifaunal specialist must identify any breeding sensitive bird species in close proximity to specified turbine and associated infrastructure positions. Specific recommendations must be provided for each case and these must be strictly enforced and followed.*
- *The site specific avifaunal environmental management plan must include the development of a detailed post construction monitoring methodology. Results of post construction bird monitoring must be used to design mitigation measures where necessary.*
- *Some mitigation options that can be employed if monitoring reveals significant numbers of collisions, include: that one blade be painted black, in order to provide an alternating image for the bird in flight; curtailment, i.e. shutting down certain turbines at certain times; radar monitoring; manipulation of blade height to accommodate predominant bird flight height, and any others that may be identified as our understanding of the impacts progresses.*
- *All on site power line must be placed underground. The high-risk sections of grid connection power line will need to be identified during the site specific EMP and marked with a suitable anti-collision marking device.*
- *Post-construction/operational monitoring in line with the latest Best Practice Guidelines must be conducted as soon as the turbines become operational and any mortalities must be reported to Birdlife SA. As a minimum this monitoring programme must:*
 - *Continue for the first two years of operations, longer if a need is identified.*
 - *Record the numbers/densities of birds regularly present or resident within and around the operational WEF.*
 - *Document patterns of bird movements in the vicinity of the operational WEF.*
 - *Compare these data with baseline figures and hence quantify the impacts of displacement and/or collision mortality.*
 - *Quantify and qualify bird collisions with the turbines, as well as additional mortality associated with guyed masts, power lines and other ancillary infrastructure.*
 - *If required by the determination of the specialist, mitigate impacts of the development by informing ongoing management and operations of the WEF.*
 - *Report on activity and recorded mortalities. These reports are to be submitted on a quarterly basis to Birdlife SA.*
- *Reports and mortality data should be made available to the respective specialists working on each project so that there is open communication and information sharing to assist in gaining an understanding of the cumulative impacts on avifauna of all three facilities.*
- *Frequent and regular review of operational phase monitoring data (activity and carcass) and results by the avifaunal specialist. This review should also establish the requirement (Jenkins et al. 2015) for continued monitoring studies (activity and carcass) throughout the operational and decommissioning phases of the development.*
- *The above reviews should strive to identify sensitive locations at the development site including turbines and areas of increased collisions with power lines that may require additional mitigation. If unacceptable impacts are observed, the specialist should conduct a literature review specific to the impact and provide updated and relevant mitigations to be implemented. As a starting point for the review of possible mitigations, the following may need to be considered:*
 - *Assess the suitability of using deterrent devices (e.g. DT Bird) to reduce collision risk.*
 - *Identify options to modify turbine operation to reduce collision risk.”*

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
AVIFAUNA			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Neutral	None	None

4.2 BAT IMPACTS

Arcus Consulting were consulted and asked to provide an assessment of the potential impacts of the proposed amendments on bats at the Ukomeleza WEF site. Please refer to the attached Bat Impact Assessment for the full report written by Arcus.

The following conclusion has been extracted from the Ukomeleza Bat Report:

“Compared to the previous impact assessment undertaken in 2012, it is likely that the amendments to the turbine dimensions proposed for the Ukomeleza WEF will increase the current rated impacts to bats. Cumulative impacts will also increase.

The advantage of the proposed amendment is that it may allow for the selection of turbines with a hub height lower than 137m (which is currently approved) and this would reduce impacts to higher flying bat species assuming that the hub height is lowered because the blades will not reach as far into the air. However, if the hub height is lowered, it may result in the blades reaching closer to the ground and this is a disadvantage of the proposed amendment because lower flying bat species will be at greater risk. Another disadvantage of the proposed amendment is that the rotor swept area will increase because of the longer blades and this would increase impacts to both high and lower flying species.

The primary mitigation is to avoid impacts which can be achieved to a degree through appropriate turbine siting. The buffers have been increased to 266m from those proposed in the pre-construction bat monitoring to meet current best practise standards. No turbines are located within bat sensitive areas, and most are further than 266m away. While 266m is the minimum buffer distance, the applicant must ensure that the buffer distance is maximized (i.e. turbine should not be moved closer to the buffer edge from their current locations).

There will still be residual impacts to bats because bat activity is high during certain time periods and for certain species. Turbine design can reduce these impacts and the blades must not sweep down further than 45 m above ground level. There will still be additional residual impacts even with these design parameters because it is difficult to select a competitive turbine that limits impacts to both low and high flying species. Curtailment must therefore be used as described in the pre-construction bat monitoring report and this must be included in the EMP and the EA. If these mitigation measures are adhered to, the specialist accepts the proposed amendments.”

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
BAT			
Increase in output	None	None	None
Increase in rotor diameter	Negative	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	Positive	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	Negative	None	None
OVERALL CHANGE	Negative	None	None

4.3 ECOLOGICAL IMPACTS

CES Ecological Consultants were consulted and asked to provide an assessment of the potential impacts of the proposed amendments on ecology at the Ukomeleza WEF site. Please refer to the attached Ecological Impact Assessment for the full report written by Roy de Kock of CES.

The following conclusion has been extracted from the Ukomeleza Ecological Report:

“The proposed changes to the Ukomeleza Wind Energy Facility will have no additional impact on the ecological landscape and therefore no additional issues were identified when comparing the latest layout (dated 14 June 2019) to the approved Ecological Impact Assessment.

The proposed changes will have no additional cumulative impact on the ecological landscape and therefore no additional cumulative issues were identified when comparing the latest layout (14 June 2019) to the layout assessed in the approved Ecological Impact Assessment. The cumulative impact statement in the original report is therefore still relevant.

No additional ecologically sensitive areas were identified. All sensitivity allocations as listed in the original Ecological Impact Assessment (2016) are therefore still relevant.

All issues identified in the original Ecological Impact Assessment still remain valid and all recommended mitigation measures listed in the Ecological Impact Assessment must still be implemented for all phases of the wind farm.

It is the opinion of the Ecological Specialist that the overall significance of 8 turbines as assessed in the Ecological Impact Assessment has been increased as a result of an increase in the concrete foundations from 25m² x 3m deep in size to 30m² x 3m deep each. None of the other amendments listed in Table 1 will result in a change in overall significance.

No additional No-Go areas were identified as a result of this amendment. “

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
ECOLOGICAL			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	Negative	None	None
Increase in facility footprint	Negative	None	None
Increase in road width	Negative	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Negative	None	None

4.4 NOISE IMPACTS

SafeTech were consulted and asked to provide an assessment of the potential impacts of the proposed amendments on noise at the Ukomeleza WEF site. Please refer to the attached Noise Impact Assessment for the full report written by SafeTech.

The following conclusion has been extracted from the Ukomeleza Noise Report:

“Current Impacts - The modelling results indicate that the Environmental Authorisation Limit of 45 dB(A) limit will not be exceeded at any of the noise sensitive areas.

Cumulative Impacts - The Windfarm cumulative impact will not increase as the noise impact from the turbines has not increased above the limit of 45dB(A).

Mitigation Measures - The mitigation measures as contained in the 2011 report is still valid. No additional mitigation measures are identified.

Current Environmental Authorisation (EA) Conditions - The EA conditions regarding noise as contained in the 2013 EA is still valid. The EA does not need to be amended from a noise perspective.

Impact Statement - The overall environmental impact of the changes made to the project scope is rated as low and has not changed from the original noise impact assessment. It is highly likely that the wind noise will provide a masking effect. Furthermore, the modelling assumes the receiver is outdoors at all times. If the final number of turbines is reduced or the layout changed such that no turbine is moved closer to a noise sensitive area, then remodelling will not be required, provided the final turbine choice sound power level is not greater than that that was used in this report (108.1 dBA).

Conclusion - The overall environmental noise impact significance remains low taking into account the changes to the turbine specifications. The amended project description does not exceed the current Environmental Authorisation limit of 45 dB(A) at any of the noise sensitive receptors using the data that was modelled. The specific conditions as set in the Environmental Authorisation are thus complied with. It is my recommendation that based on the results presented here, the granting of an amended Environmental Authorisation with respect to the noise impacts is recommended. “

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
NOISE			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Neutral	None	None

4.5 VISUAL IMPACTS

CES Visual Consultants were consulted and asked to provide an assessment of the potential impacts of the proposed amendments on visual intrusion at the Ukomeleza WEF site. Please refer to the attached Visual Impact Assessment for the full report written by Michael Johnson of CES.

The following conclusion has been extracted from the Ukomeleza Visual Report:

“Ukomeleza Wind Power (Pty) Ltd. received EA (DEA Ref number: 12/12/20/2085/3) from the DEA to construct the Ukomeleza WEF. In terms of Regulation 31 and 32 of the 2014 National Environmental Management Act (NEMA) Environmental Impact Assessment (EIA) Regulations, Ukomeleza Wind Power (Pty) Ltd. wishes to apply for an amendment to the EA issued. From a visual impact assessment perspective, the most significant change is the proposed increase in rotor diameter (from 137m to up to 175m).”

Assessment of Impacts:

An assessment of the proposed amendments was undertaken in terms of the specific visual impact assessment criteria recommended by Oberholzer (2005). The assessment indicated that the proposed amendments would not cause a significant change in these visual assessment criteria and thus will not introduce any new visual impacts, nor significantly alter the visual impacts as assessed in the former VIA and subsequent amendment reports, for which the project has received Environmental Authorisation.

Furthermore, in assessing the direct impacts to visual resources, it has been recognised that, although the lifespan of the project is likely to extend for 20-25 years, all of the components of the superstructures can be removed on decommissioning, after which the landscape will be rehabilitated back to a near natural state. This means that although the proposed facility will undoubtedly have an impact on the visual resources of the area, it does not represent a completely irreversible loss of scenic resources.

Concluding Statement

The Ukomeleza WEF will undoubtedly impose the visual landscape for nearby visual receptors. However, this should be considered within the context of the following:

- ▲ *The visual impacts will generally be low to moderate;*
- ▲ *The wind farm is not permanent, and the turbines and other superstructure can be removed on decommissioning of the wind farm;*
- ▲ *The landscape can be restored through rehabilitation post decommissioning;*
- ▲ *Although limited, certain mitigation recommendations can mitigate the impacts to some extent.*

It is concluded that the potential losses of scenic resources are not sufficiently significant to present a fatal flaw to the proposed changes. Therefore, there is no reason, in terms of visual concerns, why the amended project should not receive authorisation. “

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
VISUAL			
Increase in output	None	None	None
Increase in rotor diameter	Negative	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Negative	None	None

4.6 IMPACT SUMMARY

Based on the specialist input, as quoted in Sections 4.1 to 4.5 above, regarding the potential impacts associated with the proposed changes, it is evident that the proposed changes associated with this Application for a Part 2 Amendment will not result in any additional impacts. It is important to take note of the Bat Report which explains, in detail, the changes in impact severity (both positive and negative) associated with this amendment. In all, due to the stipulated curtailment, which is already in place, the over impact will not change. In addition, the proposed changes will not significantly alter the significance or ratings of the impacts which were identified during the specialists' original assessments of the Ukomeleza Wind Energy Facility.

It is also important to note that the receiving environment has been reassessed by the specialists and all specialists have applied this assessment in addition to all updated relevant policy and guidelines and have all concluded that there have not been any landuse changes which would result in the need to redo the EIA for this site. The three amendments which have been completed since the EIA was completed, along with this most recent amendment has resulted in an update of the knowledge and potential impact of the proposed Ukomeleza WEF.

The cumulative impact of the proposed changes will not change the cumulative impact significance of the WEF as the overall impacts have not been significantly increased and the number of turbines will remain the same.

5 ADVANTAGES & DISADVANTAGES

Table 5.1 consists of the potential advantages and disadvantages associated with the proposed changes.

Table 5.1: Advantages and Disadvantages associated with the change.

	ADVANTAGES		DISADVANTAGES
1.	The Ukomeleza Wind Energy Facility will be viable to bid in the REIPPPP.	1.	The change in rotor diameter may have a negative impact on bats.
2.	The site has been reassessed and all buffers which relate to the specialist fields have been updated and applied. This includes all relevant policy and guidelines related to each specialist field. No turbines are situated in any of the identified sensitive areas.	2.	The construction footprint from both the WEF and associated linear developments (roads) will increase resulting in a higher development footprint.
3.	The change in wording of the hub height may have a positive impact on bats.		

6 PUBLIC PARTICIPATION PROCESS

The Public Participation Process (PPP) for the Draft Part 2 EA Amendment Report will be updated upon completion. The Draft Report will be available for public review from the 15th November to the 15th December 2019 (30 days). The comments received during this time will be incorporated into an Issues and Response Trail (IRT).

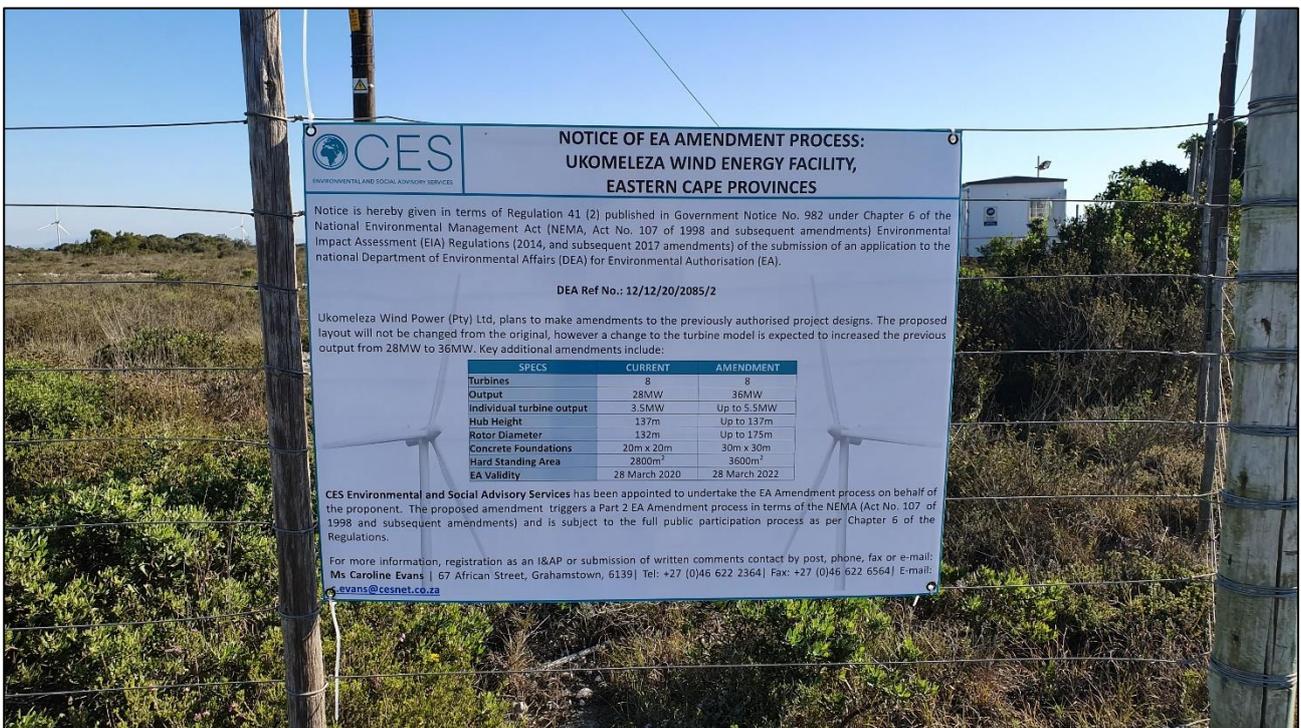
6.1 ISSUES AND RESPONSE TRAIL

COMMENT	STAKEHOLDER	EAP RESPONSE
TO BE COMPLETED AFTER 30 DAY PUBLIC REVIEW		

6.2 PPP INCLUSIONS

Evidence/proof of the following PPP elements will be included in the Final Part 2 Amendment Report:

- ▲ Photographic evidence of the notice board which was placed on or near the proposed site (included);
- ▲ Tear sheets containing the proof of the newspaper advertisement (included);
- ▲ E-mail delivery slips (to be added to the final);
- ▲ An Issues & Response Trail (I&RT) containing all the comments which were received from I&APs and responses to these comments (to be added to the final).



NOTICE BOARD AT ENTRANCE TO UKOMELEZA WEF SITE

Geklassifiseerd

☎ Debby-Lynn 041 992 5639 | Email:debbylynn.vdyk@media24.com



<p>TE KOOP</p> <p>ALLERLEI</p> <p>NORTH END FRESH PRODUCE ATTENTION: ONLY WHOLESALE AND RETAIL</p>  <p>FRESH POTATOES DIRECT FROM FARMERS AT WHOLESALE PRICES TEL: 041-451 5140/ 041-4513216/081-5581411 92 PERL ROAD, KORSTEN</p>		<p>HUISVERBETERINGS BINNE</p> <p>BLINDS For best quality and service Phone the BlindMan 082 828 4995</p> <p>HUISVERBETERINGS BUITE</p> <p>High Pressure cleaning, roofs and paving. We supply the water! Andre 078 464 8605</p>	<p>TUINWOONSTELLE TE HUUR</p> <p>MOSEL, UITENHAGE Enkel, werkende persoon R2 240 p.m. + dep R2 240 W/E Ingesit. Geen diere/kinders. Beskrib. 1 Okt. 2019 079 231 2836</p> <p>SANTA BARBARA 1 bed gardenflat to let. For single person. R2 500 p.m. + R1 000 dep. 078 947 6367</p>	<p>ALGEMENE KENNISGEWINGS</p> <p>ALGEMENE KENNISGEWINGS</p> <p>ALGEMENE KENNISGEWINGS</p> <p>ALGEMENE KENNISGEWINGS</p>																										
<p>FAMILIE-KENNISGEWINGS</p> <p>STERFGEVALLE</p> <p>JOSEPH</p>  <p>The funeral service of the late GEORGE (81yrs.) will take place on Saturday, 28/09/2019 at 11:30am from the DALE STREET CONGREGATIONAL CHURCH. Deeply mourned by his family and friends.</p> <p>Van Willing Funerals 041 988 1919</p>	<p>PERSONLIKE DIENSTE</p> <p>LENINGS</p> <p>BonusLoan Borrow now, pay once off with your bonus! (Available within 90 days of your bonus) Now open for year-end bonuses. SanFen Financial Services, 73 Caledon st, Uitenhage, 041-9228843 or Despatch, Shoprite Centre, 041 933 1088 or PE, 563 Govan Mbeki Ave, 041 484 5636. Alternatively, Whatsapp us at 082 091 0192 or email: sanfenadmin@telkomsa.net NCRCP 323. T & Cs apply.</p>	<p>HOUISE TE HUUR</p> <p>46 MALLARD STREET, ROSEDALE 2 slip huise te huur. 071 792 6339</p> <p>SCHEEPERSHOOGTE 3 bedrooms, kitchen, lounge, shower, burglar gates, enclosed yard, entertainment room, prepaid elec. Municipal exd. Occ. 1st October Rent R5 500 Dep: Profile dependent 041 922 6032 072 559 1470</p>	<p>NOTICE OF EA AMENDMENT PROCESS: MOTHERWELL WIND ENERGY FACILITY, EASTERN CAPE PROVINCE</p> <p>Notice is hereby given in terms of Regulation 41 (2) published in Government Notice No. 982 under Chapter 6 of the National Environmental Management Act (NEMA, Act No. 107 of 1998 and subsequent amendments) Environmental Impact Assessment (EIA) Regulations (2014, and subsequent 2017 amendments) of the submission of an application to the national Department of Environmental Affairs (DEA) for Environmental Authorisation (EA).</p> <p>DEA Ref No.: 12/12/20/2085/2</p> <p>Motherwell Wind Power (Pty) Ltd, plans to extend the validity period for the Environmental Authorisation. The amendment process will include specialist assessments of the site to assess any changes that could have occurred since the original EA was awarded.</p> <p>CES Environmental and Social Advisory Services has been appointed to undertake the EA Amendment process on behalf of the proponent. The proposed amendment triggers a Part 2 EA Amendment process in terms of the NEMA (Act No. 107 of 1998 and subsequent amendments) and is subject to the full public participation process as per Chapter 6 of the Regulations.</p> <p>For more information, registration as an I&AP or submission of written comments contact by post, phone, fax or e-mail: Ms Caroline Evans 67 African Street, Grahamstown, 6139 Tel: +27 (0)46 622 2364 Fax: +27 (0)46 622 6564 E-mail: c.evans@cesnet.co.za</p>																											
<p>BRIDGING CASH while waiting for PENSION/PACKAGE Payout (lumpsum only) 041 363 0245 CALL CORRIE 071 433 0188</p> <p>VERPLEEGDIENSTE</p> <p>House of Love and Care in Uitenhage spesialiseer in die versorging van bejaardes. Mens wat lei aan Alzheimer's, Dementia en Frail care is welkom. Huislike atmosfeer, smaaklike voorbereide etes en 24 uur versorging deur gekwalifiseerde Care Givers. Opgeleide</p>	<p>ALL PLUMBING PROFESSIONALLY DONE. 083 695 0826 / 041 933 2571 all hours</p> <p>NEED A PLUMBER?? All plumbing expertly done. 083 695 0826 041 933 2571 all hours</p> <p>ROMMEL-VERWYDERING</p> <p>5-TON VRAGMOTOR Bourommel, meubels, ens. Marius 082 215 8201. Cross boursommel on meubels: 078 319 2395/ 041 992 1630</p> <p>VERVOER & BERGING</p> <p>Vervoer van meubels. Andre 078 464 8605</p> <p>BOME</p> <p>Treefelling/ Removal of rubble. Andre 078 464 8605</p> <p>Vibracrete walls. New and repair Andre 078 464 8605</p> <p>MOTORFETSE</p> <p>SCOOTER SCRAPYARD Buying motorcycles 063 287 3525</p>	<p>BETREKKINGS</p> <p>ALGEMEE</p> <p>AGENTS wanted for Avon/Justine/Avroy Shalyn/Tupperware 084 306 1528</p> <p>HARE/SKOOONHEID</p> <p>AVON AGENTS needed. Please phone Estelle at 082 546 0384.</p> <p>BETREKKINGS</p> <p>OOSTERLAND CHILD AND YOUTH CARE CENTRE -Despatch- Applications are invited for a CHILD AND YOUTH CARE WORKER. Work hours: One week evening shift (including weekend) and one week day shift (with weekends off). Requirements: * FETC or higher qualification in Child & Youth Care or equivalent for social work.</p>	<p>NOTICE OF EA AMENDMENT PROCESS: UKOMELEZA WIND ENERGY FACILITY, EASTERN CAPE PROVINCE</p> <p>Notice is hereby given in terms of Regulation 41 (2) published in Government Notice No. 982 under Chapter 6 of the National Environmental Management Act (NEMA, Act No. 107 of 1998 and subsequent amendments) Environmental Impact Assessment (EIA) Regulations (2014, and subsequent 2017 amendments) of the submission of an application to the national Department of Environmental Affairs (DEA) for Environmental Authorisation (EA).</p> <p>DEA Ref No.: 12/12/20/2085/3</p> <p>Ukomleza Wind Power (Pty) Ltd, plans to make amendments to the previously authorised project designs. The proposed layout will not be changed from the original, however a change to the turbine model is expected to increase the previous output from 28MW to 36MW. Key additional amendments include:</p> <table border="1"> <thead> <tr> <th>SPECS</th> <th>CURRENT</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>Turbines</td> <td>8</td> <td>8</td> </tr> <tr> <td>Output</td> <td>28MW</td> <td>36MW</td> </tr> <tr> <td>Individual turbine output</td> <td>3.5MW</td> <td>Up to 5.5MW</td> </tr> <tr> <td>Hub Height</td> <td>137m</td> <td>Up to 137m</td> </tr> <tr> <td>Rotor Diameter</td> <td>132m</td> <td>Up to 125m</td> </tr> <tr> <td>Concrete Foundations</td> <td>20m x 20m</td> <td>30m x 30m</td> </tr> <tr> <td>Hard Standing Area</td> <td>280m²</td> <td>3600m²</td> </tr> <tr> <td>EA Validity</td> <td>28 March 2020</td> <td>28 March 2021</td> </tr> </tbody> </table> <p>CES Environmental and Social Advisory Services has been appointed to undertake the EA Amendment process on behalf of the proponent. The proposed amendment triggers a Part 2 EA Amendment process in terms of the NEMA (Act No. 107 of 1998 and subsequent amendments) and is subject to the full public participation process as per Chapter 6 of the Regulations.</p> <p>For more information, registration as an I&AP or submission of written comments contact by post, phone, fax or e-mail: Ms Caroline Evans 67 African Street, Grahamstown, 6139 Tel: +27 (0)46 622 2364 Fax: +27 (0)46 622 6564 E-mail: c.evans@cesnet.co.za</p>	SPECS	CURRENT	AMENDMENT	Turbines	8	8	Output	28MW	36MW	Individual turbine output	3.5MW	Up to 5.5MW	Hub Height	137m	Up to 137m	Rotor Diameter	132m	Up to 125m	Concrete Foundations	20m x 20m	30m x 30m	Hard Standing Area	280m²	3600m²	EA Validity	28 March 2020	28 March 2021
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6.3 REGISTERED STAKEHOLDERS & I&APS

The Table on the pages that follow, consists of the registered stakeholders and I&APs on the project.

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7 CONCLUSIONS AND RECOMMENDATIONS

The Applicant is proposing the following changes to the Ukomeleza Wind Energy Facility Environmental Authorisation:

Table 7.1: Summary of Proposed Changes.

ASPECT	AUTHORISED	PREVIOUS AMENDMENTS	THIS AMENDMENT	CHANGE
SUBSTANTIVE AMENDMENTS				
Total Output Capacity	24MW	28MW (AM3)	40MW	INCREASE (12MW)
Rotor Diameter	100m	132m (AM3)	Up to 175m	INCREASE (43m)
Concrete Foundations	20m ² and 3m deep	25m ² and 3m deep	30m ² and 3m deep	INCREASE (5m ²)
Facility Footprint	4.3ha	4.3ha	Up to 5ha	INCREASE (0.7ha)
Road Width	Unspecified Construction Width and 4m Operational Width	Unspecified Construction Width and 8m Operational Width	14m Construction Width and 8m Operational Width	INCREASE (specifying construction width – 6m)
NON-SUBSTANTIVE AMENDMENTS				
Hub Height	100m	137m (AM3)	Up to 137m	CHANGE IN WORDING (0m)
Changed of wording (substation)	“Each turbine will be connected to the Grassridge and Motherwell Substation via underground cable of approximately 33kV” (AM3)		“Each turbine will be connected to the Grassridge and Motherwell Substation via underground cable of approximately 33kV”	
Changed of wording (roads)	“Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide” (AM3)		“Construction of an access road to the proposed Grassridge Wind Farm. The access road will be approximately 8m wide” (AM3)	
Validity of EA	28 th March 2020		28 th March 2025	INCREASE (5 years)

Relevant specialists were appointed to comment on the proposed amendments, in summary their conclusions are as follows:

Table 7.2: Specialist Comments on the Proposed Changes.

ASPECT	CHANGE TO IMPACT SIGNIFICANCE	CHANGE TO MITIGATION OR MONITORING	CHANGE TO EMPR
AVIFAUNA			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Neutral	None	None
BAT			
Increase in output	None	None	None
Increase in rotor diameter	Negative	None	None
Increase in concrete foundations	None	None	None

Part 2 EA Amendment of the Ukomeleza Wind Energy Facility Environmental Authorisation

Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	Positive	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	Negative	None	None
OVERALL CHANGE	Negative	None	None
ECOLOGICAL			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	Negative	None	None
Increase in facility footprint	Negative	None	None
Increase in road width	Negative	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Negative	None	None
NOISE			
Increase in output	None	None	None
Increase in rotor diameter	None	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Neutral	None	None
VISUAL			
Increase in output	None	None	None
Increase in rotor diameter	Negative	None	None
Increase in concrete foundations	None	None	None
Increase in facility footprint	None	None	None
Increase in road width	None	None	None
Change in hub height wording	None	None	None
Change in substation wording	None	None	None
Change in road wording	None	None	None
Extension of validity	None	None	None
Cumulative Impact	None	None	None
OVERALL CHANGE	Negative	None	None

As indicated in Table 7.2 above, the proposed changes will not require changes to the specialist mitigation measures, monitoring specifications and will not require amendments to the current Draft EMPr.

IT IS THE OPINION OF THE EAP THAT, DUE TO THE OPINIONS EXPRESSED BY THE RELEVANT SPECIALISTS, THE ABOVE-MENTIONED CHANGES BE AUTHORISED.

APPENDIX A: SPECIALIST OPINION LETTERS

Table A1: Specialist Opinion Letters.

	OPINION LETTERS	SPECIALIST
1.	Avifaunal Opinion Letter	<i>Mr Jon Smallie</i> WILDSKIES ECOLOGICAL SERVICES
2.	Bats Opinion Letter	<i>Mr Jonathan Aronson</i> ARCUS CONSULTING
3.	Ecological Opinion Letter	<i>Mr Roy de Kock</i> CES
4.	Noise Opinion Letter	<i>Dr Brett Williams</i> SAFETECH
5.	Visual Opinion Letter	<i>Mr Michael Johnson</i> CES

APPENDIX B: SPECIALIST DECLARATION FORMS

Table B1: Specialist Declaration Forms

	OPINION LETTERS	SPECIALIST
1.	Avifaunal Opinion Letter	<i>Mr Jon Smallie</i> WILDSKIES ECOLOGICAL SERVICES
2.	Bats Opinion Letter	<i>Mr Jonathan Aronson</i> ARCUS CONSULTING
3.	Ecological Opinion Letter	<i>Mr Roy de Kock</i> CES
4.	Noise Opinion Letter	<i>Dr Brett Williams</i> SAFETECH
5.	Visual Opinion Letter	<i>Mr Michael Johnson</i> CES

APPENDIX C: PROOF OF PUBLIC PARTICIPATION

TO BE ADDED UPON COMPLETION OF THE PPP

APPENDIX D: POLICY AND GUIDELINE MAPS

PLEASE FIND HERE WITHIN

Please note that all contents of these maps have been taken into account in the various specialist assessments but have been reproduced by the EAP for inclusion in the main report.

