



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
Date Received:	

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

PROJECT TITLE

Proposed Inyanda -Roodeplaat Wind Energy Facility, Uitenhage

Kindly note that:

1. This application form is current as of 08 December 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
5. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
6. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.

9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

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

Postal address:

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

Physical address:

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

Queries must be addressed to the contact below:

Tel: 012 399 9372

E-mail: EIAAdmin@environment.gov.za

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

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

1. **PROOF OF PAYMENT**

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

Payment of the application fee is not applicable as this is an amended application form for an existing project which falls under the 2010 NEMA regulations (see Appendix 10 for the 2010 listed activities).

Proof of payment attached as **Appendix 1**

Exclusion applies

An applicant is excluded from paying fees if:

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

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

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

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

Payment Enquiries:
Tel: 012 399 9119
Email: eiafee@environment.gov.za

Banking details:
ABSA Bank
Branch code: 632005
Account number: 1044 2400 72
Current account
Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude
eg. -33.918861/18.423300

Proof of payment must accompany the application form: Indicate reference number below.

Tax exemption status:

Status: Tax exempted
Reference number:

2. PROJECT DESCRIPTION

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

Inyanda Energy Projects (Pty) Ltd proposes to construct a Wind Energy Facility (WEF) of up to 187.2 MW installed capacity on a number of properties, referred to collectively in this report as the farm Roodeplaat, situated in the Groot Winterhoek Mountains west of the town of Uitenhage in the Eastern Cape.

According to the applicant, available wind data in South Africa shows this area to have favourable wind conditions sufficient to support a wind farm. This has apparently been confirmed by on site wind monitoring that has been ongoing since June 2012. The proposed project area consists of approximately 12 200 ha located on 22 adjacent property portions

The proposed Roodeplaat WEF will consist of approximately 46-52 turbines each capable of generating approximately 3.6 MW, as well as associated powerlines connecting the facility to the national energy grid. The turbine footprints and associated facility infrastructure (internal access roads, substation, construction compound, batching plant and operations building) will potentially cover an area of approximately 60 ha depending on final layout design should the project proceed. An investigation of the wind regime of the site will decide the model of turbines to be installed.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES ✓	NO
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If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**

Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries	✓	Greenfield transformation to urban or industrial form (including mining)	
Infrastructure – electricity (generation, transmission & distribution)	✓	Biodiversity or sensitive area related activities	
Oil and gas		Mining value chain	
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments	
Nuclear		Boat building	
Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles	
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals	
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather	
Basic services (local government access roads)		Forestry, paper, pulp and furniture	

Basic services (local government) – public transport		Business process servicing	
Infrastructure – water (bulk and reticulation)		Advanced materials	
Basic services (local government) – sanitation		Aerospace	
Basic services (local government) – waste management		Basic services (local government) – education	
Basic services (local government) water		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

Table 2

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

3. GENERAL INFORMATION

Applicant name:	Hylton Newcombe		
Registration number (if applicant is a company)			
Trading name (if any)	Inyanda Energy projects (Pty) Ltd		
Responsible person name (If the applicant is a company):			
Applicant/ Responsible person ID number:	820514 5071 087		
Responsible position, e.g. Director, CEO, etc.:			
Physical address:	24 Neapolis, Pier Street, Walmer Blvd		
Postal address:			
Postal code:	6001		
Telephone:	083 395 8179	Fax:	
E-mail:	hylton@newind.co.za	BBBEE status	
Provincial Authority:	Department of Economic Development, Environmental Affairs and Tourism		
Contact person:	Mr Andries Struwig		
Postal address:	Private Bag X5001, Greenacres		
Postal code:	6057	Cell:	

Telephone:	041 508 5840	Fax:	041 508 5840
E-mail:	Andries.struwig@deaet.ecape.gov.za		

Local municipality	Cacadu District Municipality		
Contact person:	Howard Sikweza – Department of Environmental Health, Cacadu District Municipality		
Postal address:	PO Box 318, Port Elizabeth		
Postal code:	6000	Cell:	
Telephone:	041 508 7314	Fax:	041 508 7000
E-mail:	sikweza@cacadu.co.za		

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

Landowner:	Ronnie Watson		
Contact person:			
Postal address:	Unit B 49, Kinross Road, Sandton,		
Postal code:	2196	Cell:	083 375 0078
Telephone:		Fax:	011 808 3001
E-mail:	email@e-ronnie.net		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs
Reason(s) in terms of S 24C of NEMA 1998 as amended	

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	SRK Consulting (South Africa) (Pty) Ltd		
Professional affiliation/registration:	South African Council for Natural Scientific Professions		
Contact person (if different from EAP):	Rob Gardiner		
Company:	SRK Consulting		
Physical address:	Ground Floor Bay Suites, 1A Humewood Road, Humeral, Port Elizabeth		
Postal address:	PO Box 21842 Port Elizabeth		
Postal code:	6000	Cell:	
Telephone:	041 509 4800	Fax:	041 509 4850
E-mail:	rgardiner@srk.co.za		

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 12 of GN R.982, dated December 2014, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

5. SITE DESCRIPTION

<p>GNR 544 Item 11: 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</p>	<p>The project will involve upgrades to roads and stormwater infrastructure at watercourse crossings or within 32 m thereof.</p>
<p>GNR 983 Item 12: The development of – (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs - (a) within a watercourse or; within (c) 32 metres of a watercourse</p>	
<p>GNR 544 Item 18: 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 or more than 5 cubic metres from: (i) a watercourse.</p>	<p>The construction of internal roads between the turbines will not cross any watercourses however the upgrading of the existing gravel roads will require the upgrading of stormwater infrastructure which will involve excavations of material exceeding 5m³. Underground electrical cables may cross drainage lines or watercourses.</p>
<p>GNR 983 Item 19: 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 or more than 5 cubic metres from: (i) a watercourse.</p>	
<p>GNR 545 Item 1: The construction of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more.</p>	<p>The proposed development would have a power output of up to 187.2 MW.</p>
<p>GNR 984 Item 1: The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more.</p>	
<p>GNR 545 Item 15: Physical alteration of undeveloped, vacant or derelict land for commercial and industrial use where the total area to be transformed is 20 ha or more.</p>	<p>The permanent footprint of the proposed development will be approximately 60 hectares, confirming the applicability of this listed activity.</p>
<p>GNR 984 Item 15: The clearance of an area of 20 hectares or more of indigenous vegetation.</p>	
<p>GNR 546 Item 2: The construction of reservoirs for bulk water supply with a capacity of more than 250 cubic metres (a) In the Eastern Cape (iii). Outside urban areas in: (aa) National Protected Areas Expansion Strategy Focus Areas (dd) Critical Biodiversity Areas as identified in systematic biodiversity plans</p>	<p>Temporary water storage capacity of approximately 300 m³ will be required during the construction phase. This temporary storage is likely to be in multiple plastic tanks (as opposed to a single reservoir). Most of the site is identified as a National Protected Areas Expansion Strategy Focus Area. The majority of the site is identified as a critical biodiversity area in terms of at least one systematic biodiversity plan (the Eastern Cape Biodiversity Conservation Plan).</p>
<p>GNR 985 Item 2: The development of reservoirs for bulk water supply with a capacity of 250 cubic metres (b) In the Eastern Cape (iii) outside urban areas in (aa) National Protected Areas Expansion Strategy Focus Areas</p>	
<p>GNR 546 (4) The construction of a road wider than 4 m with a reserve less than 13.5 m. (a) In the Eastern Cape (ii). Outside urban</p>	<p>Roads will need to be constructed that will link the turbines and other infrastructure components. Most of the site is identified as a National Protected</p>

<p>areas in: (bb) National Protected Areas Expansion Strategy Focus Areas (ee) Critical Biodiversity Areas as identified in systematic biodiversity plans (gg) ... 5 km from any protected area identified in terms of NEMPAA.</p>	<p>Areas Expansion Strategy Focus Area. The majority of the site is identified as a critical biodiversity area in terms of at least one systematic biodiversity plan (the Eastern Cape Biodiversity Conservation Plan).</p>
<p>GNR 985 Item 4: The development of a road wider than 4 metres with a reserve less than 13,5 metres (b) In the Eastern Cape (ii) Outside urban areas, in: (bb) National Protected Areas Expansion Strategy Focus Areas (ee) critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans</p>	<p>The site is within 5 km of the Groendal Nature Reserve.</p>
<p>GNR 546 Item 10: The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres (a) in the Eastern Cape (ii) outside urban areas, in:</p>	<p>During construction the contractor is likely to require a temporary facility for the storage of fuel, probably at the Construction Plant Storage area. Storage of oils (e.g. for electrical transformers), would also be required, and it is likely that the combined storage capacity will be between 30 m³ and 80 m³. Most of the site is identified as a National Protected Areas Expansion Strategy Focus Area.</p>
<p>GNR 985 Item 10: The development of facilities or infrastructure for the storage, or storage and handling of a dangerous good where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres. (b) in Eastern Cape: ii Outside urban areas in: (bb) National Protected Areas Expansion Strategy focus areas; (ee) critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans</p>	<p>The majority of the site is identified as a critical biodiversity area in terms of at least one systematic biodiversity plan (the Eastern Cape Biodiversity Conservation Plan).</p>
<p>GNR 546 (12) the clearance of an area of 300 square metres or more of vegetation where 75% of the vegetative cover constitutes indigenous vegetation (b) within critical biodiversity areas identified in bioregional plans</p>	<p>Clearance of indigenous vegetation will amount to more than 60 ha. A number of bioregional plans identify critical biodiversity areas coinciding with the proposed development footprint.</p>
<p>GNR 985 item 12: the clearance of an area of 300 square metres or more of indigenous vegetation where 75% of the vegetative cover constitutes indigenous vegetation (ii) within critical biodiversity areas identified in bioregional plans</p>	
<p>GNR 546 Item 13: The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation (b) national protected area expansion strategy focus areas (c) In the eastern cape (ii) outside an urban area (bb) national protected area expansion strategy focus areas (ff) ... 5 km from any protected area identified in terms of NEMPAA.</p>	<p>Temporary and permanent clearing of indigenous vegetation in excess of 60 ha will be required. Parts of the site are identified as National Protected Areas Expansion Strategy Focus Areas. Most of the site is identified as a National Protected Areas Expansion Strategy Focus Area. The site is within 5 km of the Groendal Nature Reserve.</p>

<p>GNR 546 Item 14: The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation. (a) In the Eastern Cape (i) All areas outside urban areas.</p>	<p>Temporary and permanent clearing of indigenous vegetation in excess of 60 hectares will be required.</p>
<p>R546 Item 16: The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation. (a) In the Eastern Cape (i) All areas outside urban areas.</p>	<p>A number of internal roads and stormwater infrastructure (exceeding 10m²) will require upgrading, and in many cases these cross or are within 32 m of watercourses. Most of the site is identified as a National Protected Areas Expansion Strategy Focus Area.</p>
<p>GNR 985 Item 14: The construction of (xii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs (a) within a watercourse; or (c) within 32 metres of a watercourse (ii) Outside urban areas in: (bb) National Protected Area Expansion Strategy Focus areas (ff) Critical biodiversity areas (hh) ... 5 km from any protected area identified in terms of NEMPAA.</p>	<p>The majority of the site is identified as a critical biodiversity area in terms of at least one systematic biodiversity plan (the Eastern Cape Biodiversity Conservation Plan). The site is within 5 km of the Groendal Nature Reserve.</p>
<p>GNR 546 Item 19: The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.(a) In the Eastern Cape:ii. Outside urban areas in: (bb) National Protected Areas Expansion Strategy Focus Areas (ee) Critical Biodiversity Areas as identified in systematic biodiversity plans (gg) ... 5 km from any protected area identified in terms of NEMPAA.</p>	<p>Existing farm roads may be widened as part of the development. Existing tracks are generally very narrow and widening thereof is likely to be by more than 4 m to meet the 6 m road width requirement for construction vehicles. Most of the site is identified as a National Protected Areas Expansion Strategy Focus Area. The majority of the site is identified as a critical biodiversity area in terms of at least one systematic biodiversity plan (the Eastern Cape Biodiversity Conservation Plan).</p>
<p>GNR 985 Item 18: The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre (b) In the Eastern Cape (ii) Outside urban areas in: (bb) National Protected Area Expansion Strategy Focus areas (ee) Critical biodiversity areas</p>	<p>The site is within 5 km of the Groendal Nature Reserve.</p>

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

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

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

7. PUBLIC PARTICIPATION

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

Public Participation Process conducted thus far:

- Advertisements in two Provincial Newspapers (Die Burger on 23 March 2013 and The Herald on 22 March 2013) and one local newspaper (UD News) on 28 March 2013;
- Written notices were sent to the owners and/or occupants of land immediately surrounding the site and to numerous organs of state;
- Three 800 x 600 mm single sided corex notice boards were placed on the boundary of the proposed project sites near the proposed locations;
- The DSR was distributed for comment (11 October 2013 to 20 November 2013) and a public meeting was held on 23 October 2013 at the Feather Market Hall in Port Elizabeth as well as the Kroonenhoff Guesthouse in Kirkwood. Notice of this was advertised in the above mentioned newspapers prior to the meeting.
- The DSR was available for review at the following places:
 - Port Elizabeth Public Library (Market Square, Govan Mbeki Avenue, PE);
 - Uitenhage Public Library (Market St, Uitenhage Central, Uitenhage);
 - Kirkwood Public Library (Middelstraat, Kirkwood); and
 - The CES website (www.cesnet.co.za) - on the public documents link
- Compilation of all comments received on the DSR and integration of these comments into the FSR; and
- Submission of the FSR and the Plan of Study for the EIA to DEA for consideration and approval.
- Compilation of all comments received on the FSR and integration of these comments into the Draft Environmental Impact Report (EIR) and Draft Environmental Management Programme (EMPr);
- **Proposed public participation process:**
- Distribution of the Draft EIR for a 40 day comment period;
- Compilation of all comments received on the Draft EIR and integration of these comments into the Final EIR; and
- Submission of the Final EIR to DEA for consideration and approval.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
SEMA's				
National Environmental Management: Air Quality Act	YES	✓NO	YES	NO
National Environmental Management: Biodiversity Act	YES	✓NO	YES	NO
National Environmental Management: Integrated Coastal Management Act	YES	✓NO	YES	NO
National Environmental Management: Protected Areas Act	YES	✓NO	YES	NO
National Environmental Management: Waste Act	YES	✓NO	YES	NO
National legislation				
Mineral Petroleum Development Resources Act	YES	✓NO	YES	NO
National Water Act	✓YES	NO	YES	✓NO
National Heritage Resources Act	YES	✓NO	YES	NO
Others: Please specify	YES	✓NO	YES	NO

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

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	✓NO
Appendix 1	Strategic Infrastructure Projects	✓YES	N/A
Appendix 2	List of Local Municipalities (with contact details)	YES	✓N/A

Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES	✓NO
Appendix 4	List of SGIDs	✓YES	N/A
Appendix 5	Project map	✓YES	NO
Appendix 6	Project schedule	YES	N/A
Appendix 7	Declaration of Applicant	✓YES	NO
Appendix 9	Declaration of EAP	✓YES	NO

**APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

**APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA’s main industrial hubs • Improve access to Durban’s export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation. 	
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	

<p>SIP 8: Green energy in support of the South African economy Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p>Indicate capacity in MW: 140</p>	✓
<p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p>Indicate capacity in MW: 140</p>	✓
<p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and</p>	

<p>health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%. The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	
<p>SIP 18: Water and sanitation infrastructure A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation. The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	

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

**APPENDIX 4
LIST OF LAND OWNERS
PROOF OF NOTIFICATION OF LAND OWNERS**

N/A applicant is the landowner

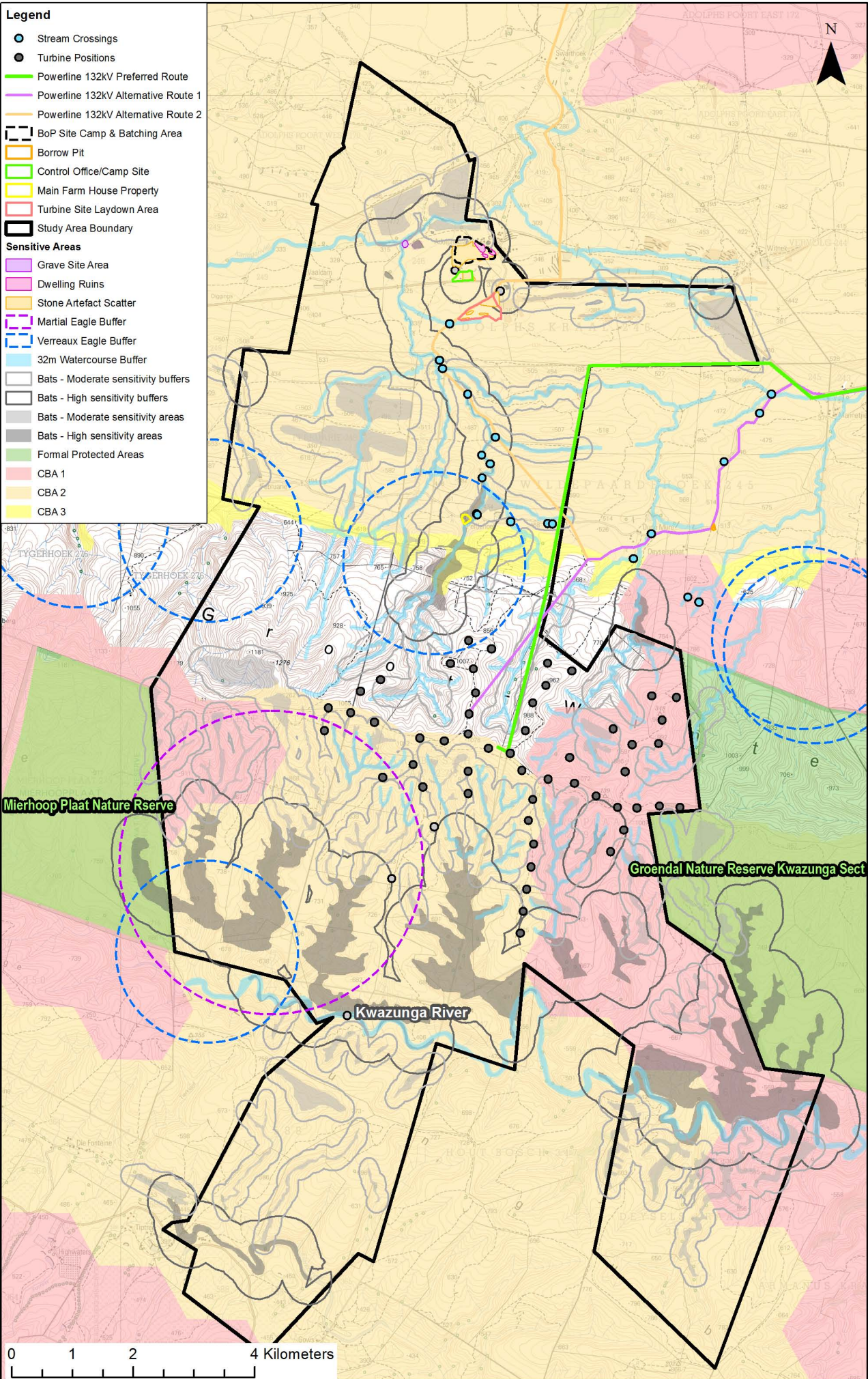
**APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS**

C	0	7	6	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	0	3
C	0	7	6	0	0	0	0	0	0	0	0	0	2	4	5	0	0	0	0	1
C	0	7	6	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	1
C	0	7	6	0	0	0	0	0	0	0	0	0	2	4	8	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	7	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	7	0	0	0	0	1
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	8	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	8	0	0	0	0	1
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	8	0	0	0	0	2
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	8	0	0	0	0	3
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	8	0	0	0	0	4
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	3
C	0	7	6	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	4
C	0	7	6	0	0	0	0	0	0	0	0	0	3	4	6	0	0	0	0	0
C	0	7	6	0	0	0	0	0	0	0	0	0	5	8	8	0	0	0	0	3

**APPENDIX 6
PROJECT MAP**

Legend

- Stream Crossings
 - Turbine Positions
 - Powerline 132kV Preferred Route
 - Powerline 132kV Alternative Route 1
 - Powerline 132kV Alternative Route 2
 - BoP Site Camp & Batching Area
 - Borrow Pit
 - Control Office/Camp Site
 - Main Farm House Property
 - Turbine Site Laydown Area
 - Study Area Boundary
- Sensitive Areas**
- Grave Site Area
 - Dwelling Ruins
 - Stone Artefact Scatter
 - Martial Eagle Buffer
 - Verreaux Eagle Buffer
 - 32m Watercourse Buffer
 - Bats - Moderate sensitivity buffers
 - Bats - High sensitivity buffers
 - Bats - Moderate sensitivity areas
 - Bats - High sensitivity areas
 - Fomal Protected Areas
 - CBA 1
 - CBA 2
 - CBA 3




Scale: 1:85 000		A4
Projection: TM	Datum: HH94	
Central Meridian/Zone: Lo25		
Date: 04/04/2016	Compiled by: VERJ	
Project No. 478867	Fig No. 022	

**APPENDIX 7
PROJECT SCHEDULE**

**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, Hylon Newsome declare that I -

- am, or represent¹, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner²;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
 - know the Act and the regulations, and how they apply to the proposed development
 - know any applicable guidelines
 - perform the work objectively, even if the findings do not favour the applicant
 - disclose all information which is important to the application and the proposed development
 - have expertise in conducting environmental impact assessments
 - complies with the Regulations
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.


¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

Signature³ of the applicant⁴/ Signature on behalf of the applicant:

Inyanda Road

Inyanda Energy Projects

[PTY] LTD

Name of company (if applicable):

10/2/16

Date:

[Signature]

10/2/16

CHRISTOPHER DARRYL ARNOLD
NO. 5 ASCOT OFFICE PARK
CONYNGHAM ROAD
GREENACRES 6045
COMMISSIONER OF OATHS
PRACTISING ATTORNEY
REPUBLIC OF SOUTH AFRICA

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

⁴ If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.

**APPENDIX 9
DECLARATION OF THE EAP**

I, R Gardiner declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 48 of the Regulations and is punishable in terms of section 24F of the Act.

JG

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

~~N/A~~

RCA

Signature of the environmental assessment practitioner:

SPK Consulting (South Africa) (Pty) Ltd

Name of company:

6 May 2016

Date: