



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:	(For official use only)
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

Basic Assessment process associated with the construction of tower footings within water courses for Phase 4 of the Bravo Integration Project in the Mpumalanga province.

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. Incomplete applications will be rejected in terms of Regulation 17 of GN. 733 and returned to the applicant for revision and resubmission.
5. 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.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
7. 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).
8. 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.

9. 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.
10. 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**.

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:

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

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

Eskom (SOC) obtained an environmental authorization on 09 October 2009 from the Department of Environmental Affairs (DEA) for the construction of two new 400kV power lines from the Kendal Power Station (near Ogies) to the Zeus Substation (near Secunda) and Kusile to Zeus Substation in the Mpumalanga Province (DEA Reference No. 12/12/20/1095) (See Figure 6.1 in Appendix 6). Each of these lines will be approximately 70 km's in length with a combined length of 140km; The lines will run parallel to each other. Following approval by DEA in 2009, it has been determined that certain tower footings associated with the power lines might impact on watercourse crossings and drainage lines and therefore also require authorization from DEA. The study area falls within the Olifants River (Catchment B) and Vaal River (Catchment C) Primary Catchments (See Figure 6.2, 6.3, 6.4 in Appendix 6). The main river in the northern section of the site is the Wilge River along with the Kromdraai Spruit and the Riet Spruit. All these watercourses drain primarily northwards towards the Olifants River. Several non-perennial streams and drainage lines also occur throughout the area, draining towards the main rivers. The southern section of the site drains towards the Vaal River and the main tributaries are the Waterval River, The Klip Spruit and the Boesman Spruit. The main drainage direction is southeast towards the Vaal River.

It has been determined that 5 types of watercourses; Channelled Valley Bottom wetlands; Floodplains, Un-channelled Valley Bottom wetlands; Hillslope seepage wetlands; and Pans (depressions) occur along the Bravo 4 Line route which may subsequently be affected by the tower footings. Each tower footing is variable and dependant on the area (Wetland, water source type, drainage, soils, etc) in order to minimise potential impacts. There are approximately 145 towers that are impacting on watercourse crossings and drainage lines and a tower is proposed after every 300m.

The proposed activity requires Environmental Authorisation in terms of the National Environmental Management Act (NEMA) (Act 107 of 1998). Activities identified in Listing Notice 1 of General Notice Regulations (GN R.) 983 are triggered by the proposed project and thus a Basic Assessment (BA) process is being undertaken.

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:	Eskom SOC Holdings, Ltd		
Registration number (if applicant is a company)	2002/015527/30		
Trading name (if any)	Eskom		
Responsible person name (If the applicant is a company):	Itumeleng Moeng		
Applicant/ Responsible person ID number:	7204085363084		
Responsible position, e.g. Director, CEO, etc.:	Programme Manager		
Physical address:	Eskom Megawattpark, No 1 Maxwell Drive, Sunninghill		
Postal address:	P.O. Box 1091, JOHANNESBURG		
Postal code:	2000	Cell:	082 477 2865
Telephone:	0118004114	Fax:	086 566 4180
E-mail:	moengl@eskom.co.za	BBBEE	

_____ status _____

Provincial Authority:

The Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs		
Mr Andries Gamede		
Private Bag X11215, Nelspruit		
1200	Cell:	
013 766 4004	Fax:	013 766 4614
nndlanya@mpg.gov.za		

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Local municipality

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

See Appendix 3		
	Cell:	
	Fax:	

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:

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

See Appendix 4		
	Cell:	
	Fax:	

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:

Reason(s) in terms of S 24C of NEMA 1998 as amended

Department of Environmental Affairs (National)
<ul style="list-style-type: none"> The project involves the generation of electricity; and The activity is to be undertaken by a statutory body, i.e. Eskom is a Parastatal entity.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:

Professional affiliation/registration:

Contact person (if different from EAP):

Company:

Physical address:

Postal address:

Postal code:

Telephone:

E-mail:

Gesam Govender		
South African Council for Natural Scientific Professions (SACNASP) Reg. No. 400049/12		
Andrisha Govender		
Envirolution Consulting (Pty) Ltd		
Unit 1a & 2, Vista Place, Cnr of Glen Avenue and Vorster Avenue, Glenanda		
P.O.Box 1878, Sunninghill		
2157	Cell:	083 3826 091
0861 44 44 99	Fax:	0861 626 222
gesan@envirolution.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

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

Province	Mpumalanga
District Municipality	Gert Sibande & Nkangala District Municipality
Local Municipality	Emalaheni, Govan Mbeki, Victor Khanye (Delmas) Local Municipality
Ward number(s)	Emalaheni : 30 Govan Mbeki : 10, 19, 1 Victor Khanye (Delmas) : 7
Nearest town(s)	Emalaheni: Ogies, Govan Mbeki: Embalenhle, Evander, Secunda, Leandra, Kinross, Charl Cilliers, Kendal, Victor Khanye(Delmas): Delmas,
Farm name(s), number(s) and Portion number(s)	Blesbokspruit 90 - 28; 1; 24; 8; 17 Branddrift 322 - 2; 3; 6; 14 Grootspuit 279 - 2; 5; 7; 0; 10; 3; 15 Kortlaagte 67 - 9; 2; 5; 8; 6 Kromdraai 128 - 9; 12; 17; 8; 0; 20 Leeufontein 219 - 18; 24; 13; 0 Moedverloren 88 - 6; 43; 39; 4; 5; 36; 1; 15 Olga 35 - 35 Rhino lodge 582 - 0 Rietkuil 283 - 6; 7; 5 Rolspruit 127 - 12; 0; 22; 11; 2 Schoongezicht 218 - 40; 3; 39; 45 Uitmalkaar 126 - 4; 2 Uitvlugt 255 - 0; 3; 2 Zandfontein 130 - 6; 8; 21; 25; 3; 2; 19; 9 Zondagsfontein 253 - 11; 10; 9; 1

SG 21 Digit Code(s)

(If there are more than 4, please attach a list with the rest of the codes as Appendix 5)

Blesbokspruit 90																			
T	0	I	S	0	0	0	0	0	0	0	0	0	0	9	0	0	0	2	8
T	0	I	S	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	1
T	0	I	S	0	0	0	0	0	0	0	0	0	9	0	0	0	0	2	4
T	0	I	S	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	8
1	2			3			4						5						

Please refer to Appendix 5 for the continuation of the list

Are there any other applications for Environmental Authorisation on the same property?		YES	NO ✓
If YES, please indicate the following:			
Competent Authority			
Reference Number			
Project Name			
Please provide details of the steps taken to ascertain this information:			

6. ACTIVITIES TO BE AUTHORISED

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

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
<p><u>GNR 983: 2014 (Listing Notice 1) Activity 12</u> 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 (c) within 32 metres of a watercourse, measured from the edge of a watercourse.</p>	<p>Due to the footprint of all tower footings crossing a watercourse and within 32 metres of a watercourse, this activity is applicable.</p>
<p><u>GNR 983: 2014 (Listing Notice 1) Activity 19</u> The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells grit, pebbles or rock of more than 5 cubic metres from - (i) a watercourse.</p>	<p>To ensure the towers is built according to safe building standards there will have to be excavations and trenching, laying the foundation and other intrusive construction activities within the water courses that will trigger this activity.</p>
<p><u>GNR 985: 2014 (Listing Notice 3) Activity 14</u> The development of – (xii) infrastructure or structures where the physical footprint is of 10 square metres or more; Where such development occurs – (a) within a watercourse; (a) in Mpumalanga; (ii) if outside urban areas, in: (dd) sensitive areas identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</p>	<p>Tower footings which are positioned within a watercourse and the servitude that may impact on sensitive areas will trigger this activity</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.

<p>The following activities will be undertaken as part of the Public Participation Process</p> <ul style="list-style-type: none"> • Placement of site notices in the surrounding area of the project site announcing the development and the opportunity to register as an I&AP and comment on the development • Placement of advertisements in local newspapers. The adverts will provide information on the development and also invited all I&AP to registers them as such and comment on the development if they wish to do so. • Identification and notification of I&APs for project registration • A database of all key stakeholders and organs of state will be created • Distribution of BID Document and Letter of Notification to all I&AP's • Placement of Draft Basic Assessment in public places for review by Interested and affected parties for 30 days • Determination of the need to hold public and focus group meetings. The need of the meeting will depend on the public interest and the nature of the issues that will be raised by Interested and Affected parties • Following the issuing of the Environmental Authorisation, all identified and registered I&APs will be informed of the outcome of the Environmental Authorisation process. <p>A Public Participation report will be prepared to document all concerns and comments raised during the public participation process</p>
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8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO ✓	YES	NO
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 Water use license was obtained in 2015 (04/B20E/CI/4008)	YES	NO ✓	YES ✓	NO
National Heritage Resources Act	YES	NO ✓	YES	NO
Others: Please specify	YES	NO ✓	YES	NO

Authorisation already acquired, DEA Reference number: 12/12/20/1095.

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/ Motivation for Exclusion	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**



Department of Environmental Affairs
Directorate: Integrated Environmental Authorizations
Private Bag X447
PRETORIA
0001

Date: 18 May 2016
L. Motaung

Enquiries:
Tel +2711 800 8250

Dear Sir

RE: BRAVO INTEGRATION PROJECTS – PHASE 4: APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF NATIONAL ENVIRONMENTAL MANAGEMENT ACT, REQUEST FOR EXCLUSION FROM APPLICATION FEE

Eskom (SOC) has proposed a Basic Assessment process associated with the construction tower footings within water courses for Phase 4 of the Bravo Integration Project in the Mpumalanga province. The authorised construction of two new 400kV power lines will span from the Kendal Power Station (near Ogies) to the Zeus Substation (near Secunda) in the Mpumalanga Province (DEA Reference No. 12/12/20/1095). The applicant is Eskom Holding SOC Limited. The proposed activity requires Environmental Authorisation in terms of the National Environmental Management Act (NEMA) (Act 107 of 1998).

The application fee for an Environmental Authorisation for which a Basic Assessment is required in terms of the Environmental Impact Assessment Regulations amounts to R2000 (two thousand rands only). However, these Regulations allow exclusion from paying fees for organs of State. Eskom is a State Owned Company (SOC) and therefore requests exclusion from paying the aforementioned R2 000 application fee.

Please do not hesitate to contact me by telephone on the abovementioned telephone number should you require further information.


Itumeleng Moeng (Mr)

Programme Manager: North West and Central Grid

Group Capital Division
Eskom Real Estate
Land Development Department
Megawatt Park Maxwell Drive Sunninghill Sandton
PO Box 1091 Johannesburg 2000 SA
Tel +27 11 800 8250 Fax +27 086 513 0837 www.eskom.co.za
Eskom Holdings SOC Ltd Reg No 2002/015627/30

**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 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 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><i>Indicate capacity in MW:</i></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><i>Indicate capacity in MW:</i></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 health connectivity.</p>	

<p>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**

Local municipality	Victor Khanye (Delmas) Local Municipality		
Contact person:	Mr Tefo Kadi		
Postal address:	P O Box 6, DELMAS		
Postal code:	2210	Cell:	083 456 4634
Telephone:	(013) 665 6000	Fax:	(013) 665 2913
E-mail:	tefo@delmasmunic.co.za		

Local municipality	eMalahleni Local Municipality		
Contact person:	Mr Mangisi Langa		
Postal address:	P O Box 3, WITBANK		
Postal code:	1035	Cell:	079 523 5764
Telephone:	(013) 690 6208	Fax:	(011) 690 6479
E-mail:	admin@emalahleni.gov.za		

Local municipality	Govan Mbeki Local Municipality		
Contact person:	Dr Lenkwane Mathunyane		
Postal address:	Private Bag X1017, SECUNDA		
Postal code:	2302	Cell:	
Telephone:	(017) 620 6000	Fax:	(017) 634 8019
E-mail:	office.mm@govenmbeki.gov.za		

Local municipality	Nkangala District Municipality		
Contact person:	Mr Charles Makola		
Postal address:	P O Box 437, MIDDELBURG		
Postal code:	1050	Cell:	072 567 7359
Telephone:	(013) 249 2000	Fax:	(013) 249 2087
E-mail:	nkosimm@nkangaladm.org.za		

Local municipality	Gert Sibande District Municipality		
Contact person:	Mr Mbuleleni Ngcobo		
Postal address:	P O Box 550, SECUNDA		
Postal code:	2302	Cell:	
Telephone:	(017) 620 3000	Fax:	(017) 631 1607
E-mail:	marinda@gsibande.gov.za		

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

Mr	Ivan	Enslin	Schoongezicht 218 IR/45	082 386 2500	marna@mweb.co.za	PO Box 544 Ogies 2230
Mr	Derick	Korff	Schoongezicht 218 IR40	071 607 2673 011 376 2410/ 082 333 6500	derick.korff@south32.net	
Mr	J	Muller				
Mr	De Vos	Breet	Leeuwfontein 219 IR/18	082 455 8221	yosbreet@gmail.com	PO Box 303 Ogies 2230
Mr	Dirk	Kitching	Zondagsfontein 253 IR/9	013 691 5686/ 072 701 3767 013 643 4414		
Mr	Stephan	Opperman	Uitvlugt 255 IR/0			
Mr	Brent	Parrott	Zondagsfontein 253 IR/10 & 11	082 410 0305	brent@wiklip.co.za	PO Box 33 Delmas 2210
Mr	Christie	Truter	Zondagsfontein 253 IR/1	082 490 1504		PO Box 621 Ogies 2230
Mr	John	Cameron	Uitvlugt 255 IR/2 & 3 Moedverloren 88 IS/5 & 26	082 824 7684	cameron@jantias.co.za	PO Box 153 Leslie 2265
Mr	Hendrik	Prinsloo	Kortlaagte 67 IR/9	082 891 0340	henwi@wil.co.za	
Mrs	Sunet	Oosterhuis	Kortlaagte 67 IS/2 & 8	082 410 0305	Wimpie.o@absamail.co.za	PO Box 40 Delmas 2210
Mr	HJF	Venter	Kortlaagte 67 IS/5 & 6 Moedverloren 88 IS/15	082 324 1006	hjventer@iantic.net	PO Box 654 Lesley 2265
Mr	HA	Erasmus	Moedverloren 88 IS/4, 6 & 39	082 388 2146	hf06689@mweb.co.za	PO Box 55 Leandra 2265

Mr	PE	Streicher	Moedverloren 88 IS/33, 36 & 40	082 566 1374	moedverloren@ittwrfi.co.za	PO Box 135 Leslie 2265
Mr	MSF	Erasmus	Blesbokspruit 90 IS/17, 24 & 28	082 566 1316	Marliens.erasmus@gmail.com	PO Box 527 Kinross 2270
Mr	R	Fourie	Blesbokspruit 90 IS/1 & 8	082 388 1234		
Mr	NG	Mbhalati	Uitmalkaar 126 IS/4	082 072 4092		
Mr	Henry	Smuts	Uitmalkaar 126 IS/2 & 16 Rolspruit 127 IS/12	082 771 8953	Henri.luma@gmail.com	
Mr	Coen	Meyer	Rolspruit 127 IS/2	082 388 0747		PO Box 429 Leslie 2265
Mr	SEW	Claasens	Rolspruit 127 IS/0	082 492 9247		PO Box 2 Leslie 2265
Mr	Mome	Combrink	Rolspruit 127 IS/11 Kromdraai 128 IS/17 Zandfontein 130 IS/6	082 495 7636	mmcombrink@gmail.com	PO Box 178 Kinross 2270
Mr	Nicol	De Vos	Kromdraai 128 IS/9, 12 & 13	082 388 0106	devosnicol@gmail.com	PO Box 80 Kinross 2270
Mr	Braam	De la Rey	Kromdraai 128 IS/0 & 8	082 927 3388	braamdelarey@gmail.com	PO Box 52 Leslie 2265
Mr	Boet	Conradie	Zandfontein 130 IS/3, 8, 9 Grootspruit 279 IS/0, 3 & 5	072 603 0622	boet.conradie@emines.co.za	Private Bag X 1012 Evander 2280
Mr	Carel	Dirker	Zandfontein 130 IS/2	082 325 6108	carel@brendanvillage.com	PO Box 3897 River Crescent Witbank

Mr	Hennie	Schoeman	Grootspruit 279 IS/7 Branddrift 322 IS/2 & 3 Vlakfontein 328 IS/3	082 499 4373	hennie.schoeman1@sasol.com	Uno Building Paul Kruger Street Trichart
Mr	S	Nkosi	Grootspruit 279 IS/2, 9 & 10	076 734 2394		133 Ext 1 Embalenhle 2285
	M	Lubisi	Grootspruit 279 IS/15 Rietkuil 283 IS/5 & 7	013 766 8513	mlubisi@mpg.gov.za	
Mr	HS	Van Coller	Branddrift 322 IS/6 & 14 Rhino Lodge 582 IS/0	083 287 6043	herman@vancoller.biz rhinolodge@standerton.com	PO Box 709 Delmas 2210

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

Blesbokspruit 90																				
T	0	I	S	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	1	7
Branddrift 322																				
T	0	I	S	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	2
T	0	I	S	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	3
T	0	I	S	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	6
T	0	I	S	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	1	4
Grootspuit 279																				
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	2
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	5
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	7
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	0
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	1	0
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	0	3
T	0	I	S	0	0	0	0	0	0	0	0	0	2	7	9	0	0	0	1	5
Kortlaagte 67																				
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	9
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	2
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	5
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	8
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	6
Kromdraai 128																				
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	0	9
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	1	2
T	0	I	R	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	1	7
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	0	8
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	0	0
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	8	0	0	0	2	0
Leeuwfontein 219																				
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	9	0	0	0	1	8
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	9	0	0	0	2	4
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	9	0	0	0	1	3
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	9	0	0	0	0	0
Moedverloren 88																				
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	6
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	4	3
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	3	9
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	4
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	5
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	3	6
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	1
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	1	5
Olga 35																				
T	0	I	S	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0
Rhino lodge 582																				
T	0	I	S	0	0	0	0	0	0	0	0	0	0	5	8	8	0	0	0	0
Rietkuil 283																				
T	0	I	S	0	0	0	0	0	0	0	0	0	2	8	3	0	0	0	0	6
T	0	I	S	0	0	0	0	0	0	0	0	0	2	8	3	0	0	0	0	7
T	0	I	S	0	0	0	0	0	0	0	0	0	2	8	3	0	0	0	0	5

Rolspruit 127																				
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	7	0	0	0	1	2
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	7	0	0	0	2	2
T	0	I	R	0	0	0	0	0	0	0	0	0	1	2	7	0	0	0	1	1
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	2
Schoongezicht 218																				
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	4	0
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	0	3
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	3	9
T	0	I	R	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	4	5
Uitmalkaar 126																				
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	6	0	0	0	0	4
T	0	I	S	0	0	0	0	0	0	0	0	0	1	2	6	0	0	0	0	2
Uitvlugt 255																				
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	5	0	0	0	0	0
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	5	0	0	0	0	3
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	5	0	0	0	0	2
Zandfontein 130																				
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	6
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	8
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	1
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	5
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	3
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	2
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	9
T	0	I	S	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	9
Zondagsfontein 253																				
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	3	0	0	0	1	1
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	3	0	0	0	1	0
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	3	0	0	0	0	9
T	0	I	R	0	0	0	0	0	0	0	0	0	2	5	3	0	0	0	0	1
1	2	3	4	5																

APPENDIX 6
PROJECT MAP

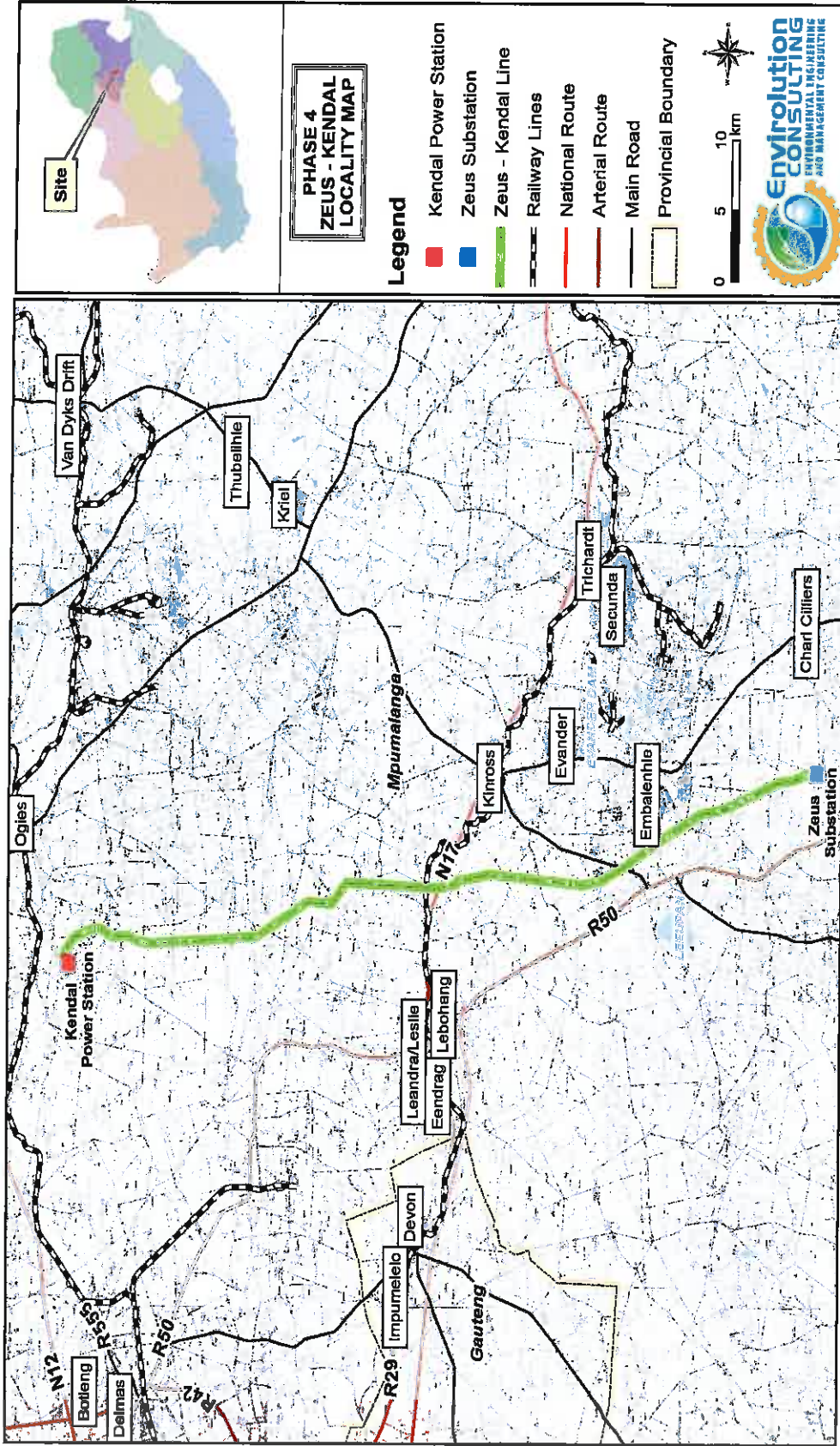


Figure 6.1: Locality Map indicating the Bravo 4 Line Route

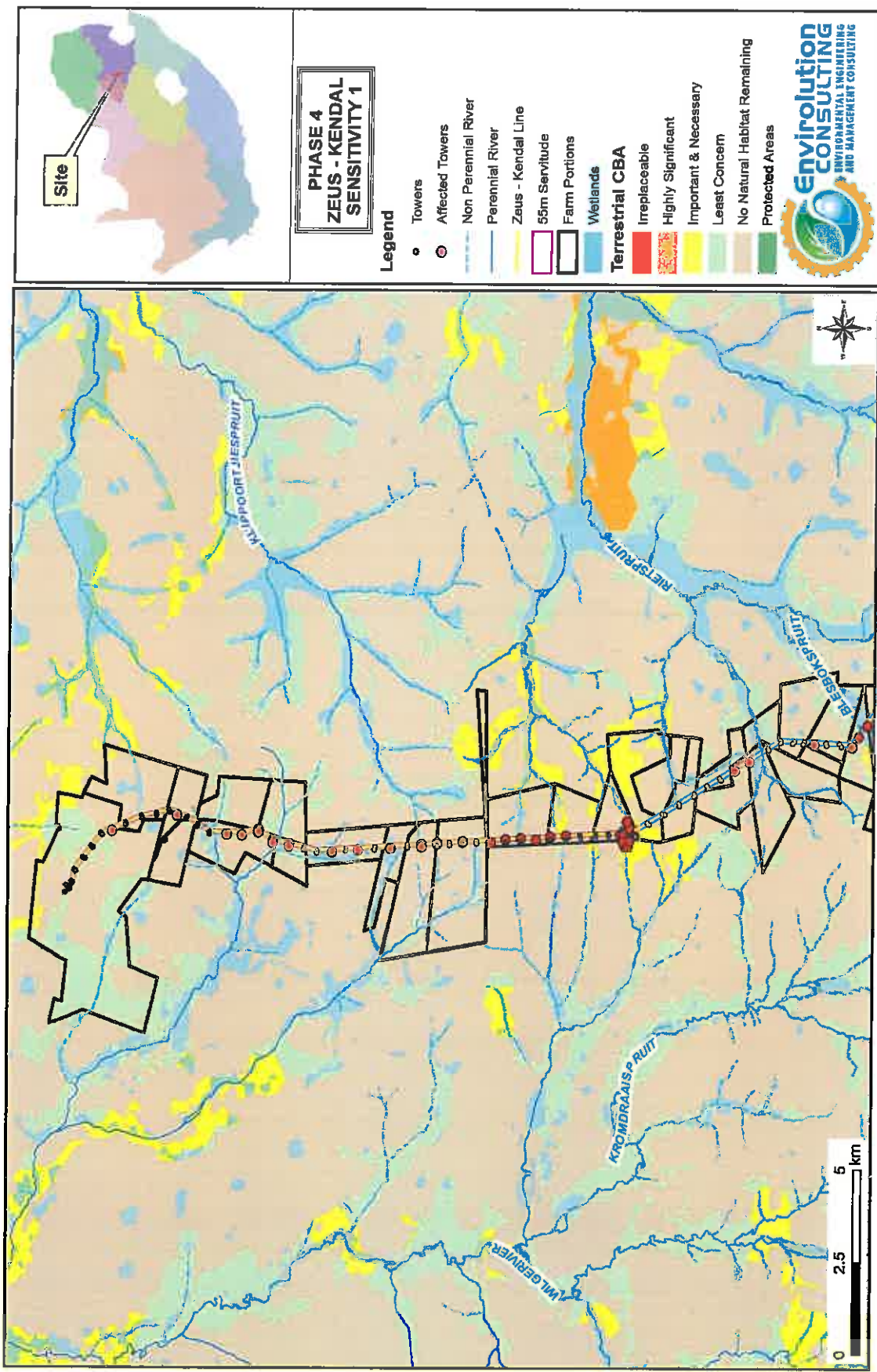


Figure 6.2: Sensitivity Map of the Northern Section of Bravo 4

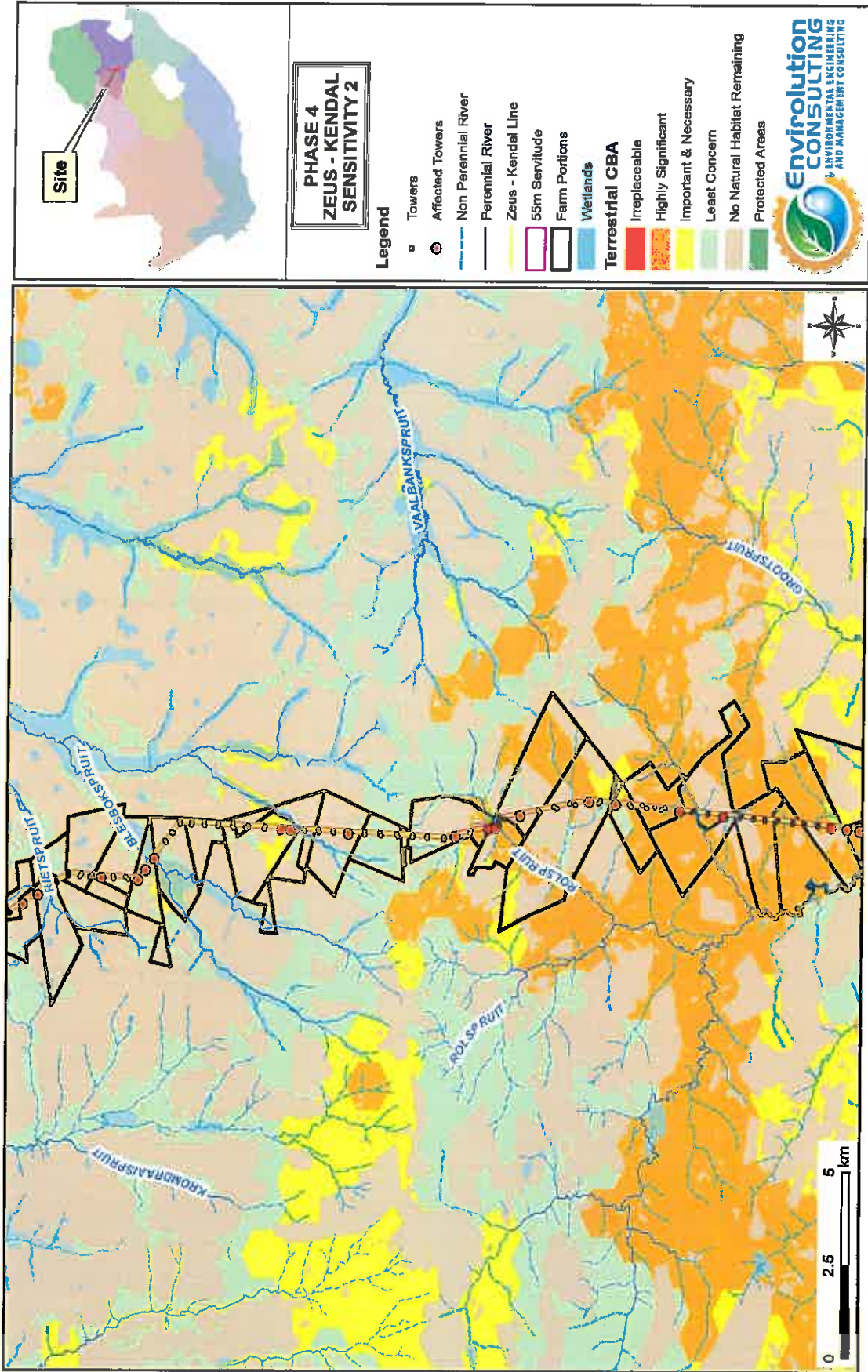


Figure 6.3: Sensitivity Map of the Middle Section of Bravo 4

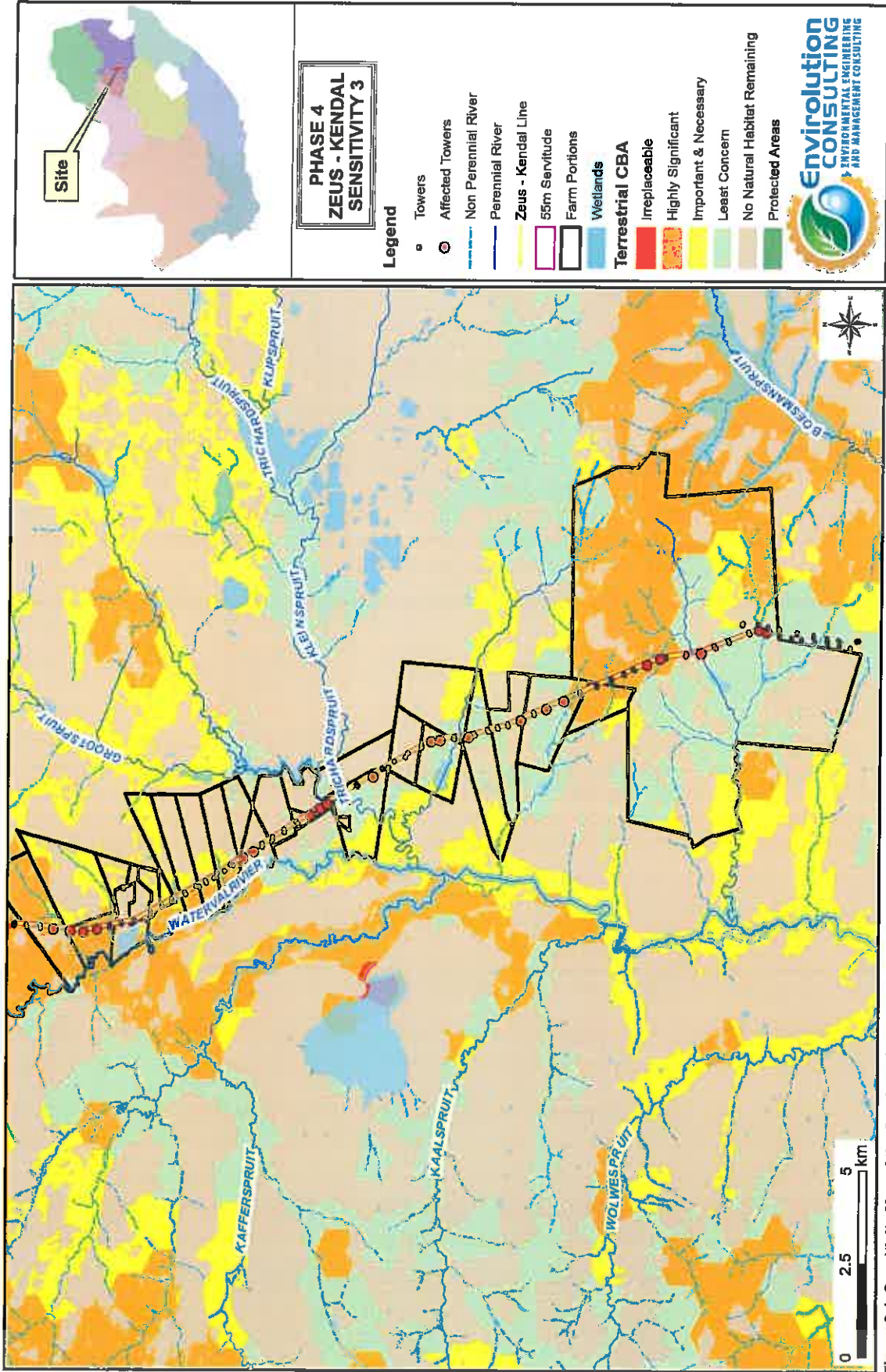


Figure 6.4: Sensitivity Map of the Southern Section of Bravo 4

**APPENDIX 7
PROJECT SCHEDULE**

ID	TASK NAME	START	FINISH
1	Undertake Public Notification	22-04-16	23-05-16
2	Specialist Studies	29-04-16	31-05-16
3	Compile Draft BAR	29-04-16	31-05-16
4	Client Review	01-06-16	02-06-16
5	Compile and Submit Application	01-06-16	02-06-16
6	Prepare Report for Public Review	03-06-16	06-06-16
7	Public Review	07-06-16	07-07-16
8	Dry Runs for Public Meeting	07-06-16	13-06-16
9	Public and Focus Group Meetings	22-06-16	28-06-16
10	Finalise Report and Submit	08-07-16	12-07-16

APPENDIX 8
DECLARATION OF THE APPLICANT

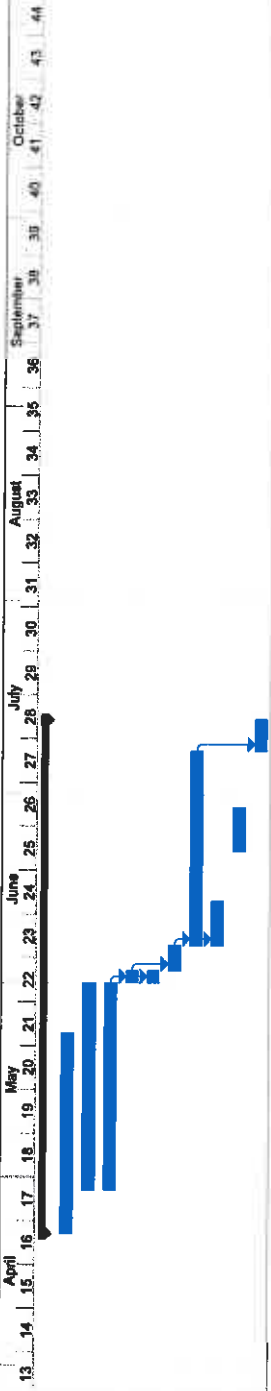
I, Stumeleng Amos Mbeng declare that I -


- 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.

ID	Task Name	Duration	Start	Finish
1	Bravo 4	68 days	Fri 16-04-22	Tue 16-07-12
2	Understate Public Notification	22 days	Fri 16-04-22	Mon 16-05-23
3	Specialist Studies (redo)	23 days	Fri 16-04-29	Tue 16-05-31
4	Complete Draft BARR	23 days	Fri 16-04-29	Tue 16-05-31
5	Eakom Review	2 days Wed	Wed 16-06-01	Thu 16-06-02
6	Compile and submit Application	2 days Wed	Wed 16-06-01	Thu 16-06-02
7	Prepare Report for Public Review	2 days	Fri 16-06-03	Mon 16-06-06
8	Public Review	23 days	Tue 16-06-07	Thu 16-07-07
9	Dry Runs for Public Meetings	5 days	Tue 16-06-07	Mon 16-06-13
10	Public and Focus Group Meetings	5 days Wed	Wed 16-06-22	Tue 16-06-28
11	Finalise Report and Submit	3 days	Fri 16-07-08	Tue 16-07-12




Signature³ of the applicant/ Signature on behalf of the applicant:
Escom Holdings SOC Ltd.
Name of company (if applicable):
25 / 05 / 2016
Date:

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, Andrisha Govender 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.

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;

Govender

Signature of the environmental assessment practitioner:

Envirolution Consulting

Name of company:

03/06/16

Date: