



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	14/12/16/3/3/3/110
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

The proposed Medupi Power Station Flue Gas Desulphurisation

Indicate if the **DRAFT** report accompanies the application

Yes
No

Kindly note that:

1. This application form is current as of 1 April 2016. 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.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) 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 may become public information on receipt by the competent authority.
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:

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	X

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: N/A.....

2. PROJECT DESCRIPTION

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

The Medupi Power Station is located west of Lephalale in the Limpopo Province of South Africa. The Power Station is the fourth dry-cooled, baseload station built in the last 20 years by South Africa's energy provider, Eskom. Medupi Power Station is the fourth largest coal plant in the southern hemisphere and will be the biggest dry-cooled power station on earth. The planned operational life of Medupi Power Station is 50 years. The Medupi Power Station has been authorized, is currently in the last phase of construction, and the first of the six units of the power plant is planned for first power by end of 2014.

The current project is for the retrofitting of Flue Gas Desulphurisation (FGD) technology to remove sulfur dioxide from the exhaust flue gases of the Medupi Power Station operations. Each of the six 800MW coal fired steam electric generating units will be retrofitted with FGD technology.

The FGD technology consists of wet limestone open spray tower FGD systems for each operating unit. Limestone will be sourced and stored on site for purposes of the FGD system. The FGD retrofit will require a mini-general overhaul (MGO) of the Power Station for installation.

Each FGD absorber will treat the flue gas from one boiler. The by-product of the FGD process is commercial-grade gypsum. A cluster of 3 FGD absorbers will be located at each of the two Power Station chimneys. Systems for make-up water, reagent preparation, gypsum, dewatering and storage, disposal and/or treatment of waste water will be introduced for the 6 FGD absorbers.

The FGD system retrofit will include additional dampers and ductwork to divert the flue gas to the FGD absorbers and then return it to the chimney. The chimney flues are lined with corrosion-resistant liners to handle saturated flue gas resulting from the FGD process.

The FGD will be a Zero Liquid Discharge (ZLD) system, with wastes for disposal being primarily gypsum, sludge and salts from the clarifier. Gypsum and ash (both Type 3 wastes) will be co-disposed of at the existing Ash Disposal Facility. The existing ADF has a Water Use license for the first four (4) years of operation. However, gypsum will only be produced from year six (6) of operation. Therefore, new licenses for water uses as well as waste management will be applied for the extended disposal facility from year 6. The sludge and salts will also be produced from the FGD from year 6 of operation of the Power Station. Sludge and salts (Type 1 wastes) will be trucked to Holfontein Hazardous Waste Facility for disposal.

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**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	YES	NO
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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)	X	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 Holdings SOC Limited		
Registration number (if applicant is a company):	2002/015527/06		
Trading name (if any):	Eskom Holdings SOC Limited		
BBBEE status	Level Three Contributor		
Responsible person name (If the applicant is a company):	Theuns Blom		
Applicant/ Responsible person ID number:	7210265043081		
Responsible position, e.g. Director, CEO, etc.:	Project Manager		
Physical address:	Eskom Megawatt Park, 1 Maxwell Drive Sunninghill, Johannesburg		
Postal address:	P.O.Box 1091 Sunninghill, Johannesburg		
Postal code:	2157	Cell:	N/A
Telephone:	011 800 6266	Fax:	086 605 8451
E-mail:	blomtf@eskom.co.za		

Provincial Authority:	Limpopo Economic Development Environment & Tourism		
Contact person:	Tsakane Tshuketana		
Postal address:	Private Bag X 9484, POLOKWANE		
Postal code:	0700	Cell:	N/A
Telephone:	(015) 293 8300	Fax:	(015) 293 8317
E-mail:	TshuketanaTL@ledet.gov.za		

Local municipality:	Lephalale Local Municipality		
Contact person:	AS Naidoo		
Postal address:	P.O.Box X136, Lephalale		
Postal code:	0555	Cell:	N/A
Telephone:	(014) 762 1409	Fax:	(014) 763 5662
E-mail:	Bob.naidoo@lephalale.gov.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:	Eskom Holdings SOC Limited		
Contact person:	Lands and Rights		
Postal address:	P.O.Box 1091 Sunninghill, Johannesburg		
Postal code:	2157	Cell:	N/A
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4**. **Please note that applicant is the owner of the land therefore, a written landowner consent is not required (the application was submitted in terms of the 2010 EIA Regulations).**

Identified Competent Authority to consider the application:	The Department of Environmental Affairs
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Reason(s) in terms of S24C of NEMA 1998 as amended:

The proposed project has implication to the international environmental commitments or relations.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:	Zitholele Consulting (Pty) Ltd			
B-BBEE	Contribution level (indicate 1 to 8 or non compliant)	Level 2 Contributor	Percentage Procurement recognition	N/A
Professional affiliation/registration:	Pr. Sci. Nat. (SACNASP)			
Contact person:	Mathys Vosloo			
Company:	Zitholele Consulting (Pty) Ltd			
Physical address:	Building 1, Maxwell Office Park, Magwa Crescent West, cnr Allandale Road & Maxwell Drive, Waterfall City, Midrand, RSA			
Postal address:	PO Box 6002, Halfway House			
Postal code:	1685	Cell:	084 748 3018	
Telephone:	(011) 270 2079	Fax:	086 674 6121	
E-mail:	mathysv@zitholele.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

5. SITE DESCRIPTION

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

Province	Limpopo	Limpopo
District Municipality	Waterberg District Municipality	Waterberg District Municipality
Local Municipality	Lephalale Local Municipality	Lephalale Local Municipality
Ward number(s)	Ward 3	Ward 3
Nearest town(s)	Lephalale	Lephalale
Farm name(s) and number(s)	Naauw Ontkomen 509 LQ	Eenzaamheid 687 LQ
Portion number(s)	0	0

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

T	0	L	Q	0	0	0	0	0	0	0	0	5	0	9	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	6	8	7	0	0	0	0	0
1	2	3	4	5															
Are there any other applications for Environmental Authorisation on the same property?															YES	NO			
If YES, please indicate the following:																			
Competent Authority		Department of Environmental Affairs																	
Reference Number		12/12/20/695																	
Project Name		CONSTRUCTION OF THE PROPOSED ESKOM HOLDINGS LIMITED: GENERATION DIVISION 4800MW COAL FIRED POWER STATION AND																	

ASSOCIATED INFRASTRUCTURE NEAR LEPHALALE
<p>Please provide details of the steps taken to ascertain this information: EIA process was conducted by Bohlweki Environmental (as independent consultants), study was separated into: Phase 1: Environmental Scoping Study, Phase 2: Environmental Impact Assessment Applications were sent through on the 21 of November 2005 and the Final EIR sent 22 May 2006 to the National Department of Environmental Affairs and Tourism (DEAT).</p>

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 544, 545 and 546	Description of project activity that triggers listed activity
<p>e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</p>	<p>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</p>
<p>GN 544, Activity 9</p> <p>The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water – (i) with an internal diameter of 0,36 metres or more</p>	<p>Construction of clean and dirty water infrastructure associated with the rail yard and FGD infrastructure is expected to be greater than 360mm and 1km in length.</p>
<p>GN 544, Activity 18</p> <p>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from: (i) a watercourse.</p>	<p>It is likely that infilling or excavation of more than 10m³ within a watercourse may occur during construction of the rail yard and associated infrastructure.</p>
<p>GN 545, Activity 3</p> <p>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 more than 500 cubic metres.</p>	<p>The construction of facilities or infrastructure for the storage, or for the storage and handling, of diesel within the FGD footprint and rail yard.</p>
<p>GN 545, Activity 11</p> <p>The construction of railway lines, stations or shunting yards.</p>	<p>The construction of a railway tie-in line and yard for purposes of transport of products to the Power Station and waste products from the Power Station.</p>
<p>GN 546, Activity 14(a)(i)</p> <p>The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation (<i>Exclusions not applicable</i>), (a) In Limpopo, in</p>	<p>The area where construction of the rail yard and associated infrastructure will occur falls outside an urban area and is likely to result the clearance of 5ha of indigenous vegetation</p>

(i) All areas outside urban areas	
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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 54(2) of GN R .543, dated June 2010.

2. (a) fixing a notice board at a place conspicuous to the public at the boundary or on the fence of -	
(i) the site where the activity to which the application relates is or is to be undertaken; and	Yes
(ii) any alternative site mentioned in the application	Yes
(b) giving written notice to –	
(i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;	Yes
(ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;	Yes
(iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;	Yes
(iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;	Yes
(v) the municipality which has jurisdiction in the area;	Yes
(vi) any organ of state having jurisdiction in respect of any aspect of the activity; and	Yes
(vii) any other party as required by the competent authority;	Yes
(c) placing an advertisement in -	
(i) one local newspaper; or	Yes
(ii) any official <i>Gazette</i> that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;	Yes
(d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official <i>Gazette</i> referred to in subregulation (c) (ii); and	Yes
(e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desiring of but unable to participate in the process due to –	Yes
(i) illiteracy	
(ii) disability; or (iii) any other disadvantage.	

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION	APPLICATION
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	REQUIRED		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 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 (Waste Management Act)	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**.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	NO
Appendix 2	Strategic Infrastructure Projects	YES	N/A
Appendix 3	List of Local Municipalities (with contact details)	YES	N/A
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES	NO
Appendix 5	List of SGIDs	YES	N/A
Appendix 6	Project map	YES	NO
Appendix 7	Project schedule	YES	N/A
Appendix 8	Declaration of Applicant	YES	NO
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	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 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</p>	

<p>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:</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:</p>	X
<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. 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</p>	

<p>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**

Not Applicable

**APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

Not Applicable

APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

Not Applicable

**APPENDIX 6
PROJECT MAP**

**APPENDIX 7
PROJECT SCHEDULE**

**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, Theuns Blom, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I 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 EAP or any person contracted by the EAP;
 - 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;
- I 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;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, 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 EAP is responsible for in terms of these Regulations;
- I 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;
- I will perform all 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 am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.

Signature³ of the applicant/ Signature on behalf of the applicant

Name of company (if applicable)

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

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.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

Date:

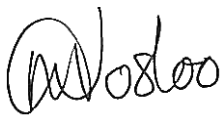
APPENDIX 9
9.1 DECLARATION OF THE EAP

I, Mathys Vosloo, declare that –

- I act as the independent environmental assessment practitioner in this application;
- 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 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 will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- 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, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B 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;
- ~~• I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the environmental assessment practitioner

Zitholele Consulting (Pty) Ltd

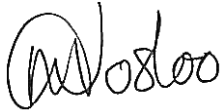
Name of company

19 February 2018

Date

APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, Mathys Vosloo, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the environmental assessment practitioner

Zitholele Consulting (Pty) Ltd

Name of company

19 February 2018

Date

Signature of the commissioner of oaths

Date