



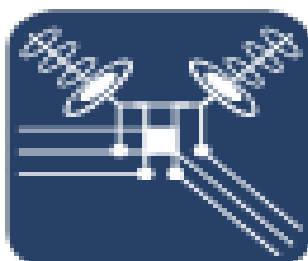
“Changing the world for a sustainable living”

**ENVIRONMENTAL COMPLIANCE AUDIT REPORT
FOR
CONSTRUCTION PHASE FOR DINALEDI - MADIBENG SUBSTATION 132 KV
8km POWERLINE IN MADIBENG MUNICIPALITY**

DEA REF: 14/12/16/3/3/1/1442

August 2017

AUDIT REPORT NO 5



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DECLARATION OF INDEPENDENCE

In terms of Chapter 5 of the National Environmental Management Act of 1998 specialists involved in Impact Assessment processes must declare their independence

I, Mokgadi Charlotte Maphaha as authorised ECO representative for MuTingati Environmental Consulting, I do hereby declare that neither MuTingati Environmental nor myself have any interest / business, personal, financial or other interest in the proposed development apart from fair remuneration for the work appointed for specifically as independent Environmental Control Officer for the above listed projects in Eskom NWOU.

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TABLE OF CONTENTS

1.	INTRODUCTION.....	6
2.	PROJECT LOCALITY AND ACTIVITY DESCRIPTION	6
3	AUDIT METHODOLOGY	7
4	AUDIT OBJECTIVE	8
5.	AUDIT SCOPE.....	9
6.	PROJECT ACTIVITIES.....	9
7.	AUDIT ATTENDANCE REGISTER	10
8	PREVIOUS FINDINGS PROGRESS	11
9.	NEW ISSUE AND FINDING.....	12
10	INFORMATION VERIFIED	12
11	CONCLUSSION.....	13
12	TABLE 1: COMPLIANCE STATUS.....	14

PHOTO PLATE DINALEDI

APPENDIX A: EMPr CHECKLIST

APPENDIX B: EA COMPLIANCE CHECKLIST

Acronyms

- EMPr** Environmental Management Programme
- DEA** Department of Environmental Affairs
- DWS** Department of Water Affairs and Sanitation
- ECO** Environmental Control Officer
- EO** Environmental Officer
- ELO** Environmental Liaison Officer
- MC** Main Contractor
- OHSA** Occupational Health & Safety Act
- PPE** Personal Protective Equipment
- EA** Environmental Authorisation
- WUL** Water Use License
- DAFF** Department of Agriculture, Forestry and Fisheries
- SAHRA** South African Heritage Resources Agency

1 INTRODUCTION

MuTingati Environmental Consulting was appointed by Trans- Africa Projects herewith referred to as "TAP" on behalf of Eskom North West Operating Unit (NWOU) to conduct an independent environmental compliance audit as a requirement in terms of Environmental Authorisation (EA) approved for the above Eskom proposed power line. The report must be submitted monthly to Department of Environmental Affairs (DEA).

DEFINING ENVIRONMENTAL AUDITING

The International Standards Organisation (ISO) defines an environmental audit as a

'Systematic, documented verification process of objectively obtaining and evaluating audit evidence (verifiable information, records or statements of fact) to determine whether specified environmental activities, events, conditions, management systems, or information about these matters conform with audit criteria (policies, practices, procedures or requirements against which the auditor compares collected audit evidence about the subject matter), and communicating the results of this process to the client (organisation commissioning the audit).'

It is important to note that a requirement of an environmental audit is that evidence must be verified by supporting documents, if this is not the case, then the process is a review, survey or assessment. Unlike monitoring, audit is a methodical examination (including tests, checks, and confirmation) of environmental procedures and practices with the view of verifying whether they comply with internal policies, accepted practices and legal requirements.

In this case both the Environmental Authorisation (EA) and the EMPr for Dinaledi power line construction projects have been approved by the Department of Environmental Affairs. There are stipulated conditions in the EA and EMPr that must be adhered to during the construction phase of the projects.

This report intends to provide information in the form of audits demonstrating the EA and EMPr compliance of the project and also avoid, where possible, negative impacts on project-affected ecosystems and communities. Where impacts are unavoidable, they should be minimised, mitigated, and/or compensated for appropriately as per the EMPr specifications compiled for the project. The report contains the narrative on the status quo of the environmental compliance on site observed during the inspection as well as a checklist with a compliance score.

The following were assessed during the visit:

- Site construction camp including site storage for materials, storage for oil/fuel, storage for general waste and Essential services (ablutions and drinking water facilities);
- Site construction power line; and
- EMS file.

2 SITE LOCALITY AND ACTIVITY DESCRIPTION

Dinaledi-Madibeng 132KV 8km power line is situated east of Brits and to the north east of the Brits Industrial area. Elandsrand residential area is situated to the west of the project area. The power line route will traverse several properties east of Brits towards the Dinaledi MTS (Main Transmission Substation) in Madibeng Local Municipality, Bojanala District Municipality in the North West Province

The project entail “the construction of 2 x 8km 132kV Twin Bersfort power lines from the existing Dinaledi MTS Substation to the new proposed Madibeng Substation”.

3 AUDIT METHODOLOGY

The first stage of the environmental audit is to determine the audit objectives, audit criteria followed by the scope of the audit.

In order to address the requirements of both Eskom and the Competent Authority, a Checklist has been prepared to discuss the findings on each of the specific areas within the construction site servitude of Dinaledi power line. Environmental specifications included in the audit checklist were based on the Environmental Management Programme (EMPr), Environmental Authorisation (EA), relevant environmental regulatory and policy including Eskom’s Environmental Specifications applicable to the project as well as interviews with workers.

The checklist consists of a rating column and a compliance status report, which will indicate or reflect the level of compliance of the project to the EMPr and EA and other applicable legislation.

The rating column is ranked from 0 - 3, where:

- 0- Will imply that non-compliant with the requirements of the EMPr, EA by the contractor.
- 1- Will imply that the Contractor has partially complied and are aware but has not fully complied with the EMPr, and is effectively making efforts to improve and remediate the situation.
- 2- Will imply that contractor has complied with all EMPr requirements (and specifications and to the satisfaction of the ECO).
- 3- Mean that the Contractor has fully complied with all EMPr and EA requirements.

The compliance status reports will generally show the number of compliances and non-compliances per audit. The status report will also indicate the number of conformances versus non-conformances of the audit for the site. Please note that the audit process will classify activities/sections as N/A if the activity has not commenced or could not be determined by the auditors at the time this audit was undertaken.

The audit will also rate and consider some specifications as Work in progress (WIP). WIP will in this audit refer to an activity that has been started as an attempt by the Contractor to effectively curb, mitigate or address a particular environmental issue but had not fully completed by the time of the audit. All WIP's will not be scored/rated for the purposes of this audit.

This report intends to provide information demonstrating the EMPr compliance of the project; the report contains the narrative on the status quo of the health, safety and environmental compliance on site during the inspection. For the purposes of this audit, the description of the scoring methodology in terms of the overall.

The Checklist is compiled in accordance with EMPr & EA and specifies that the different aspects of the construction phase should be scored as follows:

Description	Scores	%Percentage rating
Non-compliant	0	< 50%
Partial compliant	1	>50<90%
Compliant	2	>90%
full compliance	3	>100%

The percentage compliance rating can further be explained as follows:

- ❖ 01% - 40% - indicates bad environmental practice;
- ❖ 41% - 60% - indicates fair environmental practice;
- ❖ 61% - 80% - indicates good environmental practice; and
- ❖ 81% -100%- Indicates best environmental practice.

Compliance status scores

*Total aspects are the sum of all the environmental aspects (compliances, non-compliances, WIP and N/A) that are listed in the checklist

* Total Score obtained would include the sum of compliances and non-compliances that were audited during the time of the audit

*Total Potential Score is the sum of the total possible score (all compliances).

4 AUDIT OBJECTIVES

The aim of this independent compliance audit is to review/ inspect the construction activities or processes, document the potential areas of non-compliance, and determine potential improvements that can be made to ensure compliance with approved EA and the EMPr compiled for the project and also avoid, where possible, negative impacts on project-affected ecosystems and communities. Where impacts are unavoidable, they should be reduced, mitigated, and/or compensated for appropriately as per the EMPr specifications compiled for the project.

Furthermore the audit report will identify and assess any new impacts and risks as a result of undertaking the activity.

5 AUDIT SCOPE

The scope of this audit was to assess the construction stage of the Dinaledi – Madibeng power line against the conditions and requirements of both the EA and EMPr

The construction is now fully commenced. The official month of commencement of construction activities was April 2017 as advised by the contractor. The site inspections took place on the 28 August 2017.

The following were undertaken during the audits:

- Site Camp Inspection; and
- Active Construction site inspection;
- EMS file.

6 PROJECT ACTIVITIES AND TASK UNDERTAKEN BY ECO DURING AUDITS

6.1 The main construction activities:

The main activities of the day on site was the excavation of trenches and placing rocla rings and backfilling and also planting the poles.

6.2 Tasks undertaken by ECO during the inspection audits:

The following activities were undertaken:

Assess construction camp / offices (this includes storage areas for material, storage for oil, storage for solid waste and Ablution facilities).

Assess construction activities for power line.

The inspection audit criteria and documents required for the successful audit completion were based on the checklist compiled and attached in this report as Appendix A. This checklist will be used as an audit tool. Information provided during the audit was verified on site. This report

formally presents the results of the audit conducted and will be used for decision making and any necessary corrective actions.

The audit report will include relevant supporting information such as photographs of the site where possible.

7 AUDIT ATTENDANCE REGISTER ROLE AND RESPONSIBILITIES

The site inspections took place respectively on 28 August 2017 at 14:30 with the team as follows:

Name	Position	Company/ organisation
Nyeleti Manyike	ECO	MuTingati Environmental for Trans-Africa Project (TAP)
Tshepo Tlhogane	SHE Officer	Katshesa Engineering

8. PREVIOUS FINDINGS PROGRESS REPORT

Below is the progress of findings of the inspection review taken place on the 28 August 2017.

Result will be interpreted as follows:

Green > will imply Closed; and

Red > will imply still pending,

All pending need to be closed by the date indicated in the table

TABLE A: previous findings progress status

ITEM	FINDING DESCRIPTION	ACTION REQUIRED	RESPONSIBLE PARTY	CLOSED / NOT CLOSED	IF NOT CLOSED WHEN
01	Drip trays are not placed under the construction vehicle/ machinery.	Put drip trays underneath construction machinery	Contractor	Drip trays placed underneath construction machinery/ vehicles.	
02	No toilets at the construction site:	Toilets should be provided at the construction site.	Contractor	X No toilets at construction site. Trailer was purchased and still waiting for it to be delivered.	04 September 2017
03	Toilet tissue not provide toilet tissue		Contractor	Tissue provided for workers	

9. NEW ISSUES / FINDINGS ARRISED AND COMMENTS

During the site inspection at construction site the following was observed and discussed:

9.1 Diesel storage tank is stored next to designated smoking area. The matter was discussed and it was agreed that the smoking area should be relocated to a further distance to avoid incident. This matter should be closed on or before 13 September 2017.

9.2 Toilets are not being serviced, and both male and female toilets at camp are full. Urgently ensure that the service provider service the toilets. The matter should be attendant urgently and further on the Audit/ monitoring done on 07 August 2017, the toilets were also full and proof to indicate that toilets are being serviced was not provided. This matter was attendant and closed on 29 August 2017

9.3 Eskom August monitoring report is not in the EMS file. And it was indicated that the August report will be made available and filed.

Other comments:

Ensure that at least a refuse bag is kept at construction site for storage of general and before knocking off the bag should be dumped at designated bins at camp.

Though dry winter now, weeds as well as alien plant should be monitored and taken care of around the site camp. The camp is being managed effectively in terms of the conditions stipulated in the EMPr and EA so far. The general housekeeping at site camp was good no weeds and no littering were noticed during this inspection.

Table 2: Observations and recommendations

Item	Area	Activities for the day	Findings /observation	Picture evidence if applicable	Recommendations	Closure date
1	Site camp	Excavations and placing rocla rings, backfilling ad planting poles	Toilets are not being serviced and they are full. It was indicated that the toilets were serviced on the 29 August 2017 and proof was not provided.	See photo plate	Toilets are supposed to be serviced weekly and should the number of employers/ labourers increase at least twice a week.	04/09/2017
2.	Site camp	Excavations and placing rocla rings, backfilling ad planting poles	Eskom July/ Aug monitoring reports are not in the EMS file. And it was indicated that the August report will be made available and filed.	N/A	Eskom monthly monitoring conducted and reports should be filed in the EMS file.	04/09/2017

10. INFORMATION DOCUMENT VERIFIED

Below environmental aspects were verified on this audits. Information was fulfilled by the EO, ELO / SHE officer, included the following documents:

- Construction camp and site;
- EMS file.

Appendix A & B attached checklist confirm the above compliance of the EMPr and EA with scores allocated as explained above.

11. CONCLUSION

Environmental audits help in assuring the accuracy and relevance of environmental monitoring. A requirement of an environmental audit is that evidence must be verified by supporting documents and environmental auditing is defined as a methodical examination (including tests, checks, and confirmation) of environmental procedures and practices with the view of verifying whether they comply with internal policies, accepted practices and legal requirements.

The environmental audit of this project used two main tools: a checklist and site verification through interviews and observations.

The environmental management of the project **scored 92.1% (133/144) with** total compliance score 92.1% (see compliant status table B). 100% EA Compliance. This score indicates a good compliance status to the requirements of the EMPr and EA. It is recommended that improvement on toilets at both construction site and camp regarding toilet tissue be attended. The contractor must aim to maintain the good environmental record of compliance by ensuring that construction activities conducted are in compliance to the EMPr and EA at all the times. The recommendations provided in this report and EMP, EA will assist the contractor to ensure they retain and improve the good environmental management standards and therefore must be adhered to.

Table 2: Compliance Status Report (August 2017):

Eskom: Dinaledi- Madibeng 132 kV power lines	Complaint EA in current applicable requirement	99
	Compliances	133
	Partial Compliances	5
	Non compliances	1
	Observstion	1
	Could not be determined	0
*Total aspects audited (excl. N/A, & WIP)		144
*Total Score Obtained (compliances + partial compliance)		133
*Total Potential Score (= to sum of all compliances excl. N/A & WIP)		
TOTAL		92.1%

DINALEDI PHOTO PLATE



Photo 1 & 2: Construction activities of the site



Photo 3 & 4: Stockpiles of soil during preparation of rocla rings



Photo 5,6 &7: Water tanker at site, labours doing risk assessment and toilets full at camp

APPENDIX A:

Table 1. Environmental Management Programme (EMP) AUDIT CHECKLIST

Project name	DINALEDI-MADIBENG 2x8km 132KV POWERLINE
DEA ref	14/12/16/3/3/1/1442
EO	Aron Senyolo
ECO	Nyeleti Manyike
Site Supervisor & SHE rep	Tshepo Tlhogane
Audit Date	28 August 2017

Item	Environmental aspect	Responsible person	Score rating	Observation	Remark
1. SEWAGE TREATMENT					
1.1	Ablution facilities available. Toilet adequate for both male and female(1 per 10 people)		1	No toilet at construction site, plan in place.	It needs to be attendant urgently
1.2	Chemical toilet supplied serviced regularly		2	Toilets were serviced on 29 August 2017, proof provided.	Toilets need to be serviced at least once a week
1.3	Waste manifest , Waste transportation licence available	Contractor	3	August waste manifest was later sent on the 29 August as proof.	
Score			6/9		
%			67%		Improve
2. SAFETY / FIRES					
2.1	Areas of no entry demarcated with danger tapes	Contractor	3	NO GO areas on the route they are working at	Monitor the trenches and avoid animals like cows to felling in the ditches And workers should be adviced not to disturb or dump waste on the stream
2.2	Signs of fire activities on site camp	Contractor	3	None at camp and site	

2.3	Adequate fire extinguisher installed around perimeters and site office the fire extinguisher service maintenance up to date	Contractor	3	Fire extinguishers are available	
2.4	Spill kit available	Contractor	3	Spill kit available on site	
2.5	Gas and liquid fuels not to be stored in the same storage area	Contractor	N/A		
2.6	Emergency drills conducted	Contractor	3	Plan in place	Drills should be conducted as per the plan
Score			15/15		
%			100%		
3. SOLID WASTE MANAGEMENT					
3.1	General surrounding and housekeeping condition	Contractor	3	The site camp clean and tidy no littering and no weeds	
3.2	Waste storage bins available and labelled accordingly and demarcated	Contractor	2	No waste bins/ refuse bags at the construction site.	
3.3	Refuse stored in appropriate scavenger proof containment vessels		3		Waste is collected weekly contract need to be verified.
3.4	Pest control management		N/A		
Score			8/9		

			%	89%		
4.	PORTABLE WATER					
41	Drinking water should be made available at convenient locations	Contractor		3	Water is been supplied by 25 litre gallons daily for drinking and washing hands.	
			Score	3/3		
			%	100%		
5.	NOISE POLLUTION					
5.1	All employees must be given the necessary ear protection gear if the noise levels exceed 70dB.	Contractor		N/A	No heavy machines and no blasting at this stage	Ear plugs must be provide all the time when heavy machines are used and blasting taking place
5.2	Interested & Affected Parties must be informed about impending excessive noise. Generators and pumps must be housed in casings to help reduce any noises in operation	Contractor		N/A	No excessive noise presently is happening at site	Work must take place during the week only otherwise adhere to EMPr.
5.3	Generators and pumps must be housed in casings to help reduce any noises in operation	Contractor		N/A		
			Score	N/A		
			%	N/A		

6. ACCESS ROADS					
6.1	Use existing access roads at all times, should temporary roads be required such, road should be rehabilitated upon completion of construction period, the contractor must ensure that the access roads are returned to a state no worse than prior to construction commencing	Contractor	3		During rehabilitation adhere to the EMP
6.2	Drivers must strictly stick to speed limit.	Contractor	3	Vehicles keeping to speed limit	
6.3	Signage and safety precaution measures visible on roads	Contractor	2	Signage and safety signs are only at the camp and not erected on access road and construction site.	
6.4	Dust control measures be placed to reduce air pollution caused during construction dust suppression methods such as water spraying. Water used for this purpose must be in quantities that will not result in the generation of run-off water spray every 2	Contractor	2	Dust suppression is not being done	

	to 3 hours				
			Score	10/12	
			%	83%	
7.	GROUND WATER MANAGEMENT				
7.1	Prevent pollution of ground water by construction activities	Contractor, EO	3	Diesel tank placed on concreted surface, and bund walls to contain spills	
7.2	Spills NOT to be hosed down into surrounding natural environment.	Contractor, EO	N/A		
7.3	Spillages of oils and other fuels on the ground not to be cleaned using hosing method	Contractor, EO	N/A	No spills identified	
7.4	Contaminated soils by oil spillages are to be scraped or excavated to the depth of not less 300mm below the contamination saturation mark and be disposed at permitted landfill site	Contractor, EO	N/A		
7.5	Grey water must be controlled. Disposal facilities must be maintained. Wash water can be used to irrigate lawns. Hazardous waste water must be taken	Contractor, EO	N/A	Empty cement works are rinsed to remove hazardous chemical substances, the bags are dried and disposed as general waste. Rinsed waste water is	EXCELLENT control method

	to the licensed waste disposal site that deals with the kind of waste			recycled and used for spraying road as dust suppression	
7.6	Maintenance and repairs should be done off site if not a designated area with concrete slab and bund wall must be used No repair work shall be done on the ground surface	Contractor	3	No evidence of maintenance happening at camp	
			Score	6/6	
			%	100	
8.	SURFACE AND STORM WATERMANAGEMENT				
8.1	Abstraction of water for domestic use must be restricted		N/A		
	Reduce the number of stream crossing		N/A	Only one stream is crossed and the method using for clearing keeps the required site.	
8.2	A drainage diversion system to be installed to divert runoff from areas of potential pollution e.g.: vehicle maintenance area, chemical and fuel storage.		N/A		
8.3	Rainwater containing pollutants should not run off		3	No pollution activities, mixing of cement is not	

	into natural areas and in the river			done on the ground, no oil leaks by generators or trucks observed	
8.4	Avoid or limit soil erosion		6	No erosion signs at present	
		Score	9/9		
		%	100%		
9.	SOIL AND EROSION MANAGEMENT				
9.1	Contractors must use existing roads to minimise more tracks	Contractor, EO	3	Fulfilled	
9.2	Stock pile of top soil should be done in designated areas only	Contractor, EO	N/A	None at camp	
9.3	During construction of the power lines, soil must not be stockpiled on drainage lines or near watercourses	Contractor, EO	3	No stock piles at near drainage or nearby stream construction site	Stockpiles should be kept at least 100m from watercourses or drainage
9.4	Top soil and subsoil to be stored separately	Contractor, EO	3	Two heap of topsoil and subsoil at construction site safely stored and separated.	
9.5	Top soil should not exceed 2m height and slopes	Contractor, EO	3	Fulfilled	
9.6	Stock piles to be utilised for rehabilitation within one year to prevent the leaching nutrients	Contractor, EO	N/A	Not applicable at this stage	
9.7	All erosion damage to be repaired as soon as possible	Contractor, EO	3	No signs of erosion	
9.8	Avoid contamination of soil with	Contractor, EO	3	Diesel tank quarantined and	

	oil, grease, diesel, petrol, waste or any other foreign matter, which may impact on the capability of the soil as a growth medium.			placed on bund wall to prevent contamination of soil	
9.9	Vehicle and machinery inspection checklist to be developed to avoid leakages and spillages on soil	Contractor EO	3	Vehicles and machinery are inspected and checklist is developed	
		Score	21/21		
		%	100%		
10.	EXCAVATION TRENCHING BACK FILL & LEVELLING				
10.1	Excavations must be marked with a red tape to demarcate the area.	Contractor, EO	3	Adhered	
10.2	Open and close excavation same day, where possible	Contractor, EO	3	Adhered	
10.3	Excavations must not stand longer than 14 days	Contractor, EO	N/a		
10.4	Deficiency of backfill material will not be made up by excavation within the remainder of the development area or private properties. Where backfill material is deficient, it must be made up by importation from an	Contractor, EO	3	Only soil removed during excavation for rocla rings were used to back fill	

	approved borrow pit				
10.5	During long holidays all open excavation must be temporarily closed for safety purpose	Contractor, EO	N/A	N/A at this stage	
			Scores	9/9	
			%	100	
11.	HAZARDOUS SUBSTANCES ,SPILLS MANAGEMENT				
11.1	Petroleum, chemical, hazardous waste to be stored in well maintained containers	Contractor, EO	3	Diesel tank and other hazardous material contained	
11.2	MSDS Storage of Hazardous substances and handling should be clearly indicated and MSDS always available	Contractor, EO	2	No indication of Diesel storage area and restricting access.	Signage should be placed
11.3	Storage of hazardous substances to be under strict control	Contractor, EO	2	No personnel appointed/ task to control access to the diesel storage area.	
11.4	Spill kit to be available at all times and emergency drills be conducted every three months	Contractor, EO	3	Spill kit available	
11.5	Drip trays and lined earth bunds must be provided underneath vehicles and equipment to contain any spills of material such as fuel and oil during dispensing and refuelling	Contractor, EO	3	Drip trays are available. Bund wall for diesel storage is constructed a	

11.5	Temporary fuel storage tanks and transfer areas to be located on an impervious surface adequately bunded to contain accidental spills	Contractor , EO	3	Impervious surface, drip trays and pallet in plays	Bund wall for diesel storage has been constructed
			Score	16/18	
			%	80%	
12.	FLORA AND FAUNA PROTECTION				
1.1	Anti-Bird collision devices: Placement of pylons must be positioned to minimise impacts on birds. b) Bird flight diverters and perches Placement of pylons must be positioned to minimise impacts on birds. Bird flappers (or equivalent) to be fitted at appropriate.	Contractor	N/A	N/A at this stage	
12.2	Community plant vegetation and animal identified and measures in place	Contractor, EO	3	Adhere to speed limit	Protect animals from injury or being trapped from excavation by barricading the trenches/ ditches
12.3	Avoid injury to death and trapping of wild animals by reducing speed of construction vehicles.	Contractor	3	Trenches are checked regularly and no animals were trapped or killed.	Slow down when animals are observed to avoid incidents

	b) Holes must be inspected daily to monitor for trapped animals				
12.4	No fire wood will be collected on site and surrounding vicinity		N/A	Fire wood was observed being collected by locals	
		Score	6/6		
		%	100%		
13.	NO GO AREAS/ SENSITIVE AREAS				
13.1	No Go areas demarcated	Contractor	3	No go area in the route.	
13.2	Confirm absence of Red Data Species / archaeological sites, artefacts, and water bodies	EO, ECO Contractor	3	Graves were identified however the graves were approximately 1km outside the servitude line and will not be disturbed.	Adhere to EMPr and EA conditions
13.3	Permit of removal of indigenous plants within the vicinity must be obtained if applicable	EO, Contractor	3	No indigenous plant requires removal	If identified report to ECO
13.4	Other Specialists reports, HIA, ecology avifauna and Anti – collision undisturbed.	Contractor , EO	N/A	Botanical walk through was done	If identified report to ECO
13.5	The contractor must attend a site inspection with the ECO to be orientated with the sensitive aspects of the site and take cognizance of the boundaries of the construction area. The ECO must point out any site-	ECO, Contractor	3	Eskom EO conducted the walk through	

	specific aspects of importance on the site;				
13.7	Emergence alien/invasive species and weeds controlled	ECO,EO, Contractor	N/A	None at camp	
			Score	12/12	
			%	100%	
14	COMMUNICATIONS STAKEHOLDERS / I&AP				
14.1	Evidence of Communication with land owners	Contractor	1	Proof still not available	Communication log book developed
14.2	Evidence of public and or liaison with I&AP or stakeholder engagement	Contractor	3	Register / log book not available	Developed communication register
14.3	Induction Training including toolbox talks conducted	EO, ELO	3	EO presented training register in place	All topics presented to be filed
			Score	7/9	
			%	78%	
15	INCIDENT ACCIDENT REPORTING				
15.1	Incident accidents reported in time log sheet and remediation measures mitigated	ELO/ Contractor, EO	3	No incident (interviews conducted)	Incident log sheet in place
			Score	3/3	
			%	100%	
16.	CONTRACTOR PARTICIPATION IN AUDIT				

16.1	The contractor must form part of the audit inspection and participate fully in the audit	Contractor	3	Complied ; The contractor SHE officer not present during entire the audit	
			Score	3/3	
			%	100%	
17.	REHABILITATION				
17.1	Upon completion of project, remove all temporary structures, materials, waste, and facilities.		N/A At this stage		
17.2	Identify suitable indigenous plant for rehabilitation process				
17.3	Cutting of poles and steel structures recommended, poles are to be uprooted				
17.4	Disturbed and open areas must be rehabilitated and re-vegetated as soon as possible upon construction completion and must be rehabilitated such that the surrounding areas are returned to a state no worse than prior to construction commencing				
			Score / percentage	N/A	

APPENDIX B

Table 2: Environmental Authorisation checklist compliant

Rating Scale				
Legal aspect	Action required	Compliant status	Audit findings	Rating
EA 30 - Final Walkthrough	N/A	NA		
EA 24 - Bird Anti-Collision devices	Bird Anti-Collision devices must be installed onto specific sections of the line with input from the Avifauna specialist.	N/A at this stage		
EA 25– Exotic plant	No exotic plant must be used during rehabilitation. Only indigenous plant must be utilised	N/A at this stage		
EA 29 – Tree Permits & Departmental permits	Before the clearing of the site, permits must be obtained from DAFF for the removal of indigenous, protected and endangered plants and animals	N/A	No removal of protected tree was identified	
EA 30 – Waste management plan	An integrated waste management plan must be implemented based on waste minimization	Compliant		

	and must incorporate reduction , recycling reuse and disposal method			
EA 31 – Solid Waste Management	Any solid waste, which will not be recycled must be disposed at a licensed landfill. Copies of all waste disposal certificates must be kept on site.	Eskom to collect recyclable		
EA 32 – EA EMP and Audits reports specialist reports	Copy of EA, EMPr and audits reports must be available at site and must be authorized to anyone requesting it.	compliant	EA, EMPr and Audit reports in place at site camp	
EA 36- Authorities not held responsible	All relevant authorities(national, provincial and local) shall not be held responsible for any damage or loss by holder of authorization suffered were construction operations is temporarily, or permanently stopped due to non- compliance .	Noted	The contactor is currently complying with the EA, and EMPr conditions	
EA 32 – Environmental Authorisation and EMPr kept on site	A copy of the Environmental Authorisation and approved EMPr must be kept on site at all times.	Compliant	No document at site	
EA 39 - Communication with the Department	The holder of the authorisation must notify the Director: Integrated Environmental Authorisations and the Director: Compliance Monitoring of the Department in writing within 48 hrs if any condition that cannot be adhered	Complied	To date the contractor is complying with all the condition and	

	to.		also it work in progress to ensure compliance	
EA 13, 18 EMP	EMPr to be complied by the contractor, such EMPr can be updated or amended if so required and the updated EMPr must be approved department	Complaint	EMPr in place	
Appeals	Appeals must be submitted in writing to: Mr Z Hassam Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at: Tel: 012-310-3271 Email: AppealsDirectorate@environment.dov.za		Appeal period lapsed and to date to appeal received at DEA.	
EA 9, 10, 11. Notification of I& AP	The holder of the authorization must notify the I&AP of the authorization approval within 14 days of receiving of approved EA , the notice should comply with EA10, the notice should be published	Compliant	Notices published	
EA 5,- 8 Commencement of activity	The authorised activity/ies shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that the	Compliant	Commenced April 2017	

	Minister may, on receipt of appeals against the authorisation or conditions thereof suspend the authorisation pending the outcome of the appeals procedure.			
	Any change of The holder of the authorisation must notify the competent authority of any alienation, transfer and change of ownership rights on the property on which the activity is to take place.	N/A		
	An appeal under section 43 of the National Environmental Management Act (NEMA), Act No.107 of 1998 (as amended), does not suspend an environmental authorisation or exemption, or any provisions or conditions attached thereto, or any directive, unless the Minister, MEC or delegated organ of state directs otherwise	N/A		
	Should you be notified by the Minister of a suspension of the environmental authorisation pending appeal procedures, you may not commence with the activity until such time that the Minister allows you to commence with such an activity in writing.		No suspension letter received to date	

	Implementation due to construction damage, are completed and the site is ready for operation.			
EA, 14- 17 Recording and reporting to the Department	All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the Director: Compliance Monitoring of the Department.			
	The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.		Project still under construction	N/A
	The environmental audit report must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of an approved EMPr.	Complied	ECO compiles the reports as per the requirements of the EMPr	
	Records relating to monitoring and auditing must be kept on site and made available for inspection			

	to any relevant and competent authority in respect of this development.			
EA, 18- 20 Commencement of the activity	The authorised activity must not commence within twenty (20) days of the date of signature of the environmental authorisation.	Compliant	Commenced April 2017	
Notification to authorities	Not less than fourteen (14) days written notice must be given to the Department that the commencement for the purposes of this condition includes site prep notice must include a date on which it is anticipated that the activity will commence, as well as a reference number. This notification period may coincide with the notice of intent to appeal period.	Compliant	Adhered to	
Operation of the activity	Not less than fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.	complied	Adhered to	
Site closure and decommissioning	Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.		N/A	