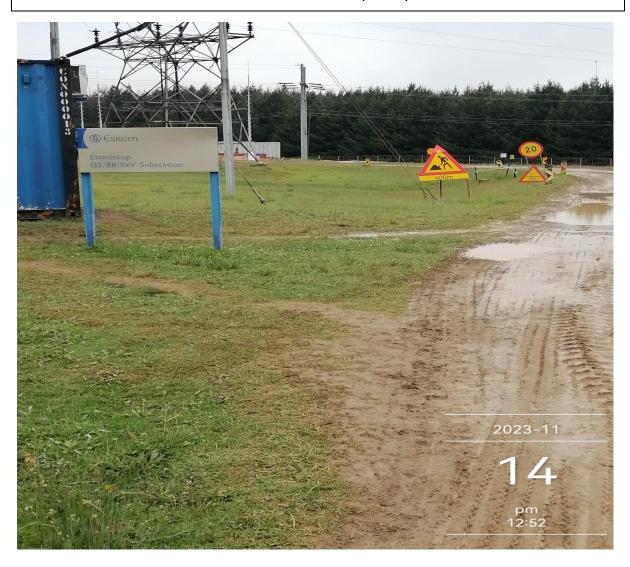
November 2023

ENVIRONMENTAL AUDIT REPORT FOR THE PROPOSED ESKOM HOLDINGS (SOC)
LIMITED BATTERY ENERGY STORAGE SYSTEM (BESS) ELANDSKOP SUBSTATION



REPORT Number: 13 for November 14th 2023 DEA REFERENCE NO.

14/12/16/3/3/1/2114/AM2



Prepared for: Eskom Holdings SOC Limited

Contact: Tshililo Nekhalale

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Submitted by:



I. DETAILS OF THE ENVIRONMENTAL COMPLIANCE OFFICER

SENKOSI ENVIRONM	ENTAL CONSULTANTS
NAME OF AUTHOR	Mr. Sipho Zulu
DESIGNATION	Environmental Compliance Officer (ECO)
QUALIFICATIONS	BSc Enviro. Man (UWC); Proj. Man Diploma (UP); Environmental Law (UNW); Business Comms (UNISA)
AFFILIATIONS	EAPASA (2019/1137); ELA (2022/521/GP); (IAIASA- 7032); (PMSA- 17383381)
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II. DECLARATION OF THE AUTHOR

- I **Sipho Zulu**, on behalf of Senkosi Environmental, as the appointed independent environmental practitioner ("EAP") hereby declare that I:
 - act/ed as the independent EAP in this application;
 - regard the information contained in this report to be true and correct, and
 - do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the NEMA, the Environmental Impact Assessment Regulations, 2014 and any specific environmental management Act;
 - have and will not have no vested interest in the proposed activity proceeding;
 - have disclosed, to the applicant and competent authority, any material information
 that have or may have the potential to influence the decision of the competent
 authority or the objectivity of any report, plan or document required in terms of the
 NEMA, the Environmental Impact Assessment Regulations, 2010 and any specific
 environmental management Act;
 - am fully aware of and meet the responsibilities in terms of NEMA, the Environmental Impact Assessment Regulations, 2014 and any specific environmental management Act, and that failure to comply with these requirements may constitute and result in disqualification;
 - have ensured that information containing all relevant facts in respect of the application was distributed or made available to interested and affected parties and the public and that participation by interested and affected parties was facilitated in

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such a manner that all interested and affected parties were provided with a reasonable opportunity to participate and to provide comments;

- have ensured that the comments of all interested and affected parties were considered, recorded and submitted to the competent authority in respect of the application;
- have kept a register of all interested and affected parties that participated in the public participation process;
- have provided the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not; and
- I am aware that a false declaration is an offence in terms of the EIA regulations.

Signature of the Environmental Assessment Practitioner:

Name of company: Senkosi Environmental

Date: 14/11/2023

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1. INTRODUCTION

Senkosi Environmental is the appointed independent Environmental Control Officer (ECO) for the proposed Eskom Holdings (Soc) Limited Battery Energy Storage System (Bess) Elandskop Substation. The project is located within Msunduzi and Mpendle Local Municipalities, KwaZulu-Natal province. The 13th audit was undertaken on the 14th of November 2023. This environmental audit report is prepared in compliance with Section 34 of the EIA regulations 2014 (as amended), promulgated under the National Environmental Management Act, 1998 (Act 107 of 1998). The report presents findings of the 13th audit that was undertaken against the Environmental Authorization (EA) issued by the Department of Forestry, Fisheries and Environment (DFFE) as well as the approved Environmental Management Programme (EMPr).

Section 34(2) of the 2014 EIA Regulations (as amended) [L01] requires an environmental audit report, "compiled by an independent person ... to provide verifiable findings, in a structured and systematic manner, on

- a) the level of performance against and compliance of an organisation or project with the provisions of the requisite environmental authorization (EA) and Environmental Management Programme (EMPr) and, where applicable, the closure plan; and
- b) the ability of the measures contained in the EMPr, and where applicable the closure plan, to sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity."

1.1 Objective and Scope of this Environmental Audit

The EMPr for the facility was revised in April 2019 to comply with condition 23 of **DEA Ref: 14/12/16/3/3/1/2114/AM2** which requires an Environmental Management Plan (EMP) to be compiled, or an existing operational environmental management system to be amended to include the operations of the authorised activity. In accordance with Appendix 7 of 2014 EIA Regulations (as amended) [L01] the purpose of conducting an EMPr audit is to:

- (a) report on-
 - (i) the level of compliance with the conditions of the environmental authorization and the EMPr; and
 - (ii) the extent to which the avoidance, management and mitigation measures provided for in the EMPr achieve the objectives and outcomes of the EMPr;
- (b) identify and assess any new impacts and risks as a result of undertaking the activity;
- (c) evaluate the effectiveness of the EMPr;
- (d) identify shortcomings in the EMPr; and

(e) identify the need for any changes to the avoidance, management and mitigation measures provided for in the EMPr.

1.2 Credentials of the Independent Environmental Auditors

Senkosi Environmental is a Level 1 B-BBEE, South African environmental consulting company that has been in existence for over 16 years. We pride ourselves in professional advisory services and product delivery to our clients. The service lines offered by Senkosi Environmental include:

- Environmental Screening Assessments.
- Environmental and Social Impact Authorizations.
- Environmental Auditing and Compliance.
- Monitoring of Air, Water, Waste, Soil and Sediment.
- Sustainability management and reporting.

- Advisory Services.
- Climate Change and Air Quality
- Due Diligence Investigations.
- · Products and supplies; and
- Safety Equipment.

1.3 Requirements for Environmental Auditors

The National Environmental Management Act (NEMA) and the 2014 EIA Regulations (as amended) [L01] requires an independent person with the relevant environmental auditing expertise to conduct the assessment and prepare the environmental report. The environmental auditor is required to have the following skills, attributes, and abilities:

Independent and Objective

The environmental auditor should have the ability to unravel the real concerns behind stated issues, have the ability to separate issues from personalities, cultural perspectives and emotions, have empathy towards all viewpoints and prevent vociferous viewpoints from being the only ones that are heard. The environmental auditor is to remain independent and perform work in an objective manner, even if this results in views and findings that are not favourable to the holder of the authorization.

Expertise in conducting environmental impact assessments

The environmental auditor should be knowledgeable of and be able to conduct investigations of the environment likely to be significantly affected by the authorized activity, investigate potential impact consequences for or impacts on the environment and evaluate potential alternatives.

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Comply with the Act, the Regulations and other applicable legislation

The environmental auditor should have knowledge of the environmental legislation (Acts, Regulations and guidelines) that have relevance to the authorized activity. All relevant matters to be taken into consideration when preparing the environmental audit report.

Communicate and Disclose Information

The environmental auditor is required to disclose to the holder of the authorization and the competent authority all material information in their possession that reasonably has or may have the potential of influencing any decision to be taken in respect to the authorized activity; or that may influence the objectivity of the environmental audit report. The environmental audit report must provide verifiable findings, in a structured and systematic manner and be made available to interested and affected parties (including organs of state in all spheres of government that may have jurisdiction over any aspect of the activity) as required by the competent authority.

1.4 Environmental Audit Team

The environmental audit was conducted by the ECO and supported by Admin assistant Ms Mandisi Zulu. The EAP summary expertise are as follows:

Mr Siphosenkosi Zulu compiled the audit report as a Registered Environmental Assessment Practitioner (EAPASA), environmental compliance and sustainability practitioner with 20 years of experience. Siphosenkosi specialises in Strategic Environmental, Social, Economic and Sustainable Development projects. Audits conducted in the past include Water license audit at Kusile Power station, Construction of a 114km line in Free State, Virginia and the PDP construction in Northern Cape, Limpopo, KZN and Mpumalanga province. Siphosenkosi has obtained numerous Environmental Authorisations and Water use licenses in his career. For more information, a CV is attached with more details of his capabilities and expertise.

1.4.1 CVs and Declarations of Independence

Comprehensive CV for the Environmental Compliance Officer is attached in **Annex B**.

1.5 Environmental Audit Methodology

Senkosi Environmental performed an independent assessment of the Elandskop BESS compliance against the EA and the 2020 EMPr conditions. Preparations of the audit were initiated by communicating with the EO on site. Proposed tentative dates of schedule were adopted to be used as a guide to audit dates throughout the construction phase of the project.

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The team was on site and commenced the meeting at 10:35. The template was revised to only focus on the relevant conditions and set those for rehabilitation out of this audit until the next rehabilitation phase.

1.6 Issues of discussion prior audit:

- Rehabilitation and closure of the construction phase
- ♦ Eskom team undertook to have internal discussion regarding the anticipated construction completion date. It became clear that it was not feasible for the completion to have been 4th November as was initially imagined.
- ♦ The ECO indicated that there was a need to do a project scope creep given the extension of the project duration. This would affect December 2023 audit if the adjustment of time schedule and budget is not prioritised.
- ♦ The perimeter fence is set to be replaced as part of the rehabilitation. It is imperative that the same level of care and compliance be adhered to as the battery construction phase.
- ♦ The the construction of the Communication Tower or Mast was already underway during the ECO visit. Excavations were already done, yet the ECO has not had sight of the plans and time schedule which could affect the completion of the entire site construction.
- ♦ It is a concern that no plans were submitted to the ECO for this work. There is no indication if any were submitted to Msunduzi Municipality for their information and/or comment.
- ♦ It is recommend that plans and work schedules be submitted to the ECO and the local Municipality.

The key delivery milestones for the Environmental Audit are presented below:

Table 1: Schedule and action dates

Engagement Milestones	Delivery Date
Initiation of Communication for Audit Plan	07 November 2023
Site visit and initial list of audit findings	14 November 2023
Draft Audit Report submitted to client	22 November 2023
Receipt of comments & review of draft report from Client	23 November 2023
Final Audit Report	24 November 2023
Report Close out	24 November 2023

2. SITE CONSTRUCTION ACTIVITIES PRIOR AUDIT WEEK

The following activities were carried out on the week of the 6th to 10th November 2023:

- Installation of the:-
 - Precast walls,
 - Curbs platform,
 - Screening on the RMUs;
 - Sensors in 11kV switch gear,
 - Steel cover plates,
 - Painting in the control room some office doors in the control room,
 - Installation of jumpers from caliber ceiling end to Busbaar;
 - UPS battery testing;
 - H-vac installation in the control building;
 - Casting blinding for precast wall section;
 - Pressure pump and plumbing installation;
 - Earthing for 11kV switch gear;
 - Small power installation in the control building;

3. SUMMARY OF MAIN FINDINGS

The environmental audit for the month of November was conducted on the 14th of November 2023. On the day of the audit, some non-compliance was noted on site i.e., the precast wall pieces were still placed outside the permitted area or precinct. Garden maintenance was not done, the site was not neat at all. Nevertheless, there was more compliance recorded than non-compliance, proper demarcation of 'No Go' areas; maintenance of good access control at the gate; "No Fire" area signage; demarcated smoking area zones clearly marked.

3.1. Non-Compliance

The recorded non-compliance are as follows:

- ✓ Precast walls pieces were still placed outside permitted area of the precinct, even though in a much lesser amount than last month.
- ✓ Trenches around the Tower Mast were not demarcated.
- ✓ Topsoil was not isolated and secured in a heap.

3.2. Compliance

The compliance included inter-alia;

- ✓ Construction rubble was placed in a dedicated waste skip,
- ✓ Cement was mixed on boards to avoid soil contamination,
- √ Topsoil was properly covered;
- ✓ All workers were wearing appropriate PPE;
- ✓ The access control to the tools and equipment was well maintained and locked with key at the supervisor's disposal;
- ✓ The "No go" areas were clearly marked including smoking area well demarcated.
- ✓ The first aid kit was available on site

4. COMPLIANCE MONITORING

The compliance monitoring was done in line with the approved EMPr and EA. A summary of performance percentages is given at the end of the report showing compliance status.

Table 2: Compliance Rating

Rating	Description	Abbreviation	Colour Code
Compliance	Fully Complying	С	
Opportunity for Improvement (to comply)	Complying with fraction of the conditions	OFI	
Non-Compliance	Not Complying to any of the conditions	NC	
Not Applicable	Conditions that are not applicable at the time of inspection	N/A	

Table 3: Compliance to the EA Conditions

COMPLIANCE TO EA CONDITIONS										
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
Scope of Authorization										
1. The holder of the authorization is responsible for ensuring compliance with the conditions contained in the Environmental Authorization. Including any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant, or person rendering a service to the holder of the authorization.					An environmental officer has been appointed to monitor and enforce compliance on site on a day-to-day basis	Applicant	14 November 2023			
2. The activities authorized may only be carried out at the property as described on page 4 of the EA.					The precast wall units were still placed outside the precinct. The communication tower concrete foundation stumps were	Applicant	14 November 2023			

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COMPLIANCE TO EA CONDITIONS Compliance Responsible **EA Condition Recommendation/ Comments Action Date** Person OFI NC N/A placed near ablution area. Not in the lay down area. See picture on figure 5 in the picture collage. 3. Any changes to, or deviations from, the project There is no deviation from the project description set out in this authorization must be 14 November 2023 **Applicant** approved, in writing, by the Department before such description. changes or deviations may be affected. 4. The holder of an EA must apply for an amendment of A letter from DFFE approving the change the EA with the Competent Authority (CA) of any of name of property ownership for the **Applicant** 22 Nov 2022 alienation, transfer and change of ownership rights in application was presented. Ms. Tshililo the property on which the activity is to take place. Nekhalale has been appointed the new

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	EA Condition		Compliance			Recommendation/ Comments	Responsible	Action Date
		С	OFI	NC	N/A		Person	
						property representative.		
5.	This activity must commence within a period of five (5) years from the date of issue of this environmental authorization. If commencement of the activity does not occur within that period, the authorization lapses and a new application for environmental authorization must be made for the activity to be undertaken.					The activity commenced on 4 November 2022 and the EA was issued on 19 June 2020. Therefore, the activity commenced within a period of five (5) years from the date of issue of this environmental authorization.	Applicant	4 November 2022
6.	Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.					The commencement of the activity was on the 4th of November 2022. A letter was sent to DFFE.	Applicant	4 November 2022

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	EA Condition		Compliance			Recommendation/ Comments	Responsible	Action Date
		С	OFI	NC	N/A		Person	
7.	The holder of the EA must notify interested and affected party (I&AP), in writing and within twelve (14) calendar days of the date of the EA of the decision to authorize the activity. The notification must comply with the said conditions.					The I&APs were notified about the decision to authorize the activity within 14 days of the issue of the EA. The EA was issued on the 19 th of June 2020 and the I&APs were notified on 24 June 2020.	Applicant	24 June 2020
8.	The notification referred to must- 8.1 Specify the date on which the authorisation was issued; 8.2 Inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;					The letter did not inform the I&AP about the reasons of the decision as stipulated in the National Appeal Regulations 2014	Applicant	14 November 2023

COMPLIANCE TO EA CONDITIONS										
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
8.3 Advise the interested and affected party that a copy										
of the authorisation will be furnished on request and										
8.4 Give the reasons of the competent authority for the										
decision.										
Commencement of the Activity										
9. The authorised activity must not commence until the										
period of the submission of appeals has lapsed as per										
the National Appeal Regulations, 2014. In terms of					No appeal has been ladged. The project					
section 43(7), an appeal under section 43 of the					No appeal has been lodged. The project	Applicant	14 November 2023			
National Environmental Management Act, 1998 will					has commenced properly.					
suspend the environmental authorisation or any										
provision or condition attached thereto. In the instance										

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COMPLIANCE TO EA CONDITIONS Compliance Responsible **EA Condition Recommendation/ Comments Action Date** Person OFI NC N/A where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised. 10. The Environmental Management Programme (EMPr) submitted as part of the Application for EA is hereby The mixture of waste has finally been 14 November 2023 **Applicant** approved. This EMPr must be implemented and strictly cleared. adhered to. Frequency and process of updating the EMPr 11. The EMPr must be updated where the findings of the **ECO** 14 November 2023 There is no plan to amend the EMPr. environmental audit reports, contemplated in conditions indicate below, insufficient mitigation

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EA Condition		mplia	nce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation of EMPr.							
12. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.					The EMPr has not been updated.	ECO	14 November 2023
13. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulations 34 of GNR 982, The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated					The EMPr has not been updated.	ECO	14 November 2023

EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
EMPr to the Department for approval.							
onitoring							
The applicant must appoint an independent					An ECO was appointed, and the		
Environmental Control Officer (ECO) for the construction					appointment letter was sent to DFFE.		
phase of the development that will have the							
responsibility to ensure that the mitigation/rehabilitation							03 August 202
measures and recommendations referred to in this						Applicant	
environmental authorisation are implemented and to						Αρριισαίτι	
ensure compliance with the provisions of the approved							
EMPr.							
14.1 The ECO must be appointed before							
commencement for any authorised activities.							

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COMPLIANCE TO EA CONDITIONS

EA Condition		Compliance			Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
14.2 Once appointment, the name and contact details of							
the ECO must be submitted to the Director: Compliance							
monitoring of the Department at					The weekly reports are viewed by ECO		
Directorcompliance@environment.gov.za					from the EO for incidents and		
14.3 The ECO must keep record of all activities on site,					transgressions.		
problems identified, transgressions noted and a task					-		
scheduled of tasks undertaken by the ECO.					ECO is appointed until Rehabilitation is		
14.4 The ECO must remain employed until all					completed.		
rehabilitation, as required for implementation due to							
construction damage, are completed and the site ready							
for operation.							

Recording and Reporting to the Department

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EA Condition	Co	mplia	nce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
15. All documentation e.g., audit/monitoring/compliance							
reports and notifications, required to be submitted to the							
Department in terms of this environmental authorisation,					The ECO submits the reports on monthly	ECO	44 November 2000
must be submitted to the Director Monitoring of the					basis.	ECO	14 November 2023
Department at							
Directorcompliance@environment.gov.za.							

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EA Condition		mplia			Recommendation/ Comments	Responsible Person	Action Date
	С	OFI	NC	N/A			
16. The holder of the environmental authorisation must for							
the period during which the environmental authorisation							
and EMPr remain valid, ensure that project compliance					Audit reports are done and submitted to		
with the conditions of the environmental authorisation					the Authority on monthly basis.	Applicant	14 November 2023
and the EMPr are audited, and that the audit reports are					the Additionty on monthly basis.		
submitted to the Director: Compliance Monitoring of the							
Department at Directorcompliance@environment.gov.za							
17. The frequency of auditing and of submission of the							
environmental audit reports must be as per the					Monthly reports are submitted to the	ECO	14 November 2023
frequency indicated in the EMPr, taking into account the					relevant unit at DFFE.	14 November 2023	
processes for such auditing as prescribed in Regulation							

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EA Condition	Co	mplia	nce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
34 of GNR 982.							
18. The environmental audit reports must be compiled in accordance with Appendix 7 of the 2014 EIA Regulations, as amended and 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 requirements of the approved EMPr.					The audit reports are compiled as per Appendix 7 of the EIA regulations, 2014 (as amended)		14 November 2023
19. 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					The reports are kept on site: The weekly inspection Environmental legal audit Monthly	Tractionel EO Eskom EO	14 November 2023

COMPLIANCE TO EA CONDITIONS										
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
development.					These are conducted by Tractionel and					
					audited by Eskom EO. Audit reports by					
					the ECO audit are placed on site to be					
					accessed by anyone.					
Operation of the Activity						l				
Site Closure and Decommissioning										
20. 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					The activity has not been rendered	Applicant	14 November 202			
comply with all relevant legal requirements administered					redundant.					
by any relevant and competent authority at that time.										

COMPLIANCE TO EA CONDITIONS									
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date		
	С	OFI	NC	N/A		Person			
Specific EA Conditions									
21. The holder of the EA must, prior to commencement of construction, inform this Department on the preferred technology or technology mixture of the BESS.					The department was informed as required.	Applicant	14 November 2023		
22. The holder of the EA must ensure that the volume of dangerous goods on site does not exceed 500m ³					The diesel bowser storing dangerous fuel has not been used and therefore compliant.	Applicant	14 November 2023		
23. Vegetation clearing must be limited to the required footprint for actual construction works and operational activities. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien					Vegetation clearing was adhered to as required.	Applicant	14 November 2023		

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EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
species.							
24. No heritage material will be removed or relocated without confirmation from KwaZulu-Natal AMAFA and Research Institute as well as an accredited heritage professional specialist.					No human remains have been identified, thus none were removed	Applicant/ Contractor	14 November 2023
25. A horticultural specialist must be appointed to identify and relocate sensitive plant species prior to any site works.					A botanist was appointed; however, the site does not constitute any sensitive plant species and no relocation was undertaken.	Applicant	14 November 2023
26. An ongoing Alien invasive Management Plan must be compiled and implemented prior to construction activities.					Complied with prior the construction phase.	Applicant	14 November 2023

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EA Condition		mplia	nce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
27. A Landscape Plan must be submitted to the Msunduzi Municipality: Environmental Management Unit for comment and approval prior to site works commencing.					Landscape plan was submitted.	Applicant	14 November 2023
28. A species relocation plan must be compiled and submitted to the Msunduzi Municipality: Environmental Management Unit for comment and approval prior to site works commencing.					The species relocation plan was compiled and submitted.	Applicant	14 November 2023
29. A storm water management plan must be submitted to Msunduzi Municipality: Environmental Management Unit as well as the Msunduzi Roads and Drainage Management Unit for comment and approval prior to any site works commencing. The Storm Water					A storm water management plan was submitted as required.	Applicant	14 November 2023

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EA Condition		mplia	nce		Responsible Recommendation/ Comments Action Date
	С	OFI	NC	N/A	Person
Management Plan must address the impacts associated					
with the increase in hardened surface area and must					
address quantity and quality of the storm water					
discharged from the site and incorporate on-site storm					
water attenuation measures to ensure the proposed					
development is flood neutral. Post development storm					
water discharge volumes must not exceed pre-					
development volumes.					
30. Once the final technology alternative is selected, a					
detailed fire management and protection plan must be					The decided technology was Applicant 14 November 2023
compiled and submitted to the relevant Municipality for					communicated to the Authority.
consideration prior to undertaking any construction					

EA Condition	Co	mplia	nce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
activities.							
GENERAL CONDITIONS			I			1	1
31. A copy of this Environmental Authorisation, the audit							
and compliance monitoring reports, and the approved							
EMPr, must be made available for inspection and							
copying:					All the copies were in the environmental		
31.1 At the site of the authorised activity.					file and were made available during the	Applicant	14 November 20
31.2 To anyone on request; and					audit.		
31.3 Where the holder of the environmental							
authorisation has a website, on such publicly accessible							
website.							

Table 4: Compliance to the EMPr

EMPr Condition		ance		Responsible Person	Action Date
	C OF	NC NA			
General Construction Activities					
Environmental signage must be displayed on site including "no smoking," "fire hazards," etc.			Proper signage was available and properly displayed on site.	ECO	14 November 2023
2. Emergency numbers must be clearly displayed			Emergency numbers are clearly displayed but advise was made for a bigger font and paper to be used.	ECO	14 November 2023
Access fuel and other equipment stores must be strictly controlled			Access fuel and other equipment stores are strictly controlled. Example the stores' access always locked and the bowser is mostly kept empty on site. It was used during the testing using the generator.	ECO	14 November 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Poliance Recommendation/Comments		Action Date
4. The contractor must ensure that all employees, including sub-contractors and their employees, attend on-site Environmental Awareness Training prior to commencing work on site.		Training was conducted and attendance register made available during the audit. The last batch to be trained was on 13 ^h November 2023. attendance register was verified.	Contractor	14 November 2023
5. Follow-up Environmental Awareness Training must be conducted for new subcontractors or crews prior to commencing work or for specific activities that may potentially impact the environment, or if work is being undertaken in sensitive environments.		Not applicable, no work had a potential impact on environment conducted and there is no sensitive environmental area. See above evidence on 4 above.	Contractor/ ECO	14 November 2023
6. The contractor must maintain accurate records of any training undertaken.		Training Awareness records are kept and monitored on site. As was seen on item 4 above.	Contractor	14 November 2023
7. The appointed Contractor must do an initial alien plant clearance and three follow up clearances.		The condition was complied with.	Contractor/	14 November 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
8. Site clearing must be limited to only the area designated for the specified works.		Site clearance was only undertaken within the designated site area.	Contractor/ ECO	14 November 2023
9. Training must cover all areas of EMPr and procedures to be followed, the sensitivity of the site and importance of adhering to "no go areas"		Training is done on a weekly basis. Attendance register was provided.	ECO	14 November 2023
10. The ECO must monitor the contractor's compliance with the requirement to provide sufficient environmental awareness training to all site staff.		The attendance register of the latest training was evident as the tool box on 13 November 2023. No incidence observed on site, illustrates understanding of the conditions.	ECO	14 November 2023
11. "No-go" areas prior to earthworks commencing must be demarcated with danger tapes of protection for the duration of the construction phase.		The 'no-go' areas are clearly barricaded.	Contractor/ ECO	14 November 2023
12. No unauthorized entry, stockpiling, dumping or storage of equipment in "no-go" areas, or outside		Access to the site is controlled by a security guard at the gate. All activities are		14 November 2023

COMPLIANCE TO THE EMPR CONDITIONS					
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date	
the site boundary is permitted.		kept within the site boundary.			
Earthworks					
13. All construction activities, plant, labour, and materials must be restricted within the site boundary.		All construction activities and materials were kept within the site boundary.	Contractor/E	14 November 2023	
14. Demarcation must remain in place for the duration of the work on site		All areas that require demarcation were demarcated as required.	Contractor/E	14 November 2023	
15. The earthworks operation must be carried out by a suitably qualified contractor.		The qualifications of the Contractor were made available and submitted to the ECO earlier.	Contractor/ ECO	14 November 2023	
Storage, mixing, and disposal of cement and concrete					
16. No mixing of concrete or cement directly on the ground is permitted. The mixing of concrete must only be done on a mixing tray or on impermeable sheeting.		Concrete is mixed on an impermeable sheet separating cement from direct contact with the ground.	Contractor/ ECO	14 November 2023	

COMPLIANCE TO THE EMPR CONDITIONS					
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date	
17. Both used and unused cement bags must be stored in weatherproof containers so as not to be affected by rain or runoff.		The cement bags were stored in a weatherproof container.	Contractor/ ECO	14 November 2023	
18. Contaminated soil resulting from concrete or cement spills must be removed immediately after the spillage has occurred and placed on the appropriate rubble stockpile.		No spills were recorded on the day of the audit.	Contractor/ ECO	14 November 2023	
19. Clean storm-water must be kept away from areas where it could be contaminated and must be directed to the storm-water drainage system		Clean storm-water is kept away from areas where it could be contaminated and must be directed to the storm-water drainage system	Contractor	14 November 2023	
Soil Erosion					
20. Vegetation must not be removed unnecessarily		No vegetation was removed unnecessarily.	Contractor /ECO	14 November 2023	

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
21. All stockpiles must be covered with suitable material to prevent loss of sediment via wind/ water.		The topsoil for the construction was covered and complied with the condition.	Contractor/E	14 November 2023
22. Topsoil (top 300mm layer minimum) must be removed prior to the construction by earth moving equipment. Topsoil must be stored in heaps of not higher than 2m in a way that prevents damming. Stored topsoil must not be compacted.		The topsoil from the communication mast excavations was not isolated, heaped and closed.	Contractor /ECO	14 November 2023
23. Topsoil must not be used as fill material for backfilling of excavations on site.		Topsoil was not used as fill material for back-filling of excavations on site.	Contractor/E	14 November 2023
Ground water and Surface water pollution				
24. An adequate number of chemical toilets for the staff must be provided and serviced regularly. The positioning of the toilets must be authorized by the ECO.		Sufficient toilets were provided, and proof of service was provided. The contractor was advised to make comments on the receipts, and it was complied with.	Contractor	14 November 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
25. Spills that result in the contamination of ground and/or surface water must be reported immediately to the ECO.		There was no witnessed incidence during September audit.	Contractor	14 November 2023
Cleaning on-site				
26. A chemical spill kit must be always present onsite and once used it must be disposed of at a registered hazardous landfill site.		A chemical spill kit was present on site.	Contractor	14 November 2023
Generation of general and domestic waste				
27. Refuse bins must be provided for domestic waste (lunch litter) and placed in designated eating areas and any other areas were deemed necessary to control littering.		Sufficient waste bins were provided.	Contractor	14 November 2023
28. Refuse bins must not overflow and must be emptied regularly. No littering is permitted on site.		Refuse bins were well managed and emptied on frequently.	Contractor	14 November 2023
29. Building rubble must be kept separate from other construction waste.		Construction rubble was kept in a dedicated skip.	Contractor	14 November 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
30. All waste must be disposed of at approved landfill sites, no burning or burying is permitted.		Waste is being disposed of at the New England landfill site.	Contractor	14 November 2023
Visual Quality				
31. The site must be well maintained and neat.		The site is not well maintained given the lack of proper garden maintenance.	Contractor	14 November 2023
Public safety and health				
32. First aid kits must be available on site as well as an incident records file		The first aid kit was available on site during the audit session. No incident records were available on the day of the audit.	Contractor	14 November 2023
33. Interaction with objecting parties at the site must be well documented. A complaints register must be readily available on site. Interaction with external parties must be courteous.		No interaction with the objecting parties took place after the last audit. however the register is been kept.	Contractor	14 November 2023

5. PHOTOGRAPHIC EVIDENCE OF THE FINDINGS

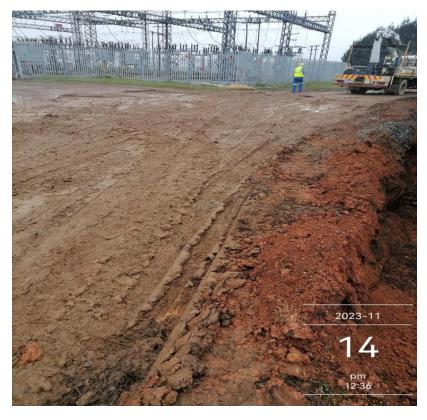


Figure 1: Muddy surface due to rain causing slippery concern



Figure 2: Precast walls securely installed around the BESS



Figure 3: Trenches without demarcation tapes



Figure 4: Topsoil not separated, heaped and covered as required



Figure 5: Unauthorized lay down storing of mast foundation material

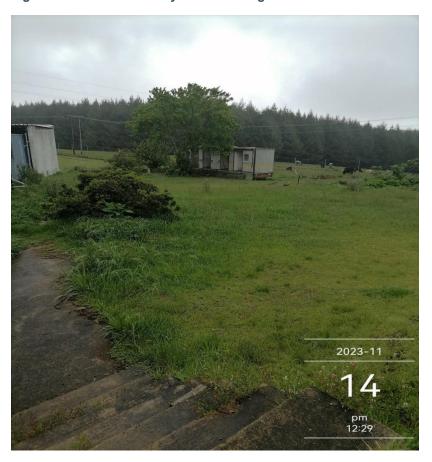


Figure 6: Evidence of lack of garden maintenance within the precinct



Figure 7: On site signage well placed and visible

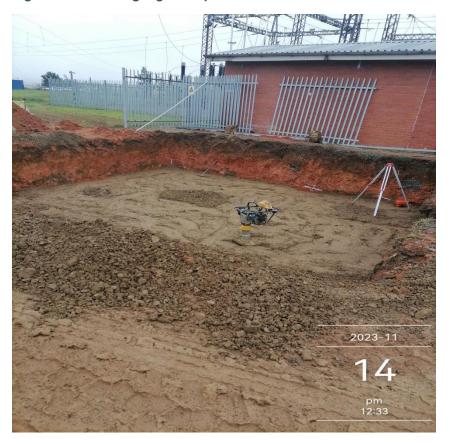


Figure 8: Communication Mast excavated pit not demarcated as required.



Figure 9: Garden Maintenance not carried out



Figure 10: Waste management bins clearly marked and secured



Figure 11: Muddy surfaces to be carefully observed



Figure 12: Precast walls fitted and installed

6. RECOMMENDATIONS

- The stock of precast wall material to be removed from the unauthorized lay down outside the precinct.
- Communication mast foundation material to be stored within the permitted lay down area.
- Work schedule plans and drawings for both the Communication Mast and the
 Perimeter Fence to be submitted to the ECO and Msunduzi Local Municipality.
- Garden landscape maintenance to be carried out at all times.
- The muddy road inside precinct to be carefully monitored for slippery due to rainy seasons.
- Eskom to meticulously resolve scope change regarding time and budget adjustment prior December 2023 audit.

7. PERCENTAGE COMPLIANCE STATUS

Percentage compliance status indicates that **compliance** is 93,7 % while **non-compliance** is 6.25% **not applicable** is 0 % and **opportunity for improvement** is 0 % for the month of November 2023.

Table 5: Rating compliance in percentages.

Rating	Description	Abbreviation	Number	%
Compliance	Fully Complying	С	61	93.7
Opportunity for Improvement	Complying to some conditions	OFI	0	0
Non-Compliance	Not Complying	NC	3	6.25
Not Applicable	Conditions that are not applicable	N/A	0	0
Total aspects EMPr and EIA conditions			64	100

8. CONCLUSION

The site was found to be in a satisfactory condition on the day of the audit, 14 November 2023. Both the contractor and the applicant have the responsibility to ensure that the identified non-compliance are rectified before the next audit. The next audit is expected to be prior mid of December given shortness of the month of December. Completion of construction was initially planned for the 4th November 2023. However, this target was not achieved. A new completion date will be determined. The commence of rehabilitation will be subject to the completion schedule.

9. APPENDICES

- 9 A Appendix A: Attendance register for the audit team 14th November 2023.
- 9 B 9 B Appendix C: Curriculum Vitae