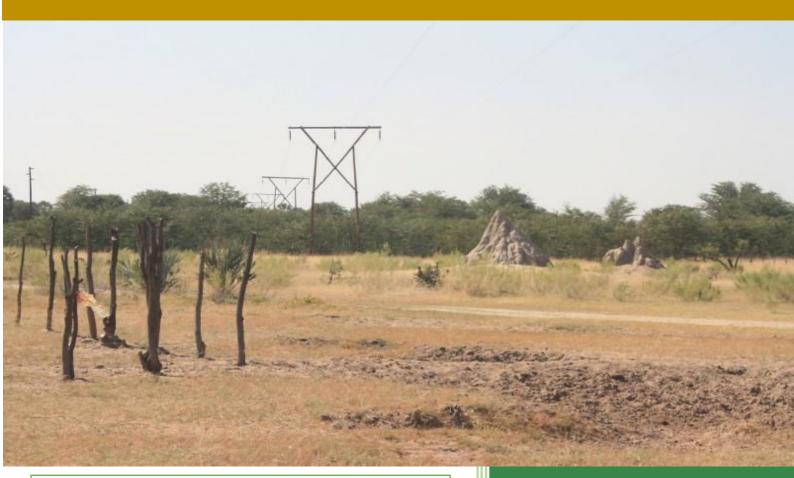
2022

A THE ENVIRONMENTAL MANAGEMENT PLAN FOR THE OPERATION AND MAINTENANCE OF AN EXISTING 66KV ETUNDA – BAOBAB TRANSMISSION POWERLINE IN OMUSATI REGION



THE DOCUMENT IS PREPARED BY NAMPOWER'S SHEW SECTION

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1 LIST OF TERMS, ACRONYMS AND ABBREVIATIONS

EAP Environmental Assessment Practitioner

ECC Environmental Clearance Certificate
EIA Environmental Impact Assessment

EMA Environmental Management Act no 7 of 2007

EMP Environmental Management Plan]
GIS Geographical Information System

HIV/AIDS Human immunodeficiency virus/ acquired immunodeficiency

syndrome

MEFT Ministry of Environment, Forest and Tourism

NHC National Heritage Council

SHE Safety, Health and Environment

SHEW Safety, Health, Environment and Wellness

kV Kilovolt

2 INTRODUCTION

In order to carry out its mandate of transmission and distribution of electricity, NamPower's has a transmission and distribution networks across all regions countrywide. The continuous operation of the transmission and distribution networks allow NamPower to provide uninterrupted supply of electricity to regions in order to improve the living conditions of Namibian citizens and to enable economic development. The 66kV Etunda – Baobab powerline is part of this network and transmit between Etunda and Baobab substations.

2.1 Project description

The 66kV Etunda-Baobab powerline transmits power through an overhead line system from Etunda substation to Baobab Substation in Outapi area. The 66kV Etunda – Baobab line is about 48 km in length. The 66kV Etunda-Baobab powerline with a wood kamerad structure was constructed in 1991.

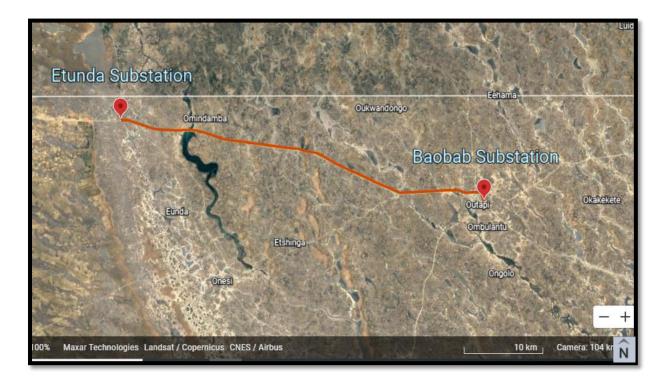


Figure 1: Locality map showing the 66kV Etunda – Baobab transmission line

2.2 General area description

The 66kV Etunda - Baobab power line falls within the vegetation type known as the Mopane Savannah or the two-vegetation types referred to as the Cuvelai Drainage and western Kalahari. The main ephemeral river draining the general area flows towards the west e.g. perennial kunene River (Ruacana area) and southwards e.g. ephemeral Cuvelai drainage system. The powerline passes through traditional farming and formal/informal homesteads dominated by the dominant tree/shrub species were Acacia nilotica (scented thorn) and Colophospermum mopane (mopane).

The line route is low-moderately vegetated in patches and have numerous anthropomorphic influences mainly associated with traditional farming practices (e.g. mahangu fields, kraals) rural/urban homesteads and businesses, borrow pit, tracks and roads, transmission lines. The route passes through five "hotspot" areas i.e. four areas classified as "high" sensitivity and one area classified as "medium" sensitivity i.e. potential medium and/or high biodiversity. In terms of environemental sensitivity, .5% of the route is classified as "high" sensitivity; 0.4% of the route is classified as "medium" sensitivity and 95.6% of the route as "low" sensitivity.



Figure 2. Pans or locally known as oshanas are viewed as the most important habitats along the route. Classified as high sensitive.



Figure 3. A borrow pit along the line and albeit an artificial habitat, it potentially could turn out to be important and hold water and consequently viewed as "medium" sensitivity.



Figure 4: Diospyros mespiliformis (jackal Berry) – one of the Protected species found along the line route

3 OBJECTIVES AND SCOPE OF THIS ENVIRONMENTAL MANAGEMENT PLAN (EMP)

The operation of the transmission line can have a negative impact on the receiving environment. However, the impacts are limited to the line servitude. It is thus important that good management measures be implemented to ensure that environmental damage is minimized. This Environmental Management Plan (EMP) seeks to manage and keep to a minimum the negative impacts associated with the transmission line and station and at the same time, enhance the positive and beneficial impacts.

The scope of this EMP include all activities associated with the operation of the transmission lines. It is necessary to highlight that the EMP is a living document that should be periodically reviewed and updated. It must also be noted that the EMP should be read in conjunction with laws and regulations outlined in section 5, Table 1 and all other applicable laws.

The aim of this EMP is to detail the mitigation measures to be implemented to ensure that any operational phase activity is carried out in a manner that takes cognizance of environmental protection and is in line with national legislation.

This EMP has the following objectives:

- To outline mitigation measures to be implemented during the operation phase, in order to manage and minimise the extent of environmental impacts.
- Minimise negative impacts and enhance positive impacts associated with the operations.
- To ensure that the operational activities do not result in undue or reasonably avoidable adverse environmental impacts, and ensure that any potential environmental benefits are enhanced.
- To identify key personnel who will be responsible for the implementation of the measures, outline functions and responsibilities.
- To propose mechanisms for monitoring compliance and preventing long term or permanent environmental degradation.
- To ensure that the concerns and complaints of Interested and Affected Parties (I&APs) with regards to the operational activities are addressed effectively and timely.
- Ensure compliance to legislative requirements.

4 POLICY AND LEGISLATIVE FRAMEWORK

Table 1 below outline the legislative requirements which are applicable to the operational activities.

		should apply for clearance.		
EMA Regulations GN 28-30 (GG 4878) (February 2012)	 Listed activity: 5.1 6 – 9; 13; 15; 21 -24 Any other applicable sections 	 This activity can be considered as electricity generation and transmission. These sections details the process to be followed in terms of producing an Environmental Assessment and this process should be adhered to during the generation of information for this document. 		
No. 156 Labour Act, 1992: Regulations relating to the health and safety of employees at work.	All applicable regulations	All regulations applicable to different activities must be complied to.		
Labour Act no 11 of 2007	 Section 3 Section 4 Section 9 Section 39 – 42 All other applicable sections 	 Children under the age of 16 may not be employed Forced labour may not be used. Basic conditions of employment as stipulated by the law must be met. The employer shall ensure the health and safety of all employees and non-employees on site. Employees must fulfil their duties in order to ensure their own health and safety and that of other employees and persons. Employees may leave the work site if reasonable measures to protect their health are not taken. 		
Electricity Act no 4 of 2007	Section 33	Installations used for the provision of electricity should be operated with due compliance with the requirements of laws relating to health, safety and environmental standards. Therefore – any company involved within the Electricity Supply		

Water Act no 54 of 1956	 Section 21 and 66 Section 23 All other sections applicable to different activities. 	Industry must adhere to the laws covering the previously stated aspects or stand to lose their licenses to operate. Conditions in terms of the disposal and management of effluent are to be adhered to. Any person causing pollution to a water source shall be guilty of an offence.
Public and Environmental Health Act no 1 of 2015	 Section 52 Section 53 All other sections applicable to different activities. 	 A person generating waste must ensure that the waste generated is kept and stored under conditions that causes no harm to human health or damage to the environment. Waste must only be disposed of at a waste disposal site, including an incinerator approved by the local authority concerned.
Water Resources Management Act no 24 of 2013	Section 89 All other sections applicable to different activities.	The owner or occupier or other person in control of land where an incident that causes or is likely to cause a water resource to be polluted must take all reasonable measures to contain and minimize the effects of the incident; and to clean up polluted areas and remedy the effects of the incident.
Hazardous Substances Ordinance 14 of 1974	Section 27All other sections applicable to different	To provide for the control of substances which may cause injury or ill-health to or death of human beings, by reason of their toxic,

	activities.	corrosive, irritant, strongly sensitizing or flammable nature or the generation of pressure thereby in certain circumstances; To provide for the division of such substances into groups in relation to the degree of danger; To provide for the prohibition and control of the importation, manufacture, sale, use, operation, application, modification, disposal or dumping of such substances; and To provide for matters connected therewith.
Fertilizers, farm feeds, agricultural remedies and stock remedies Act no 36 of 1947	 Definitions Section 7 Section 10 All other sections applicable to different activities. 	 Arborocide application is defined as an agricultural remedy under this Act Only registered pesticide may be used. May only buy herbicides in a container that complies with the prescribed requirements and is sealed and labelled. Only allowed to use herbicides in the prescribed manner. Land owners must be notified about applications, and the following information must be supplied: Purpose of administration Registered name and number of the product

The Nature Conservation Ordinance (1975) as amended through the Nature Conservation Amendment Act of 1996.	Chapter 11: Game Parks, Nature Reserves, Conservancies and Wildlife Councils	· ·
National Heritage Act No 27 of 2004	 Section: 46, 48, 55 All other sections applicable to different activities. 	 All heritage resources are to be identified and either protected or removed/mitigated with a permit from the National Monuments Council, before any development may take place A chance find procedure should be followed in case of discovery of a heritage resource.

5 ROLES AND RESPONSIBILITIES

It is the responsibility of NamPower and/or contractor to ensure that all the environmental management actions are carried out effectively and timeously. It is important to note that the successful implementation of the EMP is, however dependent on clearly defined roles and responsibilities by several stakeholders. Below are the key employees that are responsible for the management of environmental and social issues during the operational phase:

Table 2: The roles and responsibilities for operational activities:

Responsible person	Responsibilities
The Area Superintendent	Is responsible for the enforcement of the EMP

	 To ensure that environmental requirements are adequately covered in any external service provider contracts.
	 To ensure that SHE requirements are included in the tender documents sent to the contractors. A copy of this EMP should also form part of the tender documents.
	 To ensure that corrective actions are implemented for non- compliances.
	 To ensure that appropriate records and information regarding compliance with environmental requirements are maintained.
	 To ensure that the line remain in compliance with the requirements of this EMP, through regular communication and monitoring.
	 To ensure that all incidents, accidents and complaints are reported to the project manager. The contractor to ensure that incidents and accidents are investigated to prevent re- occurrence.
Project Manager	Is responsible for the enforcement of the EMP.
	 To ensure that SHE requirements are included in the tender documents sent to the contractors.
	 Must ensure that the contractor remains in compliance with the requirements of this EMP.
NamPower SHEW	To ensure that all requirements with regards to this EMP are fulfilled.
	 To assist the Project Manager in ensuring that the contractor remains in compliance with this EMP.
	 Communicate NamPower SHEW requirement to the contractors and NamPower employees.
	Provides SHEW inductions to NamPower and contractor

employees. Implement monitoring and conduct audits in consultation with the Project Manager. Document and communicate monitoring, audit and inspection findings to project manager and area superintendent. Communicate the final inspection report to the Project manager on contractor compliance to the EMP before the project close-off and final payment is made to the contractor. Contractor Is responsible for the implementation of the EMP To appoint as SHE officer responsible the implementation of this EMP. To ensure that all tasks undertaken under the scope of work, are in accordance both with NamPower's SHEW policies and procedures as well as to the requirements of this EMP. Ensure that employees are regularly trained and awareness built relating to environmental and social management. To ensure that all incidents, accidents and complaints are reported to the project manager. The contractor to ensure that incidents and accidents are investigated to prevent reoccurrence. Ensuring that all employees receive a SHEW induction before the start of the project. Ensuring that the work being done does not create a nuisance to any being working, residing or living on adjacent

properties or within the immediate surroundings of the site.

6 DESCRIPTION OF OPERATIONAL ACTIVITIES TO BE UNDERTAKEN AND ASSOCIATED IMPACTS

The table below outlines the summary of the operational activities and associated socioeconomic and environmental impacts.

Table 3: Description of the activities related to the operational activities.

Activity	Description	Associated potential impacts	
General functioning of the transmission line.	Physical presence and functional characteristics of the powerline.	 Animal (including birds) mortalities through collisions and electrocution. Visual impact. Community impacts in a form fatalities or injuries caused by electrocution. Meeting electricity demand (positive impact). 	
Maintenance of the line	 The maintenance of the line entails: General line components repairs. Construction or repairing of access roads. Repair or replacement of towers or tower components and others. 	 Soil and water contamination Waste generation leading to filling up of landfill space Loss of biodiversity Loss of sensitive habitats, flora and fauna. Social issues related to the introduction of new workers in the area, e.g. HIV/AIDS spreading Loss of human life (through electrocution) 	
Periodic inspections and monitoring	Replacement, cleaning and maintenance of station	Soil and ground water contamination as a result of oil	

	and line components.	 Soil contamination as a result of improper waste handling and disposal. Loss of biodiversity if existing access roads are not put to use.
Installation of Optic Fibre networks	 Design, Supply, Delivery, Installation and Commissioning of Optic Fiber networks for communication purposes. 	 Loss of biodiversity Soil contamination as a result of improper waste handling and disposal. Loss of sensitive plants and habitats.
Vegetation Management	 Removal of trees and bushes to maintain access to the line servitude. Removing weed from the substation yard. 	 Loss of biodiversity Conflict with stakeholders Loss of topsoil Soil and water contamination Loss or damage to heritage and cultural resources.

7 MANAGEMENT AND MITIGATION MEASURES

In order to ensure that the potential impacts are eliminated and/or minimised, it is necessary to ensure that the various activities related to the operation of the powerlines and station are adequately managed and monitored. Table 4 below outline mitigation measures as well as objectives to be achieved. A responsible person (s) have been assigned to each mitigation measure (s).

Table 4: Proposed mitigation measures for the general operational activities

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
Safety Health and Environmental (SHE) Awareness	 All employees should undergo SHE induction before work commences onsite. All employees are to be made aware of their individual roles and responsibilities in achieving compliance with the EMP. SHE toolbox talks to be conducted and records to kept onsite. 	Area superintendentProject managerContractor
Safety Management	 Develop and implement an occupational health and safety system that comprises key elements such as risk assessment and safe working procedures. All work activities to be done under the supervision of a competent person. Anti-climbing devices should be installed on transmission towers and be maintained. Appropriate warning signs must be placed on the facilities. 	Area superintendentProject managerContractor
Fire Management	 Eliminating the presence of potential sources of ignition and providing appropriate equipment to minimize fire risk. Fire extinguishers to be readily available onsite, especially when hot works are conducted. 	Area superintendentProject managerContractor

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
	Regular servicing of fire extinguishers.	
Air Quality	Dust generation from all activities must be minimised.	Area superintendent
	 Excavation, handling and transportation of erodible materials shall be avoided under high wind conditions or when a visible dust plume is present. Speed limit to be enforced to control dust emissions. Dust suppression measures shall be implemented when necessary. Vehicle, machinery and equipment shall be maintained in good working order 	Project managerContractor
	 in order to minimise exhaust fume emissions. Vehicle, machinery and equipment must be serviced by competent personnel and records must be kept onsite 	
Resources Efficiency	 Minimise water wastage and record water usage. Avoid wasteful use of materials. Source goods and services locally were possible 	Area superintendentProject managerContractor
Waste Management	Minimise the generation of waste by applying the waste hierarchy.	Area superintendent

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
	Line servitude to be kept free of waste.	Project manager
	 No burning, burying or dumping of any waste materials shall be permitted onsite. 	 Contractor
	 Labelled waste bins with lids must be provided at campsites (in case of camping) for all waste streams and ensure that waste is disposed at nearest approved waste disposal site. 	
	Ensure that waste segregation is done at source.	
	 Hazardous waste shall be disposed of at a registered hazardous waste disposal site. 	
	Safe disposal certificates for hazardous waste must be kept in the SHE file.	
	Concrete waste must not be dumped on site.	
	 Remove all equipment, materials and waste from sites after maintenance or project activities. 	
Wastewater	Water containing environmental pollutants shall be collected and removed	Project manager
management	from site.	 Contractor
	No waste water runoff or uncontrolled discharges from the site/working areas	

ASPECT	ECT MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	
	shall be permitted.	Area superintendent
	Mobile toilets or septic tanks should be used in remote areas.	
Hazardous Substances	The use, handling, storage and disposal of the hazardous chemical must be in accordance with the MSDS.	Area superintendent
		 Project manager
	 Containers must be clearly marked to indicate contents and quantities. 	 Contractor
	 Hazardous substances storage areas must be bunded. A bund should be able to contain 110% of the volume of the largest container stored within it. 	
	Ensure that drip trays are available for heavy vehicles when conducting maintenance or project activities in case of any spills.	
	Spill kit and absorbents must be available in vehicles.	
	All spills must be reported, cleaned and remediated to in compliance with SHEW requirements.	
Social Impact	NamPower/ Contractor must sign land permission form and agreement with land owners prior to commencement of work onsite.	Area Superintendent
	Employees should limit their contact with permanent residents of the area.	 Project Manager
	Employees should be properly educated about the impact of HIV / AIDS and	All NamPower

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	
	pregnancies.	employees
	 The use of intoxicating liquor or drugs of any kind by the employees is strictly prohibited. 	 Contractor
	Ensure that all queries and complaints are documented and dealt with.	
	A register shall be kept of all complaints from stakeholders.	
	All claims shall be handled immediately to ensure timely rectification.	
Archaeology	Should a heritage site or archaeological site be uncovered or discovered	Area superintendent
	during the operation phase, a "change find" procedure in appendix 4 should be applied.	Project Manager
	 Any chance finds must be reported to NamPower environmental section. 	• SHEW
	In an event of discovery of human remains or other artefacts the work shall	Contractor
	cease. A professional archaeologist is to be consulted and carry out investigation.	
Fauna and Flora	Ensure that the site is kept clean and free of rubbish that could potentially	Area superintendent
	attract animals and pests	 Project Manager
	 No harvesting of plants is allowed. 	

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
	Poaching or capturing of any animal (wild or domestic) is prohibited.	• SHEW
	 Bird nests may not be disturbed unless interfering with the normal operation of the line/station. 	 Contractor
	No domestic animals may be kept onsite site as they can introduce diseases or interbreed with the animals occurring naturally in the area.	
	 Vehicles driving along the lines should engage four wheel drive to prevent spinning and consequent impacts on soil surface. 	
	 Do not destroy, damage, collect any protected flora species that may be encountered during maintenance clearing of servitude operations; 	
	Minimise activity in/around pan habitats.	
	Only remove/prune flora directly affecting the transmission line;	
	 No chemical and mechanical clearing in pan habitats – rather manual clearing in these areas; 	
	Mechanical clearing, without chemical aftercare, in non-pan areas.	
	Existing tracks must be utilised.	

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
	 Do not drive through and/or damage pan (oshanas) systems Identify potential bird collision prone areas (i.e. habitats). Add bird flight diverters (BFD's) and anti-perching devices (APD's) to the transmission line at/along collision prone habitats. Monitor all bird mortalities encountered under the transmission line. All wildlife and electrical infrastructure interactions must be reported to the SHEW postion. 	
Water Resources	 SHEW section. Care must be taken to ensure that pollution of water does not occur. Naturally occurring water resources may not be used for any personal hygiene. Water may only be taken from a private or government property based on an agreement between the NamPower, contractor and custodian of the water source. 	Area superintendentProject ManagerSHEWContractor
Campsite Establishment	 NamPower/ Contractor must sign land permission form and agreement with land owners prior to commencement of work onsite. Adequate ablution facilities must be provided onsite in relation to the number 	Area superintendentProject ManagerSHEW

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	RESPONSIBLE PERSON
	 of employees. Ablution facilities must not be located within 100m of any river, stream channel, pan, dam or borehole Non-employees are not allowed to reside at the campsite. Fire extinguishers, first aid kits, assembly point, and emergency numbers must be available onsite. Waste must be managed in accordance with waste management requirements outlined in this EMP. 	• Contractor
Manual and Mechanical Vegetation Removal	 Obtain a permit from the Ministry of Environment, Forestry and Tourism to remove protected trees as per the Forest Act No. 12 of 2001. Measures must be put in place to avoid erosion especially at rivers, stream channel crossings, and at places where existing erosion scars and dongas are encountered to avoid any further erosion. The disturbed soil must be levelled. Rehabilitation should be conducted. Do not remove wood cut on site as this would affect the recycling of nutrients locally as well as lead to a potential industry in firewood targeting the better 	Area superintendentProject ManagerSHEWContractor

ASPECT	MANAGEMENT AND MITIGATION MEASURES/COMMITMENTS	
	quality tree species.	
	Where clearing is done near a river, the contractor/NamPower must ensure	
	that no felled bushes/branches/shrubs are left behind in the riverbed.	
	No burning of bush cleared materials is allowed onsite.	
	 Protected tree species, especially larger specimens, within the affected area i.e. 12m from centre line in either direction not expected to affect the transmission line could be avoided. 	
	Manual and mechanical vegetation removal should be done in accordance with NamPower procedures.	
	Eradicate all invasive alien species potentially associated with the line. This would indicate overall environmental commitment.	

8 REPORTING, MONONITORING AND AUDITING

The environmental monitoring, inspections and audits must be conducted in line with legislation, supporting procedures and requirements of this plan. Monitoring, inspection and audit reports detailing the monitoring and audit results shall be prepared by the SHEW section and communicated to the Area Manager, Superintendent and Project Manager.

9 NON-COMPLIANCE AND CONFLICT MANAGEMENT PROCEDURES

The Area Superintendent, Project manager and Contractor shall ensure that the employees and external service providers comply with the requirements outlined in this EMP. In the event of non-compliance the following recommended process shall be followed:

- Non compliances will be identified during inspections or audits carried out by the SHEW Section and reported to the Area manager, Superintendent and Project Manager for corrective actions.
- Area Superintendent / Project Manager shall notify the responsible stakeholders about the non-compliance.
- Corrective and preventative actions must be implemented on an agreed timeframes.
- Area Superintendent / Project Manager to report back on how the non-conformances have been rectified.
- Follow up inspections/audits shall be conducted to assess whether the corrective and preventative actions were implemented effectively.

The contractor shall notify NamPower of the following:

- Conflicts arising with any landowner / representative and other stakeholders.
- Any special conditions requested by a landowner / representative.

NamPower has the right to stop all contractor's activities if it is found that a gross violation of the EMP is taking place.

10 RECORD KEEPING

Record keeping is important for the effective functioning and implementation of an EMP. EMP documentation must be kept in both the hard copy and electronic format for safe keeping. These must include:

- Copy of the Environmental Clearance Certificate
- A copy of an EMP
- EMP implementation action plan
- Induction records
- Resource use records i.e. water and fuel consumption
- Audit and Inspection reports

11 CONCLUSION

All management measures and legal requirements outlined in this EMP should be implemented in order to ensure environmental compliance by all parties undertaking the operational activities. This will ensure that potential negative impacts are identified, avoided or mitigated and positive impacts are enhanced.

12 ANNEXURES

Annexure 1: Areas of importance, with protected species potentially affected, along the Etunda-Baobab 66kV transmission line.

[Direction: Etunda Substation north-eastwards towards the Baobab Substation area]

Hotspot areas	Distance (km)	Area	Important species	Common names	Status	Aliens	Other important features	Importance ranking
	0 to 8.4	Etunda SS	Hyphaene petersiana	Makalani	F, LC	Cryptostegia grandiflora		Low
1	8.4 to 8.7	Etunda SS	Hyphaene petersiana	Makalani	F, LC		Pan	High
	8.7 to 18.0	Etunda SS						Low
2	18.0 to 18.3	Etunda SS	Diospyros mespiliformis	Jackal berry	F, LC		Pan	High
	18.3 to 31.6	Etunda SS	Hyphaene petersiana Sclerocarya birrea	Makalani Marula	F, LC F			Low
3	31.6 to 32.0	Outapi area				Nicotiana glauca	Borrow pit	Medium
	32.0 to 34.8	Outapi area						Low
4	34.8 to 35.3	Outapi area					Pan	High
	35.3 to 38.6	Baobab SS						Low
5	38.6 to 39.2	Baobab SS					Pan	High
	39.2 to 46.3	Baobab SS	Adansonia digitata	Baobab				Low

Annexure 2: Monitoring checklist to ensure that line inspections and general maintenance activities were conducted in accordance with guidelines – i.e. ecological best practices.

Activity: Protection of Ecology & Vegetation		Compliance		
	Yes	No		
Track discipline				
Evidence of new tracks				
Evidence of off-road driving				
Evidence of turnaround violations				
Evidence of oil spills				
Evidence of waste				
Evidence of litter				
Illegal collection/damage of flora				
Evidence of illegal plant collection				
Evidence of vehicle damage to plants				
Evidence of unauthorised people/vehicles				
Erosion				
Evidence of erosion along route				
Invasive alien plants				
Evidence of invasive alien plants along route - New				
Evidence of invasive alien plants along route - Existing				
New species				
Any new plants encountered – i.e. not previously observed				
Domestic stock/pets				
Domestic stock and/or pets encountered along route (Relevant to Protected Areas only)				
Bird mortalities				
Record all dead birds encountered below the line				

Annexure 3: Landowner permission form



Landowner Permission Form



Landowner name:	Contact number:
Representative name:	
Farm name:	
Contractor:	
Representative name:	Contact number:
	General Notice
·	cractor entering a landowner's property to commence or maintenance of power-line structures and
The form must be completed by eithe	r the landowner or his / her legal representative on

Section A: Before activities commence

Activities to be undertaken on the property (completed by the contractor):

Signatures (prior to entry) Landowner/Representative Date		Contractor representation	- ve -
<u>-</u>	From:	-	То:
Dates when access is needed	<u>l:</u>		
Specific conditions to be met	on the property (a	s stipulated by the lando	wner):
Use of water resources Powerline erection Powerline refurbishment Trimming of vegetation Use of other infrastructure (please specify)		Camping Bush clearing Herbicide application Access road usage Rehabilitation	

Section B: Upon completion of work and prior to leaving the property

Remarks on compliance or misconduct (upon completion of activities):		
Issues still to be resolved upon comple	tion of activities:	
Signatures (upon completion)		
Landowner/Representative	Contractor representative	
Date	Date	

Annexure 4: Chance find procedure

Definition: The "chance finds" procedure covers the actions to be taken from the discovery of a heritage site or item, to its investigation and assessment by a trained archaeologist or other appropriately qualified person.

Compliance: The "chance finds" procedure is intended to ensure compliance with relevant provisions of the National Heritage Act (27 of 2004), especially Section 55 (4): "a person who discovers any archaeological object must as soon as practicable report the discovery to the Council". The procedure of reporting set out below must be observed so that heritage remains reported to the NHC are correctly identified in the field.

Procedure:

Action by person identifying archaeological or heritage material

- a) If operating machinery or equipment stop work
- b) Identify the site with flag tape
- c) Determine GPS position if possible
- d) Report findings to foreman

Action by foreman

- a) Report findings, site location and actions taken to superintendent
- b) Cease any works in immediate vicinity

Action by superintendent

- a) Visit site and determine whether work can proceed without damage to findings
- b) Determine and mark exclusion boundary
- c) Site location and details to be added to project GIS for field confirmation by archaeologist

Action by archaeologist

- a) Inspect site and confirm addition to project GIS
- b) Advise NHC and request written permission to remove findings from work area
- c) Recovery, packaging and labelling of findings for transfer to National Museum In the event of discovering human remains
- a) Actions as above
- b) Field inspection by archaeologist to confirm that remains are human
- c) Advise and liaise with NHC and Police
- d) Recovery of remains and removal to National Museum or National Forensic Laboratory, as directed