

ENVIRONMENTAL MANAGEMENT PLAN

for

THE PROPOSED CONSTRUCTION AND OPERATION OF A 13MW
MERCHANT SOLAR PHOTOVOLTAIC PLANT AT ONHUNO, HELAO
NAFIDI TOWNLANDS, OHANGWENA REGION



ENVIRONMENTAL MANAGEMENT PLAN (FINAL)

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FINAL VERSION

ECC APPLICATION: 005086



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Junior Baiano Industrial Consultants (JBIC) CC has been appointed by Sky View Energy (Pty) Ltd to conduct an Environmental Impact Assessment (EIA), develop an Environmental Management Plan (EMP), and apply for an Environmental Clearance Certificate for the proposed construction and operation of the 13 MW PV plant will be located in at Onhuno, Helao Nafidi Townland in Ohangwena Region; Namibia.

The proposed project is anticipated to have an impact on the socioeconomic and biophysical environment in and around the proposed project area, as mentioned in the scoping report. This section outlines the Environmental Management Plan (EMP) for the development's potential positive and negative effects.

Enhancing project benefits, reducing or mitigating negative consequences throughout the project phases, preventing long-term environmental damage, and, whenever possible, preventing negative impacts, are among the objectives of the EMP. The Environmental Management Plan (EMP) outlines environmental roles and responsibilities, potential impacts, as well as mitigation and monitoring strategies to be implemented to control any impacts.

1.2 EMP ADMINISTRATION

To guarantee that the EMP is completely implemented, it is imperative to explicitly define the roles and responsibilities of all stakeholders. To ensure the effective execution of the EMP, the proponent must additionally designate an accountable individual (project manager), as shown below.

Table 1-1: Roles and Responsibilities in EMP Implementation

ROLE	ENVIRONMENTAL RESPONSIBILITIES
SKY VIEW ENERGY (PTY) LTD	Responsible for enforcing EMP implementation to contractors
Environmental Control Officer	<ul style="list-style-type: none"> • Implement, review, and update the EMP. • Ensure all reporting and monitoring required under EMP is undertaken, documented, and distributed as needed • Conduct environmental site training (toolbox talks) and inductions with the support of an environmental consultant. • Conducts environmental audit at the work site with the support of an environmental consultant. • Close out all non-conformances. • Ensure materials being used on site are environmentally friendly and safe.

ROLE	ENVIRONMENTAL RESPONSIBILITIES
The Department of Environmental Affairs	<ul style="list-style-type: none"> • Approve the EMP and any amendments to the EMP. • Approve reports of environmental issues and non-conformances as issued. • Review and approve environmental reports submitted as part of EMP implementation
Environmental Consultant	<ul style="list-style-type: none"> • Conduct and monitor actions required by the EMP if required • Conduct environmental site training (toolbox talks) and inductions if assistance is required • Conducts environmental audit at work site • Ensure materials being used on site are environmentally friendly and safe.
Site Technical Team	<ul style="list-style-type: none"> • Control and monitor actions required by the EMP. • Report all environmental issues to the Environmental Control Officer. • Ensure documented procedures are followed and records kept on site. • Ensure any complaints are passed on to the management within 24 hours of receiving the complaint.
Workers	<ul style="list-style-type: none"> • Follow requirements as directed by site technical. • Report any potential environmental issues to the site engineer/project manager, indicating spilled oil, excess waste, excessive dust generation, dirty water running off the site, and other possible non-conformances

1.3 EMP Management Actions

The management actions aim to avoid potential impacts where possible. Where impacts cannot be avoided, management actions are outlined in order to minimize the significant impacts.

The tables below outline the specific management actions that need to be undertaken during the construction and operational phase of the development to ensure that the site activities are compliant.

1.4 CONSTRUCTION AND OPERATIONAL PHASE MANAGEMENT ACTIONS

The table below outlines the management actions to be undertaken during the construction and operation phase of the project to ensure compliance with the EMP.

Table 1-2: Construction and Operation EMP

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
Noise pollution	Noise will be generated through: <ul style="list-style-type: none"> • Construction of buildings • Moving vehicles. • Installation of PV panel stands 	<ul style="list-style-type: none"> • The health of working personnel could be disturbed e.g., noise hearing loss. • Community residents could be disturbed by the noise. • General annoyance • Driving away local animal species near the project site 	Environmental	Construction phase	<ul style="list-style-type: none"> • Environmental Control Officer • Site Manager 	<ul style="list-style-type: none"> • A construction interval will be established, used, and adhered to. • Workers will be issued earplugs to protect them from excessive noise. • The public will be notified through a printed timetable stating planned operational activities. • Construction activities will be conducted during the daytime. 	Construction & Operation

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Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<ul style="list-style-type: none"> • Site notices will be erected on, and around the site- notifying visitors, and nearby residents of different hazards on site. • No-go areas marked as sensitive environments, especially for birds need to be avoided during construction and operation. 	
Dust Generation	Dust will accumulate because of the land preparation, onsite movements of vehicles and	<ul style="list-style-type: none"> • This can lead to respiratory illnesses, especially for those working in the area. • General air pollution. 	Environmental	Construction phase	<ul style="list-style-type: none"> • Environmental Control Officer • Project Manager 	<ul style="list-style-type: none"> • Dust suppression will be done through watering dust source surfaces. • Transmission pole sites can be wet 	Construction & Operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	machines, wind blowing on loose material during construction, and tipping.	<ul style="list-style-type: none"> • Nuisance to nearby residents • The process can also drive away wild animals within the project area's surroundings 				drilled and minimize dust generation. <ul style="list-style-type: none"> • Watering down dusty surfaces, • Ensure that protective equipment such as respirators are distributed to employees and ensure their use. • Site notices are to be erected on and around the site to inform visitors and surrounding residents. 	
Loss of Biodiversity	<ul style="list-style-type: none"> • Vegetative plants on site will be removed 	<ul style="list-style-type: none"> • The clearing of vegetation will result in the breaking of the ecosystem 	Environmental	Construction phase	<ul style="list-style-type: none"> • Environmental Control Officer • Site Manager 	<ul style="list-style-type: none"> • All the major trees will be preserved, and the layout plan will fit into the 	Construction

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	<ul style="list-style-type: none"> • Habitat destruction for both ground-dwelling species and tree-dwelling species. • Soil disturbance on and around the site. 	<ul style="list-style-type: none"> processes in the area. • Loss of aesthetic value of the proposed project area. • The few small animals still inhabiting the place such as small rodents and birds will be forced away. • The ecosystem food chain on and around the area will be broken. 				<ul style="list-style-type: none"> environment without affecting the trees. • The ground disturbance will only be limited to the boundary area to avoid affecting a large area. • Upon completion of construction activities, more vegetation will be planted on and around the site to restore the site to a status that is environmentally friendly. • When necessary, a permit must be obtained from the 	

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Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						Directorate of Forestry before removing a major tree species • Any identified protected species must not be removed, and they must be clearly marked, and such areas fenced off. • Utilize existing tracks and roads where possible. • During vegetation clearing avoid killing and/or hunting of animals.	
Avian Impacts	Avifauna electrocution or hitting on	• High fatalities of avifauna in the project environment	Environmental Infrastructure	Project lifetime	Environmental Control Officer	• Use aircraft warning spheres across	Operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	electrical infrastructure	<ul style="list-style-type: none"> Birds may affect electrical infrastructure by nesting construction on powerline. 				<ul style="list-style-type: none"> deep valleys in forested areas Investigate the implementation of warning spheres in areas where pilots have recommended them. Bird diverters will be installed on the electrical infrastructure in the event that the infrastructure is reconnected, or if the static wire or aviation markers are replaced. BDs will be spaced between the aerial marker balls to 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						increase the visibility of the shield wire. • If available, light-emitting BDs will be installed to improve low-light visibility	
Greenhouse gas emissions	Green House Gasses (GHGs) emissions will be produced from the following activities: • Fuels combustion for transport (construction vehicles and equipment) • Ground excavation releases	• Global climate change • Air pollution	Environmental	Project lifetime	• Environmental Control Officer • Project Manager • Department of Environmental Affairs.	• Adopt the use of ethanol-blended fuels wherever necessary. • Design an operation system that cuts fuel consumption. • Use of solar energy system during construction for lighting and other minor energy needs.	Construction & Operation

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Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	phosphorus found underground and releases particulate matter into the atmosphere.						
Waste Generation	Construction and operations are associated with a lot of raw material and activities that results in pollution	<ul style="list-style-type: none"> • Chemical pollution from oil spills resulting from the handling of various machinery used during the construction phase • Construction rubble, empty packaging containers/bags, and materials remnants. • Construction workers can also 	Environmental	Project lifetime	<ul style="list-style-type: none"> • Environmental Control Officer • Project Manager 	<ul style="list-style-type: none"> • Ensure that all waste from construction activities is stored and contained in designated containers and disposed of appropriately. • Bulky waste such as building rubbles must be collected and disposed of for landfilling. 	Construction & Operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
		<p>pollute the surrounding environs if they are not provided with adequate toilet facilities and a waste management system for domestic waste.</p>				<ul style="list-style-type: none"> • Hazardous waste storage bin will be on site and an independent hazardous waste transporting company will be contracted to collect the hazardous waste storage bin whenever it is full. • Visual inspections monitoring • All waste will be managed by the proponent and the developer will ensure that domestic waste handling facilities such as labelled 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						dustbins will be available. • Waste separation will be provided to allow for the recycling of recyclable materials i.e. glass, hazardous waste, paper, and bio-degradable waste.	
Hydrocarbons release into the environment	There will be no storage of oils and fuel on site, however, there is a risk of spillage of hydrocarbons from vehicles and machinery operations, maintenance	<ul style="list-style-type: none"> • Washing away of contaminated soils by rains into nearby rivers • Pollution of soil and affecting small living organisms habituating the soil • Resulting in possible 	Environmental	Project lifetime	<ul style="list-style-type: none"> • Environmental Control Officer • Project Manager • Department of Environmental Affairs. 	<ul style="list-style-type: none"> • Implement a maintenance programme to ensure all vehicles, machinery, and equipment are and remain in proper working order • Vehicle maintenance should 	Construction & Operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	<p>through leakages and spillages which may result in environmental contamination</p>	<p>groundwater pollution.</p> <ul style="list-style-type: none"> • Possible fire risk on and around the site 				<p>be conducted in designated areas only, preferably off-site.</p> <ul style="list-style-type: none"> • If maintenance is to be conducted on-site, these areas should be designed to contain spillages i.e. maintenance site must be bunded and paved and the use of chemicals must be controlled. • Spillage contaminants are to be removed from a site by a specialist waste removal contractor such as rent a drum. 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<ul style="list-style-type: none"> • Waste oil, fuels and other chemicals from drip trays on stationery vehicles and machinery will be disposed of as hazardous waste at a licensed facility by a specialist hazardous waste handler. • Oil residue will be treated with oil absorbent material such as Drizit or bioremediation and removed to an approved waste disposal site • Spill kits will be easily accessible 	

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Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<p>and workers will be trained in the use thereof.</p> <ul style="list-style-type: none"> • Staff and contractors will be trained in the handling and storage of oils, fuels, chemicals and other hazardous substances • No bins containing organic solvents such as paint and thinners shall be cleaned on site, unless containers for liquid waste disposal are provided on site. 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
Safety and Health risks	Construction related Safety and Health hazards	<ul style="list-style-type: none"> Injuries to workers such as Occupational dermatitis, slips and fall of humans and objects, musculoskeletal disorders, etc. 	Health and safety	Construction phase	HSE Officer	<ul style="list-style-type: none"> Equip workers with Personal Protective Equipment (PPE), provide trainings on how to effectively use the PPE. Provide platforms for briefings and meetings about possible safety and health hazards in the workplace. Provide site signs warning and informing about different hazards on site. 	Construction
	Electrical hazards	Fatalities and fires	Health and safety	Project lifetime	HSE Officer	<ul style="list-style-type: none"> Employees should be trained on electrical safety 	Construction and Operation

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Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						before working on site. • Safety representative with training on electrical hazards emergency management should be station on site always. • Safety signs during construction and operation should be put on-site, no-go areas should be labelled, PPE specifications should be clear to maintenance personnel.	
Population Influx	The project will bring in skilled	• There is potential for cultural systems	Socio-economic	Project lifetime	• Environmental Control Officer	• Train and brief employees to	Construction and Operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	and unskilled workforce into the area.	<p>conflict between locals and new people in the area</p> <ul style="list-style-type: none"> • Potential for rife prostitution and spread of HIV/AIDS and other STDs 			<ul style="list-style-type: none"> • Project Manger 	<p>respect local cultures and leaders,</p> <ul style="list-style-type: none"> • Engage on massive sexual health training and awareness and providing contraceptives such as condoms, as well as provide means counselling for those that are affected by HIV/AIDS and other STDs 	
Land use change	The existing environment will drastically change from a dormant piece of	<ul style="list-style-type: none"> • The area will no longer be suitable for agriculture. • Sudden change in landscape appearances may 	<ul style="list-style-type: none"> • Social • Terrestrial environment 	Project lifetime	<ul style="list-style-type: none"> • Environmental Control Officer • Project Manger 	<ul style="list-style-type: none"> • The development should blend into the existing area through designing and colour coding. 	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	land to a PV plant.	be unfavourable to the conservatives.				<ul style="list-style-type: none"> Green designing will bring life to the site and blend with surrounding areas. 	
Resources consumption	The construction industry can be resource intensive, i.e. water resources.	The project can result in a strain on available water resources, however also generating clean energy/electricity.	Socio-economic	Project lifetime	<ul style="list-style-type: none"> Environmental Control Officer Project Manger 	Water saving should be ensured by the site manager i.e. repairing leakages, opening taps only when water is required and recycling of water on site.	Construction and operation
Movement of vehicles within the site and along main road	Traffic and road safety	<ul style="list-style-type: none"> Road Accidents Damage to roads 	<ul style="list-style-type: none"> Safety Socio-economic 	Project lifetime	<ul style="list-style-type: none"> Environmental Control Officer Project Manger 	<ul style="list-style-type: none"> Traffic signs and symbols should be used at all necessary points along the roads. Schedule construction work to allow for the movement of 	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						material and heavy equipment. • Arrange for parking and storage of material onsite where feasible. • Schedule vehicle movement to minimize disruption to traffic flow along the main and access roads. • Make provision for handling peak traffic flows. • Identify traffic hazards and mitigate them • All drivers should be competent and with	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						defensive driving certificates. • Make use of road worthy vehicles. • Ensure that all traffic safety measures are put in place. • Raise safety awareness in the communities • Carry periodic road maintenance work.	
Infrastructure (e.g. Power lines, highway) that run close to the project site	Disruption of socio-economic activities of the surrounding local land users	<ul style="list-style-type: none"> • Failure in service provision e.g. electrical power supply failure; • Encroachment into infrastructure (e.g. road, powerlines) servitudes 	Socio-economic	Project lifetime	<ul style="list-style-type: none"> • Environmental Control Officer • Project Manger 	<ul style="list-style-type: none"> • Consultation with relevant authorities and departments for best possible actions to take. • Do not extend operations to areas close to the infrastructure until 	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						everyone affected is involved. • Mapping of all infrastructure and establishment of appropriate servitudes • Do a risk assessment for the site and manage the risks	
Illegal settlement close to the project site	There is an illegal settlements close to the project site which may be affected by project activities	<ul style="list-style-type: none"> Impact to livelihoods of illegal settlers 	Social	Project lifetime	<ul style="list-style-type: none"> Site Engineer ECO 	Ensure appropriate consultation will be made with local community leadership and relevant authorities on best course of action regarding illegal settlement.	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
Flooding and Storm Water	<ul style="list-style-type: none"> The area is prone to flooding 	<ul style="list-style-type: none"> Property damage, Loss of agricultural crop/produce Injury/death of animals Human injury/loss of life 	Environmental	Project lifetime	<ul style="list-style-type: none"> Site Engineer ECO 	<ul style="list-style-type: none"> Standard storm water drainage will be part of the water reticulation designs indicating the storm water deposit areas. During construction all access tracks and the compound area will be constructed using permeable granular materials. Vehicular movements will be restricted to the access tracks and designated areas where possible to avoid or limit soil compaction, which 	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<p>could have a detrimental impact on infiltration rates.</p> <ul style="list-style-type: none"> • The ground conditions are sandy hence the use of vehicles on-site is unlikely to create muddy conditions, which may in-turn increase suspended solids levels in surface water run-off. • All run-off is likely to dissipate naturally to ground, however standard storm drains are going to be installed around the project area to 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<p>avoid water flowing into nearby properties.</p> <ul style="list-style-type: none"> • During operation the following design features will reduce the risks from surface water run-off from solar panels by • promoting dispersion and infiltration: • The gap between panels will be sufficient (typically 20 mm) to allow drainage to ground rather than onto adjacent panels. • The ground surface around and between 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						<p>the frames will be maintained as grass to ensure that bare soil areas are minimised.</p> <ul style="list-style-type: none"> • The vegetated gap between rows of frames will be of greater width than that of each row of solar panels. • Groundcover vegetation will be maintained in good condition in those areas receiving runoff from solar panels. • The surface gradient is generally less than 10% across the 	

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
						site and therefore run-off is expected to remain dispersed and unlikely to form channels. • Broad grass strips around the edge of the array will also act to impede drainage of surface water to field margins.	
Positive Impacts							
Employment creation	The development provides an opportunity of outsourcing work	Improves disposable income to those employed and their immediate families.	Socio-economic	Project lifetime	Project Manger	Work with local leadership (councillor) on acquiring non-skilled labour from the residents.	Construction and operation
Business linkages	Raw materials acquiring and contracting	• Local suppliers will be presented with an opportunity to	Socio-economic	Project lifetime	Project Manger	The proponent will outsource most of its materials and services	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
	companies provide an opportunity for businesses.	empower their businesses. <ul style="list-style-type: none"> Construction workers can be provided with accommodation, food and services from the local community increasing business activities. 				from the local community and nearby towns.	
Infrastructure development	The development presents a unique opportunity for infrastructure development	<ul style="list-style-type: none"> Existing roads will be upgraded which will benefit the local community. Development of the facilities will also pave way for future developers to grow interests in the area and result in ripple 	Socio-economic	Project lifetime	Project manager	Development such as road upgrading will not only be limited up until the project site, but it will be extended to service other the connecting roads when there is need.	Construction and operation

Impact	Description	Effects	Class	Time frame	Responsibility	Action	Phase
		effects and quick growing of the area.					
Climate smart energy	The project is towards clean energy production and is highly beneficial to the country and the continent at large.	Alternative clean energy generation	<ul style="list-style-type: none"> • Socio-economic • Environmental 	Operation phase	Project manager	It is recommended that the project once it takes off, a second phase development be implemented in order to expand operations.	Operation

1.5 ENVIRONMENTAL MONITORING PLAN

Monitoring is very important for identifying the success of mitigation measures formulated for the significant impacts identified. Monitoring of activities will identify impacts that have not been foreseen and give enough time to analyse the situation and formulate measures to minimise impacts. Survey records and results must be maintained for these monitoring and inspections, highlighting any problems and the measures taken to address it.

Prior to site preparation and construction activities, the main contractor should present an environmental monitoring plan (including, *inter alia*, location of construction camp and toilet facilities, location of material storage areas, solid waste management plan, dust control measures, activity schedule, etc.) for review and approval by the DEA, the environmental control officer and the project manager. The developer should present a landscape plan and the trees/vegetation earmarked for protection should be flagged and hoarded by the contractor.

The entity selected to carry out environmental monitoring of the construction works should then prepare an environmental monitoring programme based on the above, the requirements of the EIA, and conditions of the development permit. The major elements of the environmental impact monitoring programme to be implemented during the all the project phases of the project are as follows:

- Site clearance to ensure that trees marked for protection are left untouched and that large areas of soil are not left exposed and uncovered for extended periods of time.
- Site drainage and surface runoff, especially during and shortly after major rainfall events, to ensure there is no flooding, ponding and runoff of surface water
Compliance of construction works with site management and landscape plans.
- Ensure transportation of earth materials is done by covered trucks and from approved sites.
- The contractor must immediately and completely clean up spills of materials in public areas.
- Solid waste disposal practices to ensure appropriate on-site management and final disposal at approved dump.
- Electrical safety training and signage is highly recommended and important for this development, thus high priority should be placed on electrical safety.
- **An ECO should be contracted to conduct quarterly reports before the triennial renewal period.**

2 CONCLUSION AND RECOMMENDATIONS

The Environmental Impact Assessment process for the proposed construction and operation of the 13 MW PV plant will be located in at Onhuno, Helao Nafidi Townland in Ohangwena Region; Namibia was conducted in accordance with the Environmental Management Act 2007 and EMA Regulation 2012. Further consideration was given to relevant legislation throughout the entire process to ensure a successful assessment process.

Impacts likely to occur during project phases (construction and operation) were assessed depicting a positive outlook despite limited details of the magnitude of the proposed development. Based on the assessment, the overall project is less damaging to the environment demonstrating climate change mitigation, improved economic development, high job creation opportunities and community development. Impacts with negative effects were also identified and summarized in a form of environmental management plan to ensure sustainable implementation.

The site has access to services such as water infrastructure and roads for accessibility. It is important that the proponent observe and maintain accountability to both socio-economic and environmental sensitive activities from the project, such that the project is harmonized with policy, regulations, administrative frameworks and social interface with the public as proposed in the environmental management plan. Failure to observe these measures will significantly affect the local environment and lead to non-compliance. Therefore, implementation environmental protection measures should be executed in consultation with the key stakeholders.

JBIC cc hereby recommends that MET: DEA grant the Environmental Clearance Certificate of the 13 MW PV plant will be located in at Onhuno, Helao Nafidi Townland in Ohangwena Region, Namibia, under the condition of full implementation of the project's EMP.

APPENDIX 1: CHANCE FINDS PROCEDURE (AFTER KINAHAN, 2020)

Areas of proposed development activity are subject to heritage survey and assessment at the planning stage. These surveys are based on surface indications alone, and it is therefore possible that sites or items of heritage significance will be found during development work. The procedure set out here covers the reporting and management of such finds.

Scope: 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 Objectmust 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.

Responsibility:

Operator: To exercise due caution if archaeological remains are found.

Foreman: To secure site and advise management timeously.

Superintendent: To determine safe working boundary and request inspection.

Archaeologist: To inspect, identify, advice management, and recover remains.

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 an 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.

The competent authorities' contact details to report archaeological sites or objects (Exploration Manager and contractor) are as follows:

- National Heritage Council (NHC) of Namibia (061 244 375) or direct contact with the Regional Heritage Officers at the NHC 061 301 903
- National Museum (+264 61 276800),
- National Forensic Laboratory (+264 61 240461).