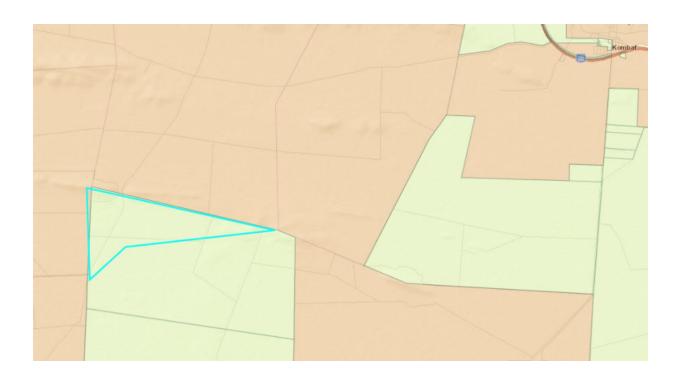


# **Application No: APP-000863**

Application For The RENEWAL Of Environmental Clearance Certificate For Exclusive Prospecting License Number 5234 Between Otavi And Kombat Area, Otjozondjupa Region



CONSULTANT:

Mr. Ipeinge Mundjulu (BSC, MSc) Red-Dune Consulting CC P O Box 27623 Windhoek

Cell: +264 81 147 7889

PROPONENT Huab Energy P O Box 5 Kombat



# DOCUMENT INFORMATION

DOCUMENT STATUS	Final	
APPLICATION NO:	APP-000863	
PROJECT TITLE	RENEWAL of Environmental Clearance	
	Certificate for Exclusive Prospecting License	
	Number 5234	
CLIENT	Huab Energy Pty Ltd	
PROJECT CONSULTANT	Mr. Ipeinge Mundjulu	
LOCATION	Between Otavi and Kombat, Otjozondjupa	
	Region	
DATE	25 January 2023	

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#### **ACRONYMS**

**DEA** Department of Environmental Affairs

**EA** Environmental Assessment

**EAP** Environmental Assessment Practitioner

**EC** Environmental Commissioner

**ECC** Environmental Clearance Certificate

**ECO** Environmental Compliance Officer

EIA Environmental Impact Assessment

**EMA** Environmental Management Act (No. 7 of 2007)

**EMP** Environmental Management Plan

**EPL** Exclusive Prospecting License

**MEFT** Ministry of Environment Forestry and Tourism

**PPE** Personal Protective Equipment

**RC** Reverse Circulation

**RD** Red-Dune Consulting CC

SM Site Manager

**TORs** Terms of Reference

### **EXECUTIVE SUMMARY**

Huab Energy (Pty) Ltd is a holder of the Exclusive Prospecting: License (EPL) 5234. The company was initially issued with an ECC in 2022 and undertook only undertook desktop studies during the period of 2020-2021. In 2022, Geochemical Soil Sampling was undertaken where soil samples were collected from farm Devon North. From a 100 x 50m grid. The soil collected from pits dug to approximate 30cm depths which were backfilled immediately.

Currently the ECC is due to expire in April 2023, henceforth the company is hereby applying for the renewal of the ECC. The review of this EMP recommends to the approving authority for the ECC to be renewed.

### 1. Overview

This Environmental Management Plan (EMP) is updated resultant of the expirely of the ECC that was initially issued for EPL 5234 in April 2023.

## 2. Purpose of the EMP

This Environmental Management Plan (EMP) is a risk strategy that contains logical framework, monitoring programme, mitigation measures, and management control strategies to minimize environmental impacts. It further stipulates the roles and responsibility of persons involved in the project. These strategies are developed to reduce the levels of impacts for the projects

## 3. Compliance to the EMP

This EMP is a legally binding document as given under the provisions of the Environmental Management Act, 2007 (Act No. 7 of 2007). Huab Energy Pty Ltd and its contractors must adhere to the framework of this document

## 4. Roles and Responsibility

## 4.1. Proponent

The proponent. Huab Energy Pty Ltd shall take overall responsibility for proper implementation of the EMP. It remains the responsibility of the proponent to appoint key personnel for the implementation of the EMP such as Site Manager and ensure that all employees and contractors are conversant with the EMP.

## 4.2. Site Manager

The Site Manager (SM) represents the proponent on site. He/she shall be responsible for daily activities in ensuring environmental protection. All communication with regard to the implementation of EMP must be channelled through the SM

## 4.3. Employees

It shall be responsibility of employees to adhere to the provision of EMP at all times when on site

## 4.4. Environmental Compliance Officer

Compliance to EMP is enforced by the environmental inspector as provided for under Environmental Management Act (No. 7 of 2007) (EMA)

## 5. Disciplinary Action

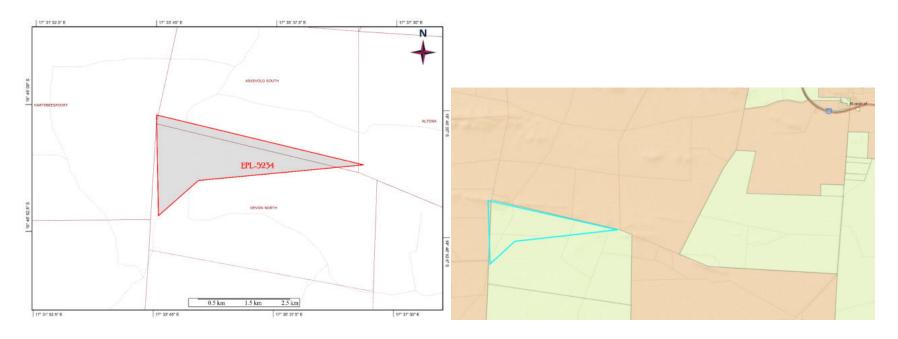
This EMP is a legally binding document, non-compliance to the EMP is punishable in accordance to the provision of EMA

# 6. EPL Location

The EPL is located at between Otavi and Kombat in Otjozondjupa Region Figure 1 and table 2 shows the EPL coordinates points (-19.769952, 17.613091).

Table 1. GPS Coordinates for EPL 5234

Order	Lat Deg	Lat Min	Lat Sec		Long Deg	Long Min	Long Sec	
1	- 19	45	7.81	S	17	33	45.80	E
2	- 19	45	49.19	S	17	37	0.37	E
3	- 19	46	37.16	S	17	33	48.96	E



**Figure 1.** Location of EPL 5234

## 6.1. Site description

It measures 773.08 ha and covers farm Harte Bee Spoort, Askevold South and Devon North.

## 7. Exploration Activities 2020-2022

### 7.1. Period 2020-2021

The company was first issued with an ECC in April 2020. During the 2020-2021 period, the company undertook **data review** using **desktop study** assessment of historical geochemical and geophysical data, as well as review of geology reports and maps,

### 7.2. Period 2022

Geochemical Soil Sampling was undertaken where 447 soil samples were collected from farm Devon North. The samples were collected from a 100 x 50m grid. The soil were collected from pits dug to approximate 30cm depths which were backfilled immediately (Fig 3).



Figure 2. Soil samples at Kombat South



Figure 3. Back filled Soil Sample

# 8. Policy, Legal and Administrative Framework

 Table 2. Regulatory framework applicable to the project

Legislation	Summary	Applicability to Assessment
The Namibian	The State shall actively promote and maintain the welfare of the	Protection of the environment and biodiversity.
Constitution	people by adopting policies aimed at The maintenance of	Ensures that these principles are enshrined in
	ecosystems, essential ecological processes and biological	the EIA documentation
	diversity of Namibia and utilization of living natural resources on	
	a sustainable basis for the benefit of all Namibians, both present	
	and future	
Environmental	To promote sustainable management of the environment and the	The Act provides a list of activities that may not
Management Act No. 7 of	use of natural resources and to provides for a process of	be undertake without an environmental
2007	assessment and control of activities which may have significant	clearance certificate to prevent environmental
	effects on the environment; and to provide for incidental matters	damages.
Mineral Resource Act,	Prospecting and Mining of Mineral in Namibia and Issuance of	Issuance of Mining permits
Act 1992.	all Permits.	
<b>Draft Pollution Control</b>	This Bill serves to regulate and prevent the discharge of pollutants	To protect the Environment from possible
and Waste Management	to air and water as well as providing for general waste	hydrocarbons and oil leaks from the machinery,
Bill	management.	trucks and vehicles.

Legislation	Summary	Applicability to Assessment
<b>Environmental Policy</b>	This policy subjects all developments and project to	Consideration of all possible impacts and
framework (1995)	environmental assessment and provides guideline for the	incorporate them in the development stages
	Environmental Assessment.	
Regulations Related to	Promotes the Safety and Health of employees at the work place	To ensure employees health and safety at work
the Health and Safety of		
<b>Employees at Work. Reg</b>		
No. 156		
Public Health Act No. 36	To Protect the public from nuisance and states that no person shall	To ensure that the project is not a nuisance to
of 1919	cause a nuisance or shall suffer to exist on any land or premises	land owners and the public at large
	owned or occupied by him or of which he is in charge any	
	nuisance or other condition liable to be injurious or dangerous to	
	health.	
Labour Act No. 11 of	This Act outlines the labour laws which encompass protection and	Fair labour practises to be observed with regard
2007	safety of employees at work.	to this act
Water Act No, 54 of 1956	All water resources belong to the State. It prevents pollution and	Prevention of discharging contaminated water
	promotes the sustainable utilization of the resource	at unauthorised places
Soil Conservation Act	To promotes the conservation and compacting of soil erosion	Uncontrolled movement of heavy vehicles and
No. 76 of 1969		truck at areas surrounding the site may cause
		land degradation

Legislation	Summary	Applicability to Assessment
Water Resource	The Act stipulates the prevention of pollution for Surface and	Oil spillage coming from machinery requires
Management Act No.11	Ground water sources.	proper monitoring.
of 2011		
Public Health Act no. 36	The Act gives provision for the protection for the health of all	The noise and dust level emanating from the
of 1919	people.	project could affect the surrounding community
		and vegetation in the vicinity.
National Heritage Act	The Act gives provision of the protection and conservation of	The chance find of Human Remains due to
No.27 of 2004	places and objects with heritage significance.	colonial history or crime, Artefacts, and or
		heritage materials within the EPL
Minerals (Prospecting	Section 50 (i) requires "an environmental impact assessment	The proposed activity is prospecting for
and Mining) Act No 33 of	indicating the extent of any pollution of the environment before	minerals, hence it requires an EIA to be carried
1992	any prospecting operations or mining operations are being carried	out and adhere to the act's provisions.
	out and an estimate of any pollution, if any, likely to be caused by	
	such prospecting operations or mining operations"	

# 9. The EMP table

Environmental /	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Party
<b>Social Impact</b>				Responsible
Access	To avoid conflict	1. Inform land owners well in advance before your	Recorded conflict	Site
Access to farms	between farmers and	planned activities		Manager
must be	Huab	2. Ensure access agreement is place		
communicated				
land owners to				
avoid conflict				
Induction	To ensure that all	1. All employees must go through an induction course	Induction Minutes, report	Site
	employees are familiar	for the provision of the EMP.	and Attendance Register	Manager
	with the requirements	2. Staff operating specialised equipment and heavy		
	of the EMP	vehicle must be properly trained		
Employment	Although significant	1. Ensure that all general work is reserved for local	Employees records and	Site
	employment is not	people unless in circumstances where specialized	their nationalities	Manager
	expected, the proponent	skills are required.	Labour unrest over unfair	
	must abide to the	2. Fair compensation and labour practise as per	compensation	
	relevant labour laws	Namibian Labour Laws must be followed		
		3. Ensure skill transfer to the locals		

Environmental /	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Party
Social Impact				Responsible
HIV/AIDS,	To sensitise employees	1. Provide awareness to the employees on danger of	Awareness meeting	Site
Alcohol and	about the danger of	alcohol, (HIV/AIDS) and drug abuse	minutes	Manager
Drug abuse	alcohol, drugs and	2. Provide Condoms at on site		
	HIV/AIDS			
<b>General Safety</b>	To ensure good health	1. Abide by the Occupational Health and Safety and	Induction Minutes	Site
	and safety for the	Labour Act of Namibia and other statutory	Valid driver licenses for	Manager
	employees and public	requirement such as International Labour Practise	heavy vehicles	
		(ILO)	Complain of health issues	
		2. Develop a health and safety plan / policy	by employees	
		3. Ensure that every employee went through an	PPE for all employees	
		induction course about safety;		
		4. Employees must be equipped with all necessary		
		Personal Protective Equipment (PPE). These		
		includes, Helmet, Overall, Safety Shoes, Safety		
		Glasses, Gloves, Earmuff etc;		
		5. During operation, minor accidents are eminent,		
		hence there must be a first aid kit;		
		6. Only qualified and licenced personnel must be		
		allowed to operate machinery and vehicles;		

Environmental /	Objectives	<b>Proposed Mitigation Measures</b>	Monitoring Indicator	Party
<b>Social Impact</b>				Responsible
		<ul> <li>7. No employee must be allowed to be onsite without PPE;</li> <li>8. Adequate safety signs must be displayed on site;</li> <li>9. Unauthorised fire shall not be permitted on site</li> </ul>		
Health	To ensure good health for the employees	<ol> <li>Employees must NOT be exposed to noise levels above the required -85dB (A) limit over a period of 8 hours.</li> <li>Adhere to the Labour act, non-toxic human dust exposure levels may not exceed 5mg/m3 for respiratory dust and 15mg/m3 for total dust.</li> <li>Supply clean drinking water to the site, such as portable water tank;</li> <li>There must be suitable, clean and user-friendly ablution facilities.</li> <li>Ensure that supervisor has gone through occupational health and first aid course,</li> <li>Train employee on hazard and risk avoidance</li> <li>Provide insect repellent, mosquito nets and if necessary immunization to prevent deadly diseases such as malaria</li> </ol>	•	Site Manager

Environmental /	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Party
Social Impact				Responsible
		8. All employees must be in possession of the health		
		certificate and screened for communicable diseases		
		such as TB.		
Visual Impact	To prevent litter / waste	1. Maintain good house keeping	Scattered Litter, Visual	Site
	scattered all over and	2. Trenches, access roads, camping places must be	inspection	Manager
	preserve aesthetic value	rehabilitated and kept clean		
Impact on Flora	To ensure sustainable	1. Mature trees must be avoided to be cut down	Complain and records	Site
	conservation the	2. Do not plant alien trees		Manager
	vegetation	3. Don not harvest firewood		
Impact on Fauna	To ensure protection of	1. Do not kill animals if found on site (unless it is an	Complaints from farmers	Site
	animals especially wild	eminent danger to human life)	and record of poaching	Manager
	animals	2. There must be ZERO tolerance to poaching		
		3. The food must be stored in the closed place in order		
		not to attract baboons		
Conservation of	To prevent exposure of	1. Ensure that drilled holes are properly closed to	Rehabilitated drilled sites	Site
Ground Water	ground water	prevent ground water exposure		Manager
Resource				
Surface and	To prevent water	1. Fueling of heavy vehicle on site must be well	Physical inspection	Site
Ground water	pollution	coordinated at designated places		Manager
pollution		2. Stationary vehicles must be provided with drip tray		

Environmental /	Objectives	<b>Proposed Mitigation Measures</b>	Monitoring Indicator	Party
<b>Social Impact</b>				Responsible
		to capture oil, lubricants and hydraulic fluids		
		leakages		
		3. All vehicle and machinery must be well service to		
		avoid leakages		
		4. Provide and train on oil spill emergency response		
		5. Servicing of vehicles and machinery must take place		
		at designated sites		
Land	To prevent soil erosion	1. Movement of heavy vehicles must be coordinated	Physical inspection	Site
Degradation		and restricted to be on access roads		Manager
Waste	To ensure good	1. Provide Skip bins to collect waste and be disposed of	Waste bins on site	Site
Generation	housekeeping and	at an approved disposal site	Physical inspection	Manager
	prevent littering	2. Do not burry waste on site		
		3. Excavate a small biodegradable waste site that would		
		be dump filled at the end of the project		
		4. Used oil, grease and lubricants cans must be		
		collected in appropriate drums and disposed of at an		
		approved site.		
Noise Impacts	To prevent noise	1. The aircraft must fly at heights which may not cause	Complaints from farmers	Site
	pollution from flying	noise nuisance to animals	and members of public	Manager
	aircraft	2. A fixed wind air craft is recommended than a		

Environmental /	Objectives	<b>Proposed Mitigation Measures</b>	Monitoring Indicator	Party
<b>Social Impact</b>				Responsible
		helicopter		
		3. Confirm flying schedules with farmers, whose		
		operation is tourism related		
Traffic	To ensure coordinated	1. Trucks must be installed with a rotating headlight	Records of public complain	Site
	movement of heavy	beam lights	Visible warning signs	Manager
	vehicles	2. Truck must maintain a low speed to prevent		
		excessive dust and accident		
		3. The roads must be maintained by scrapping and		
		compacting		
		4. Install warming signs where necessary		
Oil Leakages	Manage fuels, oils and	1. Ensure all vehicle are well service and leak	Physical verification and	Management
	lubricants leakages	inspection are done;	routine monitoring	or Site
	from Vehicles and	2. Provide drip trays to stationary vehicle		Manager
	Machinery to prevent	3. Servicing of vehicle must be done at an approved		
	pollution	site;		
		4. Re-fuelling, oil replacement must be done on		
		approved sites;		
Archaeology /	Preserve Heritage	1. Employee must be trained on the possible find of	Sighting report/s of	Management
Heritage		archaeological material in the area;	heritage resources /	or Site
		2. Implement a chance find and steps to be taken when	artefacts	Manager

Environmental /	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Party
Social Impact				Responsible
Resources /		archaeological material finding (Heritage (rock		
Artefacts		painting and drawings), human remains or		
		artefacts) are unearthed		
		Stopping the activity immediately		
		i. Informing the operational manager or		
		supervisor		
		ii. Cordoned of the area with a danger tape and		
		manager to take appropriated pictures.		
		iii. Manager/supervisor must report the finding		
		to the National Museum (+264 61 276800)		
		or the National Forensic Laboratory (+264		
		61 240461).		

### **10.Closure / Decommissioning Plan**

During exploration, evasive processes includes trenching and drilling. Trenching is normally done by hand, they are not deep and they are immediately rehabilitated after sampling. Drilling may necessitate the establishment of access roads to targets site, hence these must be rehabilitated immediately. After geochemical sampling with the drill, the casing must be removed and the drill hole must be properly covered / capped, unless otherwise agreed with the farmers to leave the casing for purpose of making water borehole.

#### 11. Conclusions and Recommendations

#### 1.1. Conclusion

The following are points of consideration;

- The review of the Environmental Management Plan found it to be adequate, practical and efficient towards the improvement of environmental sustainability;
- The ECC is due for renewal in April 2023;
- In accordance to the activities undertaken and consent from farmers affected, there were no red-flags or complaints from farmers about environmental performance;
- With adequate implementation of the EMP, the project is not expected to pose harm to the environment.

#### 1.2. Recommendations

- It is recommended to the approving authority to approve the renewal of the Environmental Clearance Certificate.
- It is further recommended to the approving authority conduct site inspection of site, especially the drilled site and establish cordial relationship with farmers' associations whom are crucial at monitoring the exploration activities in order to ensure compliance to the law and the EMP.

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