

Ministry of Mines and Energy Mining Commissioner	ANNEXURE 1 FOR MS
Form 1 2023 -08- 09	
Received Department of Mines	REPUBLIC OF NAMIBIA ENVIRONMENTAL MANAGEMENT ACT, 2007

(Section 32)

APPLICATION FOR ENVIRONMENTAL CLEARANCE CERTIFICATE



PART A: DETAILS OF APPLICANT

Name : (person or business): **Long Fire Investment (Pty) Ltd**

1. Business Registration / Identity No.: **2022/0626**

2. Correspondence Address: **P O Box 41497, Windhoek, Namibia**

3. Name of Contact Person: **I Nghiishiti**

4. Position of Contact Person: **Environmental Assessment Practitioner**

5. Telephone No.: **(+264) (81) 4685578**

(+264) (85) 785 5538

6. E-mail Address: (if any): **southerngeo13@gmail.com**

7. METF Reference no.: **APP-001800**

Tick () The appropriate box

2. Details of the activity(s) covered by the environmental clearance certificate:

The proponent intends to construct and operate a lithium processing plant on mining claim 73418. The lithium ore to be sourced from mining claims 73409 – 73418 and other mining claims proximal to the project. The 1 million tons/year heavy medium lithium mineral processing project will mainly include: Concentrator raw ore storage yard, crushing and screening, crushed product storage yard, heavy medium separation, product storage yard and other main industrial facilities, laboratory, dressing plant machine repair workshop, diesel generator room, water intake pump room, living dormitory and canteen and other supporting facilities Low-voltage power distribution, electrical transmission, automatic control, electrical lighting, electrical safety, etc. of production auxiliary facilities. During both the construction and operation stages there exist potential environmental impacts that will need to be mitigated to reduce their effect on the receiving environment. The project has the following 3 phases:

- **Construction phase:**
 - ✓ This is the phase when processing plant components/facilities will be built
 - ✓ Mitigation measures are implemented, and the monitoring plan put in place.

- **Operation phase:**
 - ✓ This is the phase when ore processing will be taking place
 - ✓ A lithium concentrate with a grade of 5% will be produced
 - ✓ Mitigation measures are implemented, and the monitoring plan put in place.

- **Decommissioning, site closure and rehabilitation:**
 - ✓ This is the phase when lithium ore has been exhausted and processing operation stop.
 - ✓ Rehabilitation measures will have to put in place during operations and before decommissioning
 - ✓ The closure period will commence once the last planned ore stock pile is processed.

[Note: Please attach plans to show the location and scope of the designated activity(s), and use additional sheets if necessary:

Title of the Activity: Proposed establishment and operations of a lithium processing plant on Mining Claim 73418, Dâures Constituency, Erongo Region

Nature of the activity: Long Fire Investment (Pty) Ltd (proponent), plans to construct and operate 1 million ton per year lithium processing plant in Erongo Region on mining claim 73418 to produce a lithium concentrate with a grate of 5% Li_2O . The processing plant is aimed at producing a

concentrate of Lithium. The processing plant will be located in Erongo Region, approximately 50 km SW of Uis settlement, Dâures constituency, via C35 and D2342 from Uis in western central Namibia. The processing plant will be situated within mining claim 73418. The project area covers state land gazetted as the Tsiseb Conservancy. The GPS coordinates of the processing plant are - 21.473897°, 14.534153°. The lithium ore to be sourced from mining claims 73409 – 73418 and other mining claims proximal to the project.

Location of the activity: The project area is located approximately 50 km southwest of Uis settlement within Okombahe Reserve, Dâures Constituency, Erongo region, Namibia. The total area covered by the mining claims is 174.9056 hectares. GPS coordinate from the center of the Mining claims is 21°28'37.85"S 14°30'53.37"E (-21.477180° 14.514826°). The mining claims are situated on state land, accessed approximately 20km off-road via C35 and D2342 gravel roads.

Scale and scope of the activity: Small scale, project area size is 174.9056 Hectares.

Exploration
1. Initial stages will involve site clearing paving of access roads, upgrading of existing access roads
2. <u>This is the phase where the proponent will be carrying out exploration of target minerals</u>
3. Exploration will involve: Geochemical sampling and analysis, Geophysical surveys, Drilling, Trenching and pitting.
Mining operation
1. The phase when mitigation measures are implemented, and the monitoring plan put in place
2. runs concurrently with the exploration and decommissioning.
3 small scale pen pit mining of lithium from lithium-cesium-tantalum (LTC) pegmatites
Decommissioning, site closure and rehabilitation
1. This is the phase when exploration activities cease as a result of either poor exploration results or loss of market demand for the targeted commodity or depleted ore body.
2. Rehabilitation measures will have to put in place during exploration and before decommissioning.
3. The main aim of rehabilitation is the returning disturbed environment close to its pre exploration/mining state.
4. It involves Remediation of Contaminated Areas, Waste Management, plugging of Boreholes Land reclamation as well as restoration of access roads

PART C: DECLARATION BY APPLICANT

I ME
I hereby certify that the particulars given above are correct and true to the best of my knowledge and belief. I understand the environmental clearance certificate may be suspended or cancelled if any information given above is false, misleading or incomplete.

<u>I ME</u>	I Nghilshiti	Environmental Assessment Practitioner
Signature of Applicant	Full name in block letters	Position

On behalf of Long Fire Investment (Pty) Ltd

I ME
Date

08 August 2023

