

REPUBLIC OF NAMIBIA

MINISTRY OF MINES AND ENERGY

APPLICATION FOR A MINING LICENCE MINERALS (PROSPECTING & MINING) ACT, 1992, SECTION 91 (MINIMUM REQUIREMENT)

Date	05.07.202	22	Informal name	of area	Karibib
For O	ffice Use				
Refere	nce	14/2/5/1/			
Depos	it	N\$			
Receip	ot no.				
Landfo	olio sign				Date stamp
Date					

SECTION A – PARTICULARS OF APPLICANT

(i) Natural person

Full names	NA		
Nationality *		Date of birth	
Telephone		Facsimile	
Residential addr	ess	Postal address	

^{*} Copy of Identification Document or Passport to be attached

(ii) Company *

Full name		Africa Big Rhino (Pty) Ltd				
Registration n	umber	2019/0440	Registratio	on date	2/4/2019	
Mobile Numb	er	+264 81 659 1858	Facsimile		N/A	
Registered add	Registered address			olace of b	usiness	
P O Box 3570			No 34 St. 1	Michael's	s Park	
Windhoek			Avis			
Namibia			Windhoek			
			Namibia			
Directors full	names		Directors i	nationalit	у	
Sara Shimwe-	Oshili Ka	una Iita	Namibian			
Ling She Wor	ng		Chinese			
Ben Xu			Spanish	Spanish		
David Nuyom	ıa		Namibian			
Hui Zhang			Chinese			
Share capital (10000			
% Share **	Full nam	es	Nationality			
5		mwe-Oshili Kauna I	ita	Namibi		
5		e Investments CC		Namibian		
95	Mingjie	Stone Namibia Pty L	∠td	Chinese		
Associated companies			Sta	tus		
N/A						

^{*} Copy of Registration Certificate to be attached ** Holders of more than 5% of shares only

Accredited agent * (iii)

Full Names	Excel Dynamic Solutions			
Telephone	+264 61 259 530	Facsimile	+264 886 560 836	
Postal address		Physical address		
P. O. Box 997154, Maerua Mall		122 Robert Muga Central	abe Av, Windhoek	

^{*} All licence holders not resident in Namibia are required to (a) appoint an accredited agent in writing who (b) must accept the appointment in writing and (c) must be

approved in writing by the Mining Commissioner. Copies of (a), (b) and (c) must be attached. A consultant to a licence holder may not act as accredited agent.

SECTION B – APPLICATION PARTICULARS

Period applied for *	25	Size (Ha)	1787.5945
T think a approve for		5120 (114)	1707107.0

^{*} Maximum 25 years

Minerals Group(s) applied for

1	Base and rare metals		5	Nuclear fuel	
2	Dimension stone	X	6	Precious metals	
3	Industrial minerals		7	Precious stones	
4	Non-nuclear fuel		8	Semi-precious stones	

SECTION C – LOCALITY

(i) Locality *

Map scale	1:	
Magisterial district(s)	Karibib	*D
Region(s)	Erongo	be
Regional division(s)	Karibib	

^{*} Detailed locality plan to be attached

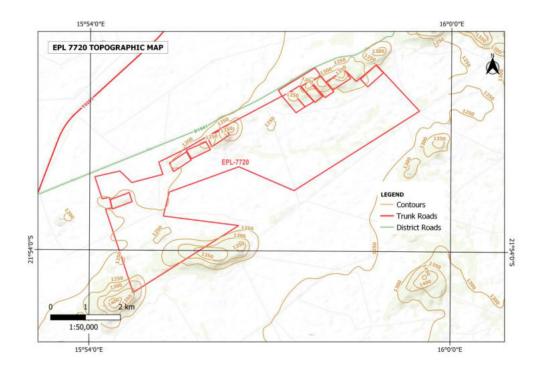
(ii) List of farms covered by area applied for

No	Name	No	Name
46	Farm Okawayo		

(iii) Co-ordinates of area applied for *

Label	Latitude	Longitude	Label	Latitude	Longitude
1	21°52'52.00	15°54'4.96"	13	21°51'49.19	15°59'28.07
	"S	E		"S	"E
2	21°52'46.65	15°54'29.98	14	21°53'3.75"	15°57'23.69
	"S	"E		S	"E
3	21°52'57.30	15°54'41.88	15	21°52'41.84	15°56'28.57
	"S	"E		"S	"E
4	21°52'49.39	15°55'12.87	16	21°53'5.72"	15°55'19.33
	"S	"E		S	"E
5	21°52'37.76	15°55'9.13"	17	21°53'28.15	15°55'13.45
	"S	E		"S	"E

6	21°51'35.92	15°57'11.15	18	21°53'36.58	15°56'28.74
	"S	"E		"S	"E
7	21°51'30.45	15°57'7.47"	19	21°54'39.35	15°54'43.88
	"S	E		"S	"E
8	21°51'9.69"	15°57'43.68	20	21°53'21.98	15°54'15.91
	S	"E		"S	"E
9	21°51'22.68	15°57'54.64	21	21°53'20.83	15°54'22.15
	"S	"E		"S	"E
10	21°51'11.42	15°58'13.42	22	21°53'11.05	15°54'19.59
	"S	"E		"S	"E
11	21°51'21.67	15°58'25.17	23	21°53'12.48	15°54'12.46
	"S	"E		"S	"E
12	21°51'6.09"	15°58'45.04			
	S	"E			



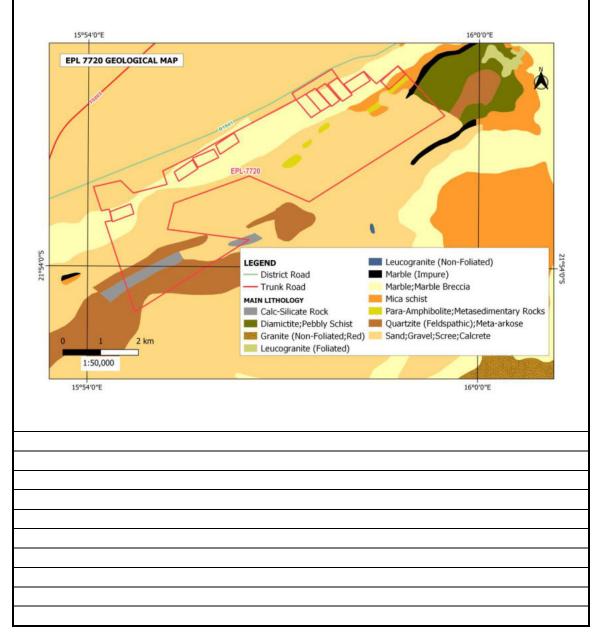
*In degrees/minutes/seconds or decimal degrees, accurate to seven (7) decimal places. GPS readings are not acceptable.

SECTION D – GEOLOGY OF AREA

Detailed geological description *

The project area falls within the Central Zone of the Damara Orogen which underlies most of Namibia. The bulk of the area is underlain by meta-sedimentary rocks of the Swakop Group, comprising the Arandis Formation (biotite schist, minor quartz schist calc-silicate rock and amphibolite), the Karibib Formation (dominantly dolomitic and calcitic marbles), and the overlying Kuiseb Formation (schistose quartz feldspar mica meta-greywacke and meta-pelite). Mining licence application are geology summary:

- The local geology of the proposed ML area comprises lithologies of the Karibib Formation, Chuos Formation, Abbabis Complex and intruded granites of Damaran age.
- o Abbabis Metamorphic Complex made of quartz biotite schists (basement)
- o Damaran Supergroup consisting of metasediments, ortho-amphibolites, markle, quartzite, schists (mica schist, biotite schist, graphitic schist)
- o Various intrusions (gabbros, diorites, granites, pegmatities, and dolerites), and
- o Alluvival and quaternary sediments overly the local hard rock



* Detailed report to be attached

Mineral reserves *

Commodity	Mineral form	Grade	Tonnage
Marble (White and	Blocks	55.5%	63.6 million
Grey)			

^{*} Technical report, including appropriate plans, to be attached.

Summary of exploration during the exploration phase*

Description of exploration methods used		Expenditure
Geological mapping		198,720.00
Geochemical sampling		15,000.00
Geophysical survey		0
Drilling		1.2 million
Geochemical analysis		0.00
Bulk sampling		0
Test mining		500,000.00
	Total	1.913.720.00

^{*} Geotechnical report, in duplicate, as required by Sections 45(1)(f)(i), $\overline{76(1)(e)(i)}$ or 89(1)(d)(i), as applicable, to be attached.

SECTION E – DETAILS OF OTHER MINERAL LICENCES

(i) Other mineral licences, including claims, held in the preceding 10 years *

No	Type	Jointly with	Date issued	Expiry date
7989	EPL		23/03/2021	22/03/2024
7990	EPL		23/03/2021	22/03/2024
7991	EPL		23/03/2021	22/03/2024
7992	EPL		23/03/2021	22/03/2024
7993	EPL		23/03/2021	22/03/2024
7995	EPL		23/03/2021	22/03/2024
7430	EPL		17/02/2020	16/02/2023
7629	EPL		21/11/2019	20/11/2022
7630	EPL		02/06/2020	01/06/2023
7631	EPL		02/06/2020	01/06/2023
7633	EPL		30/10/2019	29/10/2022

7634	EPL	02/06/2020	01/06/2023
7635	EPL	02/06/2020	01/06/2023

SECTION F – ENVIRONMENTAL ASPECTS

(i) Current condition of, and any existing damage to, the environment in the area to which the application relates *

Current Condition: The EPL area has mining active licences around it, and is most probably disturbed by past exploration and mining for dimension stones. Literature and site visit investigations have indicated intermittent production of dimension stones in the vicinity under several mining claims. The EPL has Environmental Clearance Certificate iissued after Environmental studies including reports from an ecology specialist and an archaeologist. Effect of proposed mining work: disturbance of the earth's surface by any from of mining will result in complete removal of existing vegetation and ecosystems within the disturbed area, and dimension stone (mine targeted commodity) mining is no exception. However, dimension stones generally have a low impact on the surrounding environment due to the need to carefully extract large blocks or slabs without damage to the stone. The only environmental disturbance to the area related to exploration and development, would be drilling/earth moving activities as well as during preparation of facilities, equipment, and infrastructure required for extraction of the valuable minerals. The environmental impact of such activities will be responsibly managed by an Environmental Management Plan (EMP) already in place and which include thorough and complete rehabilitation measures of any damaged land. The EMP will be updated to address mining issues once the mining license is granted. Approval of such plan will be sought from the Ministry of Environment, Forestry and Tourism.

(ii) Estimate of effect which proposed mining will have on environment and proposed steps to be taken to prevent or minimise resulting damage *

Rehabilitation: Rehabilitation plan will be included in the Environmental Management Plan (EMP) for the mining licence.

Audit: Environmental audits will be carried out as recommended in the management plan. Due to the negligible impacts on the area an environmental audit is will only be scheduled for production phase.

^{*} Environmental Impact Assessment Report to be attached

^{*} Environmental Management Plan to be attached

ECC - 01704 Serial: DUaRoX1704



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

то

Africa Big Rhino Mining (Pty) Ltd P.O. Box 3570, Windhoek.

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

The Proposed Exploration Activities for Exclusive Prospecting License (EPL) No. 7720 located northeast of Karibib, Erongo Region, Namibia.

Issued on the date:

2021-10-27

Expires on this date:

2024-10-27

(See conditions printed over leaf)

PRIVATE OF THE PRIVAT



This certificate is printed without erasures or alterations

SECTION G - TECHNICAL & FINANCIAL RESOURCES

Personnel

Mine Manager and Director *	Ben Xu	
Mine/Project leader*	Zhang Hui supported by local mining	
	operation leader to be appointed	
Geologist *	Local mining geologist to be appointed	
Plant supervisor *	To be appointed	
Professional staff (number)	More 8(geologists, mine planner,	
	engineers, environmentalist, PR, sales etc)	
Support staff (number)	More 150 (operators, plus general laborers	

^{*} CV to be attached

List of consultants (if applicable) *

Name	Organisation	Expertise
Nerson Tjelos	Excel Dynamic Solutions	Geology
Roland Mushi	Excel Dynamic Solutions	Archeaology
Fredrika Shagama	Excel Dynamic Solutions	Hydrogeology
Mary Barton	Excel Dynamic Solutions	Part-time Resource
		Management Geology
Peter Cunningham	Independent	Ecology
Tony Barbour	Independent	Socio-economic

^{*} Letters of Consent and CV's to be attached

Financial resources available to fund the project *

Initial capital investment of USD 3 million to be made available by mother company
Mingjie Stone Namibia Pty Ltd once the mining licence is approved. Bank letter from
the sister company Africa Big Lion Mining Pty Ltd (which own and run ML 213 and
214) is also attached to this application as a confirmation for financial support available
for the project.

SECTION H – MINING PROGRAM

Envisaged mine development *

Date of commencement of - mine development	October/November 2022
- mining	November/November/December
	2022
- ore treatment	Early 2023
Capacity of production	4500 tonnes
Scale of operations	Large scale (total resource estimate
	63 million tonnes)

^{*} Documents detailing technical viability, mine planning, forecasts of estimated expenditure and financial feasibility studies, with applicable plans, to be attached.

Mining method

Marble stone quarrying sector has some differences compared to other mining sectors. As is well known in the former sector the extractive methods that are employed (i.e., combined drilling-diamond wire cutting and chain saw cutting with limited use of smooth blasting) to produce squared decorative stone blocks of commercial dimensions and prescribed commercial aesthetical quality at a quarry are different from those used in the metallic and industrial minerals extractive sector.

Mining method can be summarised as follows:

- o Horizontal cutting by a diamond wire saw;
- o Vertical stringing hole drilled by a vertical hole drill;
- o Two vertical planes sawed with a diamond wire saw;
- o A cushion layer (made up of the crushed stone and soil formed by a front-end loader on the working bench);
- o Tilting down of the rectangular stone by a hydraulic jack and cushion;
- o Rough blocks cut by a diamond wire saw;
- o Separating and reshaping with a diamond wire saw;
- o Loading of rough blocks by a large capacity fork loader; and

 Cleaning conducted by a front-end loader at the working surface. 	

Ore treatment method
Quality blocks will be stockpiled at dressing yards for further resizing and exporting to international markets.
The Applicant is has bought land valued at more than NAD 1.7 million (proof attached from Karibib Town Council) to construct a processing and value addition facility in Karibib as part of the mine plan.

SECTION I - LIST OF ATTACHMENTS

No	Description		
1	Copy of identification document/passport or company registration certificate		
2	Accredited agent letter of appointment		
3	Detailed locality map		
4	Geological report, including all exploration data generated		
5	Ore reserve calculations		
6	Geotechnical report, in duplicate, as required by Sections 45(1)(f)(i),		
	76(1)(e)(i) or 89(1)(d)(i).		
7	Environmental Impact Assessment Report		
8	Environmental Management Plan		
9	CV's of geotechnical staff		
10	Consultants letters of consent and CV's		
11	Proof of financial resources		
12	Documents detailing technical viability, mine planning, forecasts of estimated		
	expenditure and financial feasibility studies, with applicable plans.		

13	A registered letter of notification to existing licence holders (Section 69(2)(g)(i))
14	Any other supporting document

Compiled by :.Nerson Tjelos

Capacity : Consulting Geologist

Signature :.



REPUBLIC OF NAMIBIA

MINISTRY OF MINES AND ENERGY

APPLICATION FOR A MINING LICENCE

MINERALS (PROSPECTING & MINING) ACT, 1992, SECTION 91 (MINIMUM REQUIREMENT)

Date	05.07.20	.07.2022 Informal name of area Karibib		Karibib
For C	office Use		NA::	
Reference 14/2/5/1/		IVIIIIS	y of Mines and Energy	
Deposit N\$		N\$	MI	ning Commissioner
Recei	pt no.			2000
Landfolio sign				202Dat@stanp
Date				
•			Received	
			De	partment of Mines
SECTION A – PARTICULARS OF APPLICANT				

***	** . *	
(i)	Natural	norcon
111	raturai	Derson

Full names	NA	
Nationality *		Date of birth
Telephone		Facsimile *
Residential address		Postal address
	The second second	

^{*} Copy of Identification Document or Passport to be attached